

INTERNATIONAL INDUSTRIAL FAIR

6.-9.10.2026Brno, Czech Republic

KEY TOPICS

MACHINE TOOLS AND FORMING MACHINES | INDUSTRIAL DIGITALIZATION | ENERGY AND ENERGY INFRASTRUCTURE | INDUSTRIAL TRANSFORMATION | CONNECTING THE DEFENSE AND MACHINERY INDUSTRIES | TRANSPORT AND LOGISTICS | ADDITIVE MANUFACTURING | STARTUPS

















67th International Industrial Fair



14th International Machine Tools Exhibition



20th International Foundry Fair



27th International Welding Engineering Fair



10th International Surface Technology Fair



9th International Plastics, Rubber and Composites Fair



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MINING, METALLURGICAL, CERAMIC AND GLASS ENGINEERING

Minina, bori	ng and dressing equipment	1.2.3.11	Special machines for rolling mills
· ··········g, bor ···	ng and dressing equipment	1.2.3.12	Handling machines for rolling and preparation plants
1.1.1	Machines and instruments for geological prospecting	1.2.3.13	Accessories of rolling and treatment mills
1.1.2	Instruments for geophysical prospecting	1.2.3.14	Auxiliary equipment for rolling mills
1.1.3	Machines and equipment for mining	1.2.3.15	Thin-walled profile production lines
1.1.4	Mining equipment for underground mines	1.2.3.99	Rolling mill and drawing plant equipment – other
	Machines for open-cast mining	1.2.3.99	Notting that and drawing plant equipment – other
1.1.5	•	1.2.4	Equipment for the production of non-ferrous metals
1.1.6	Machines and equipment for coal and ore dressing,	1.2.4	Equipment for the production of non-ferrous metats
	accessories	105	Heat tweetweet of westels
1.1.7	Machines and equipment for crude oil and natural gas	1.2.5	Heat treatment of metals
	exploitation	1.2.5.1	Accessories of equipment for heat treatment of metals
1.1.8	Machines and equipment for stone, sand and clay excavation	1.2.5.2	Hardening technology
1.1.9	Machines for mineral raw material processing	1.2.5.3	Annealing technology
1.1.10	Fuel transport equipment	1.2.5.4	Tempering technology
1.1.11	Storing equipment and tanks for fuels	1.2.5.5	Nitriding technology
1.1.12	Control systems of extraction machines	1.2.5.6	Carburizing technology
1.1.80	Measuring instruments for mining, boring and dressing	1.2.5.99	Heat treatment of metals – other
	equipment		
1.1.87	CAD, CAM, CIM in mining processes and equipment	1.2.6	Industrial furnaces for metal processing
1.1.88	Consultancy in mining processes and equipment	1.2.6.1	Accessories for industrial furnaces
1.1.89	Engineering and design service for metal production	1.2.6.2	Industrial chamber furnaces for metal processing
	and processing	1.2.6.3	Continuous furnaces for metal processing
1.1.90	Service and repairs of mining, dressing and boring	1.2.6.4	Vacuum, crucible, combustion, bell and other furnaces
	equipment	1.2.6.5	Electric furnaces for metal processing
1.1.91	Refurbished mining, boring and dressing equipment		
1.1.92	Technologies for mining processes	1.2.6.6	Gas furnaces for metal processing
1.1.93	Implementation of complete mining, boring and preparation	1.2.6.6.1	Gas burners for metal heat treatment furnaces
1.1.55	equipment plants		
1.1.99	Mining, boring and dressing equipment – other	1.2.6.7	Metal heat treatment equipment including controlled
1.1.55	rinning, but my and dressing equipment – other		atmosphere
1.2.1	Metal production and processing equipment – metallurgical	1.2.6.8	Vacuum furnaces for metal processing
1.2.1		1.2.6.9	Melting furnaces for metal processing
	equipment	1.2.6.10	Soldering furnaces
1011	Pig iron production	1.2.6.11	Plasma furnaces for metal processing
1.2.1.1	Accessories of pig iron production equipment	1.2.6.12	Fireclay brick formpieces for industrial furnaces
1.2.1.2	Blast furnaces	1.2.6.99	Furnaces and equipment for metal processing – other
1.2.1.3	Gas cleaning equipment		
1.2.1.4	Auxiliary equipment for blast furnaces	1.2.7	Induction heating equipment for metals
1.2.1.5	Coking plant equipment	1.2.7.1	High frequency generators for induction heating
1.2.1.6	Linings and refractory material for metallurgical production		mg. mequency generators for madestor meaning
1.2.1.7	Slag products	1.2.95	Heat treatment of metal components to order
1.2.1.99	Machines and equipment for pig iron production – other	1.2.75	reat deathers of metal components to order
		1.2.99	Metal production and processing equipment – other
1.2.2	Steel works equipment	1.2.55	rictal production and processing equipment office
1.2.2.1	Steel production equipment, furnaces, converters	Machines an	nd equipment for the ceramic and glass industries
1.2.2.2	Converter steel works	riacililes all	id equipment for the cerainic and glass industries
1.2.2.3	Continuous casting steel works	1.3.1	Hot processing technologies
1.2.2.4	Automatic lines for casting production		
1.2.2.5	Electric steel production equipment	1.3.1.1	Components and accessories of drying equipment
1.2.2.6	Additives and alloying additions	4 2 4 2	for the ceramic and glass industries
1.2.2.7	Special ceramics for continuous steel casting	1.3.1.2	Firing kilns
	,	1.3.1.3	Firing tools
1.2.2.8	Scrap treatment and processing equipment	1.3.1.4	Kiln burners and heating systems
1.2.2.8.1	Hydraulic shears for scrap processing	1.3.1.5	Kiln carriages and transport systems
	3	1.3.1.6	Refractory materials
1.2.2.9	Auxiliary equipment for steel works	1.3.1.7	Monitoring and control instruments for firing technologies
1.2.2.9	Steel works equipment – other	1.3.1.8	Technical equipment for the neutralization of environmentally
1.2.2.99	Steet works equipment – other		undesirable substances
1 2 2	Delling will and drawing plant againment	1.3.1.9	Machines for hot processing technologies – other
1.2.3	Rolling mill and drawing plant equipment		
1 2 2 1	Hot rolling mills	1.3.2	Technologies for the ceramic industry – other
1.2.3.1	Hot rolling mills	1.3.2.1	Raw material dressing in the ceramic industry
	0.11 112 111	1.3.2.2	Mass preparation in the ceramic industry
1.2.3.2	Cold rolling mills	1.3.2.3	Technology for mass moulding in the ceramic industry
1.2.3.2.1	Rolls for cold rolling	1.3.2.4	Handling and transport technologies in the ceramic industry
		1.3.2.5	Surface treatment of ceramic industry products
1.2.3.3	Blooming mills	1.3.2.6	Machines and equipment for the processing of ceramics
1.2.3.4	Rolling mill drives	1.3.2.7	Saws and grinding, milling and drilling machines for ceramics
1.2.3.5	Conveyers for rolling mills	1.3.2.8	Materials for the production of moulds in the ceramic industry
1.2.3.6	Separating and cutting machines for metallurgical production	1.3.2.0	
1.2.3.7	Tube rolling and drawing mills	1.3.3	Machines and equipment for the glass industry
1.2.3.8	Tube treatment machines and tube insulation	1.3.3.1	Hot processing technologies – glass melting
1.2.3.9	Wire-drawing machines for rolling and drawing mills	1.3.3.1	Burner systems for the glass industry
1.2.3.10	Spooling equipment for rolling and drawing mills		· · · · · · · · · · · · · · · · · · ·
		1.3.3.3	Glass moulding

MINING, METALLURGICAL, CERAMIC AND GLASS ENGINEERING



1.3.3.4	Glass cooling technology
1.3.3.5	Special equipment and materials for the glass industry
1.3.3.6	Technologies for the glass industry – other
1.3.87	CAD, CAM, CIM for the glass and ceramic production
1.3.99	Machines and equipment for the ceramic and glass industry – other
1.4	Machines and equipment for powder metalluray technologie



MATERIALS AND COMPONENTS FOR MECHANICAL ENGINEERING

Metallurgical	semi-products and products of metals	2.1.10	Steel wires
		2.1.10.1	Corrosion-proof wires
2.1.1	Basic metallurgical semi-products		
2.1.1.1	Ingots	2.1.11	Rails
2.1.1.2	Billets		
2.1.1.3	Blooms, slabs	Forgings, pro	essed parts
2.1.1.4	Continuous casts	2.2.1	Pressed, drawn and stamped parts
2.1.1.5	Slag		
	•	2.2.2	Open die forgings
2.1.2	Hot rolled steel	2.2.2.1	Open die forgings of steel
2.1.2.1	Hot extruded steel	2.2.2.2	Open die forgings of non-ferrous metals
2.1.2.2	Bar steels and profiles		open ale longings of non-leneus metals
	but seeds and profites	2.2.3	Drop forgings
2.1.3	Steel sheets	2.2.3.1	Drop forgings of steel
2.1.3.1	Hot rolled sheets	2.2.3.2	Drop forgings of steet Drop forgings of non-ferrous metals
	Cold rolled sheets	2.2.3.2	brop lorgings or non-terrous metals
2.1.3.2	Zinc-coated steel sheets	227	Umant minana
2.1.3.3		2.2.4	Upset pieces
2.1.3.4	Tinned steel sheets	2.2.5	Extruded pieces
2.1.3.5	Sheets, sections and strips of corrosion-proof steels		
2.1.3.6	Abrasion-resistant sheet metal	2.2.6	Metal pressed pieces
2.1.3.7	High-strength sheet metal	2.2.6.1	Cold pressed parts of sheet
2.1.3.8	Surface finished steel sheets	2.2.6.2	Hot pressed parts of sheet
2.1.3.9	Perforated steel sheets		
2.1.3.10	Bands, strips	2.2.99	Forgings, pressed parts – other
2.1.3.11	Profiled sheets and strips		
2.1.3.12	Isotropic sheets and strips for electric engineering	2.4	Metal workpieces
2.1.3.13	Anisotropic sheets and strips for electric engineering	2.4.1	Fine metal workpieces
2.1.3.14	Steel foils	2.4.2	Turned, milled, drilled and threaded components
2.1.3.99	Steel sheets – other		tarried, militar, arried and arried according to the
2.1.3.33	Steet sheets other	2.5	Special elements – metal semi-products
2.1.4	Steel pipes, tubes, elbows, closed sections	2.5	Special elements – metal semi-products
2.1.4	Steet pipes, tubes, etbows, closed sections	Non forrous	motals and somi products of non-formus motals
0.4.4.4	Complemental taken and pines		metals and semi-products of non-ferrous metals
2.1.4.1	Seamless steel tubes and pipes	2.6.1	Non-ferrous metals and alloys
2.1.4.1.1	Seamless corrosion-proof tubes and pipes		
		2.6.2	Semi-products of non-ferrous metals
2.1.4.2	Welded steel tubes and pipes	2.6.2.1	Semi-products of aluminium and aluminium alloys
2.1.4.2.1	Welded corrosion-proof tubes and pipes	2.6.2.1.1	Aluminium sheets, strips
		2.6.2.1.2	Aluminium foils
2.1.4.3	Centrifugally cast tubes and pipes	2.6.2.1.3	Aluminium pipes and rods
2.1.4.4	Thick-walled steel tubes and pipes	2.6.2.1.4	Aluminium wires
	• •	2.6.2.1.5	Aluminium sections
2.1.4.5	Thin-walled steel tubes and pipes	2.6.2.1.6	Aluminium foam
2.1.4.5.1	Precision thin-walled steel welded tubes and pipes	2.6.2.1.7	Aluminium bodies for central heating
2.1.4.5.2	Thin-walled corrosion-proof tubes	2.0.2.1.7	Administration bodies for central reading
2.1.4.3.2	min-watted corrosion-proof tubes	2.6.2.2	Sheets, rods, tubes and wires of copper
2.1.4.6	Surface finished tubes	2.6.2.3	Sheets, rods, tubes and wires of topper
2.1.4.7	Tube sleeves, couplings, elbows	2.6.2.4	Semi-products of bronze
2.1.4.99	Steel tubes and pipes – other	2.6.2.5	Semi-products of titanium
		2.6.2.6	Semi-products of nickel alloys
2.1.5	Cold rolled steel	2.6.2.7	Semi-products of magnesium alloys
2.1.5.1	Cold extruded steel	2.6.2.8	Semi-products of lead alloys
2.1.5.2	Cold profiled steel	2.6.2.9	Semi-products of precious metals alloys
2.1.6	Drawn steels	2.6.3	Thermal bimetals
2.1.6.1	Cold drawn steel		
2.1.6.2	Hot drawn steel	2.6.99	Non-ferrous metals and semi-products of non-ferrous
			metals – other
2.1.7	Forged steels		
	1 orgen steets	2.7	Metal powders and powder metallurgy products
2.1.8	High-grade steels	L.,	car powacis and powder metaturgy products
		2.0	Due directe of statement combittee
2.1.8.1	Tool steels	2.8	Products of sintered carbides
2.1.8.2	High-speed steels	2.8.1	Sinter pressed pieces
2.1.8.3	Refractory steels		
2.1.8.4	Corrosion-proof steels	Some metal	elements and components for mechanical engineering
2.1.8.5	High-alloy steels		
		2.9.1	Connecting materials
2.1.8.6	Special steels	2.9.1.1	Screws
2.1.8.6.1	Steels for low temperatures		
		2.9.1.2	Nuts
2.1.9	Peeled steel	2.9.1.2.1	Pressing and riveting nuts
		2.9.1.3	Washers





2.9.1.4	Retaining rings	2.9.11.3	Armoured hose sets for product transport
2.9.1.5	Screws		
2.9.1.6	Rivets	2.9.12	Chains
2.9.1.7	Bolts	2.9.13	Disk and other wheels
2.9.1.8	Clips	2.9.14	Piston rings
2.9.1.99	Connecting materials – other	2.9.15	Distance rings
		2.9.16	Pins
2.9.2	Forgings	2.9.17	Draw bars
2.9.3	Clamps / grips	2.9.18	Connecting rods
2.9.3	Clamps / grips		5
		2.9.19	Crankshafts
2.9.4	Springs		
2.9.4.1	Coiled springs	2.9.20	Absorbers
2.9.4.2	Telescopic springs	2.9.20.1	Hydraulic absorbers
2.9.4.3	Gas cylinders		•
2.9.4.4	Polyurethane springs	2.9.99	Metal elements and components of general use – other
2.3.4.4	i otyurethane springs	2.3.33	rietat etements and components of general use - other
0.05	E 11 11	6 1	
2.9.5	Expanded metal	Seals	
2.9.6	Gas struts	2.13.1	Metal seals
2.9.7	Wire products	2.13.2	Plastic seals
2.9.7.1	Wire nettings	2.13.2.1	Polymer-type sealing systems
	•	2.13.2.1	1 otymer-type seating systems
2.9.7.2	Steel ropes		D.11
		2.13.3	Rubber seals
2.9.7.3	Wire nets	2.13.4	Cork seals
2.9.7.3.1	Welded mesh / nets	2.13.5	Asbestos seals
	,	2.13.6	Asbestos-free seals
2.9.7.4	Wire fabrics	2.13.0	Abbestes free seats
		2 12 7	Cuambita acala
2.9.7.5	Bent wire components	2.13.7	Graphite seals
2.9.7.6	Brushes with steel wires	2.13.7.1	Graphite films and boards for sealing technology
2.9.7.99	Wire products – other		
		2.13.8	Shaped seals
2.9.8	Steel structures	2.13.9	Self-adhesive seals
2.9.8.1	Components and structures (sub-supplies)		Shaft seal rings
		2.13.10	g .
2.9.8.2	Heavy structures (sub-supplies)	2.13.11	Flange seals
		2.13.12	Flat seals with metal reinforcements
2.9.8.3	Welded structures	2.13.13	Bearing seals
2.9.8.3.1	Welded pieces		J
2.5.0.5.1	wetaca preces	2.13.14	Rotary seals
0001	D 1		•
2.9.8.4	Poles	2.13.14.1	Seals for rotary shafts
2.9.8.4.1	Lighting towers		
		2.13.15	0-rings
2.9.8.5	Steel structures for waterworks (weirs, lock chambers)	2.13.16	Seal strips Seal strips
2.9.8.6	Railway, road and pipeline steel bridges	2.13.17	Sealing cords
2.9.8.7	Steel containers, silos	2.13.18	Sealing sleeves
2.9.8.8	Steel gates, doors, barriers	2.13.19	Universal sealing systems
2.9.8.9	Steel pallets	2.13.99	Seals – other
2.9.8.10	Hot galvanized steel structures		
2.9.8.11	Assembly of steel structures	Glass and glas	s products
2.9.8.99	Steel structures – other	2.14.1	Technical glass
2.510.55		2.14.2	Optical glass, prisms, lenses
	T. 1. 1.		
2.9.9	Tube structures	2.14.3	Illumination glass
2.9.9.1	Metal pipelines and tubes	2.14.4	Glass tubes
2.9.9.2	Fittings	2.14.5	Glass components for industry
2.9.9.2.1	Fittings for joining by pressing in		
	J. J	2.14.6	Glass fibres
2.9.9.3	Flanges for tube structures	2.14.6.1	Glass fibre products
	3	2.14.0.1	diass fibre products
2.9.9.4	Coils, corrugated pipes		
2.9.9.99	Tube products – other	2.14.99	Glass products – other
2.9.10	Apparatus, vessels, tanks	2.15	Porcelain and technical ceramics
2.9.10.1	Steel bottles	2.15.1	Engineering ceramics
		2.15.2	Cutting ceramics
20102	Draceura annaratus and vessels		
2.9.10.2	Pressure apparatus and vessels	2.15.3	Fibre-reinforced industrial ceramics
2.9.10.2.1	Pressure apparatuses and vessels	2.15.4	Ceramic fibres
2.9.10.2.2	Valves for pressure vessel safety	2.15.5	Ceramics for electronic components
		2.15.6	Ceramic components
2.9.10.3	Non-pressure apparatuses and vessels	2.15.7	Porcelain components
	·		Technical ceramics – other
2.9.10.4	Storage tanks	2.15.99	recimical cerannos – ouner
2.9.11	Metal hoses	2.16	Carbon components
2.9.11.1	Connecting and fixing elements of metal hoses		
2.9.11.2	Flexible hoses of high-grade steel		
	5 5		



MATERIALS AND COMPONENTS FOR MECHANICAL ENGINEERING

2.18	Technical fabrics	2.41.4.5	High-speed gearboxes
2.18.1	Fabric dilatation compensators	2.41.4.6	Gearboxes with stepless gear change
	· · · · · · · · · · · · · · · · · · ·	2.41.4.7	High performance gearboxes
2.19	Ebonite products and semi-products	2.41.4.8	Gearboxes for lifting equipment
2.20	Paper products for industrial use	2.41.4.99	Mechanical gearboxes – other
2.21	Crustal based products	2.41.5	Combined mechanical gearboves
	Crystal-based products		Combined mechanical gearboxes
2.21.1	Sapphire products and semi-products	2.41.6	Hydraulic gearboxes
		2.41.7	Variable speed gearboxes
2.22	Permanent magnets	2.41.8	Automatic gearboxes
		2.41.9	Turbogears
2.23	Marking devices for lettering and marking	2.41.10	Cam transmission mechanisms
2.23.1	Self-adhesive materials	2.41.11	Special gearboxes
2.23.2	Marking of industrial components by imprinting	2.41.99	Gears – other
2.23.2	Marking of industrial components by imprinting	2.41.99	dears – other
2.24	Face labels	Clutches	
2.24.1	Aluminium, anodized and photolayer face labels	2.42.1	Components for clutches
	, •		
2.24.2	Enamelled sheet metal plates and labels	2.42.2	Rigid clutches
		2.42.3	Flexible clutches
2.25	Covers, closures	2.42.4	Friction clutches
2.25.1	Folded covering bellows	2.42.5	Centrifugal clutches
2.25.2	Telescopic quards	2.42.6	Safety clutches
2.25.3	Roller guards	2.42.7	Controlled overload clutches
L.L.J.J	notter gauras	2.42.8	Starting couplings
2.26	Madular anatoma for the manufacture of simula mumans		
2.26	Modular systems for the manufacture of single-purpose	2.42.9	Idling couplings
	machines	2.42.10	Claw couplings
2.26.1	Cabins for machine operation	2.42.11	Hydraulic clutches and accessories
		2.42.12	Electromagnetic clutches
2.27	Work protection aids for industrial use	2.42.13	Shaft couplings
2.28	Textile cleaning agents	2.42.14	Turboclutches
2.20	lextite cleaning agents	2.42.15	Pneumatic clutches
0.00	W 1 1		
2.29	Workshop equipment, industrial furniture	2.42.99	Clutches – other
2.29.1	Vaults		
2.29.2	Workbenches	Brakes and b	orake systems
2.29.3	Metal kit boxes	2.43.1	Brake accessories
2.29.4	Mats for industrial operation	2.43.2	Disk brakes
2.29.5	Ergonomic work chairs	2.43.3	Multi-plate brakes
2.29.3	Ligotioniic work chairs	2.43.4	Drum brakes
0.00	M C . C		
2.30	Manufacture of prototypes, model design	2.43.5	Spring brakes
	(Rapid Prototyping)	2.43.6	Hydraulic brakes
2.30.1	Prototype production by means of stereolitography	2.43.7	Magnetic brakes
2.30.2	Prototype production by means of casting in silicon moulds	2.43.8	Eddy-current brakes
2.30.3	3D printers for prototyping	2.43.9	Safety brakes
	F	2.43.10	Electromagnetic brakes
Sliding and a	ntifriction bearings and their accessories	2.43.11	Brake systems
Stiuring ariu a	ittii ittioii bearings and their accessories		•
0.70.4	C	2.43.99	Brakes – other
2.40.1	Components and accessories of antifriction	2//	Final dutus and assessmine
2.40.1.1	bearings Bearing bodies	2.44	Final drives and accessories
2.40.1.1	bearing bodies	Lubrication	technology
2 (0 2	Cinternal alide bearings		
2.40.2	Sintered slide bearings	2.45.1	Lubrication devices
2.40.3	Ball bearings	2.45.2	Components for lubrication devices
2.40.4	Roller bearings	2.45.3	Central lubrication technology
2.40.5	Needle bearings	2.45.4	Filters for lubrication technology
2.40.6	Joint bearings	2.45.99	Lubrication technology – other
2.40.7	Tapered roller bearings		33
2.40.8	Antifriction spherical-roller bearings	2.87	CAD, CAM, CIM for bearings and gears
2.40.9	Sliding bearings	2.88	Consultancy for bearings and gears
2.40.10	Self-lubricating bearings	2.89	Engineering and design services in the field
2.40.11	Special bearings		of production of bearings and gears
2.40.12	Bearing lubrication devices		
2.40.99	Bearings – other	2.90	Service and repairs of bearings and gears
	J	2.90.1	Diagnostics of bearings and gears
Gazre		2.90.2	Spare parts for bearings and gears
Gears	Common and a few manua		
2.41.1	Components for gears	2.90.3	Reconstruction and refurbishment of bearings,
2.41.2	Gear wheels for gearings		gears and couplings
2.41.3	Gear rods – ridges		
		2.91	Assembly of machines and equipment
Mechanical ge	earboxes	2.92	Engineering of the assembly, servicing and repairs
2.41.4.1	Gearboxes with spur gear wheels		of technological equipment
2.41.4.2	Gearboxes with bevel gear wheels		
		2.00	Materials and some anaths for
2.41.4.3	Worm gearboxes	2.99	Materials and components for mechanical
2.41.4.4	Epicyclic gearboxes		engineering – other

DRIVES, HYDRAULICS AND PNEUMATICS, COOLING TECHNOLOGY AND AIR-CONDITIONING



Drives		3.10.11.4	Hydraulic hose terminals
3.1.1	Converters for drives	3.10.12	Hydraulic flow distributors
240	But the transfer of	3.10.13	Hydraulic filters
3.1.2	Rotational electric motors	3.10.14	Pumps for hydraulics
3.1.2.1	Electric motors with integrated gear box	3.10.15	Hydraulic fans
		3.10.16	Pressure gauges for hydraulics
3.1.3	Stepping motors	3.10.17	Hydraulic control systems
3.1.4	Linear motors	3.10.18	Tests of hydraulic elements
3.1.5	Hydraulic devices for drives	3.10.19	Educational systems for hydraulics
3.1.6	Pneumatic equipment for drives	3.10.20	Hydraulic and telescopic cylinders
3.1.0	Fileumatic equipment for unives		, ,
		3.10.21	Hydraulics – proportional technology
3.2	Linear moving units	3.10.22	Manufacture of hydraulic sets and systems on request
		3.10.99	Hydraulic elements – other
3.2.1	Linear drives and feeds		
3.2.1.1	Linear guides	3.15	Fans and compressors for air-condition equipment
3.2.1.2	Ball screws		, , , , , , , , , , , , , , , , , , , ,
3121212	244.56.67.5	Compressors a	nd industrial vacuum pumps
3.3	Adjustable systems	compressors	na maasa tat vacaam pamps
3.3	Aujustable systems	2 20 1	Components for compressors and vacuum numps
		3.20.1	Components for compressors and vacuum pumps
Belt and chain	drives	3.20.2	Piston compressors
		3.20.3	Rotary compressors
3.4.1	Accessories of belt and chain drives		
3.4.1.1	Pulley blocks	3.20.4	Screw compressors
3.4.1.2	Indented belts	3.20.4.1	Oil-lubricated screw compressors
3.4.1.3	V-belts	3.20.4.2	Oil-free screw compressors
3.4.1.4	Flat belts	3.20.5	Diaphragm compressors
		3.20.6	High-pressure compressors
3.4.1.5	Driving chains	3.20.7	Turbo-compressors
3.4.1.5.1	Roller chains	3.20.8	Mobile compressors
3.4.1.5.2	Sleeve-type chains	3.20.9	Compressors for cooling equipment
	2F-1-1-1	3.20.10	Oil-free air compressors
3.4.1.6	Chain wheels	3.20.11	Lubricated air compressors
3.4.1.0	Citalli wifeets		
		3.20.12	Compressors for technical gases
3.5	Shafts for drives	3.20.13	Industrial vacuum pumps
		3.20.14	Booster compressors
3.5.1	Propeller shaft	3.20.15	Hydro-pneumatic accumulators
3.5.1.1	Cardan joints	3.20.16	Blowers
3.5.1.2	Homokinetic joints	3.20.17	Equipment for the drying, treatment and filtration
3.3.1.2	nomokinede jomes		of compressed gas
2.5.0	Florible de A	3.20.18	Condensate cleaners for oil compressors
3.5.2	Flexible shafts	3.20.19	Control devices for compressors
		3.20.99	Compressors and industrial vacuum pumps – other
3.6	High frequency spindles	3120133	compressors and massinal racadam pamps
		Pneumatic ele	ments
Hydraulic elem	nents and systems		
•		3.21.1	Components for pneumatic elements and devices
3.10.1	Components of hydraulis alaments	3.21.2	Pneumatic motors
	Components of hydraulic elements	3.21.3	Air pressure and flow control elements
3.10.1.1	Hydraulic valves	3.21.4	Pneumatic pressure valves
3.10.1.2	Seals for hydraulics	3.21.5	Pneumatic closing valves
3.10.1.3	Connecting elements for hydraulics	3.21.6	Pneumatic flow valves
3.10.1.4	Hydraulic heads		
		3.21.7	Rapid vent valves
3.10.2	Hydraulic generators	3.21.8	Pneumatic safety valves
311012	Tryurautic generators	3.21.9	Pneumatic control, throttle valves
2402	H 1 P 1	3.21.10	Pneumatic special valves
3.10.3	Hydraulic motors	3.21.11	Pneumatic working units
3.10.3.1	High-torque low-speed hydraulic motors	3.21.12	Pressure converters
3.10.3.2	Hydrodynamic torque converters	3.21.13	Air treatment devices
3.10.3.3	Hydrodynamic couplings		
3.10.3.4	Hydrodynamic retarders	3.21.14	Pneumatic distributors
	· ,	3.21.15	Pneumatic cleaners and separators
2 10 /	Hydraulic turbinos	3.21.16	Pneumatic filters
3.10.4	Hydraulic turbines	3.21.17	Pneumatic gearboxes
3.10.5	Hydraulic sets	3.21.18	Pneumatic clutches
3.10.6	Hydrostatic gearboxes	3.21.19	Pneumatic control systems
3.10.7	Hydraulic clutches	3.21.20	Pneumatic cylinders
3.10.8	Hydraulic control elements		
3.10.9	Hydraulic pressure switches	3.21.21	Micro-pneumatic components and systems
3.10.10	Hydraulic liquid tanks	3.21.99	Pneumatic elements – other
5.10.10	riyaraado diquid diriks		
24044	Hadaa Rahaa ahaa ah	Cooling and fr	eezing equipment for industry
3.10.11	Hydraulic hoses with union nuts	3.22.1	Small cooling machines and equipment
3.10.11.1	Low-pressure hydraulic hoses	3.22.2	Freezing equipment for skating rings
3.10.11.2	High-pressure hydraulic hoses	3.22.3	Flake ice machines
3.10.11.3	Hose clamps for hydraulics		
	•	3.22.4	Special cooling and freezing equipment



DRIVES, HYDRAULICS AND PNEUMATICS, COOLING TECHNOLOGY AND AIR-CONDITIONING

3.22.5	Industrial fluid coolers	3.32	Jets, nozzles
3.22.6	Evaporating condensers	3.32.1	Air nozzles
3.22.7	Cooling towers	3.32.2	Nozzles for liquids
3.22.8	Control and regulation instruments for cooling equipment	3.32.3	Low pressure jets
3.22.9	Components and accessories of cooling equipment	3.32.4	High pressure jets
3.22.99	Cooling and freezing equipment for industry – other	3.36.4	riigii pressure jees
3.22.33	cooling and receing equipment for madsary other	Pumps	
3.23	Driers	3.40.1	Components and accessories for pumps
3.23	Difeis	3.40.2	Pumps for nuclear power engineering
Industrial fit	Hinas		Pumps for classical power engineering
Industrial fit	utiligs	3.40.3	, , , , , , ,
2 20 4	Commence and a construction for GH1.	3.40.4	Pumps for high pressures and temperatures
3.30.1	Components and accessories for fittings	2 (2 5	D ()
		3.40.5	Pumps for chemical engineering
3.30.1.1	Actuators for fittings and valves	3.40.5.1	Pumps for acids and lyes
3.30.1.1.1	Electric actuators for fittings and valves	3.40.5.2	Petrochemical pumps
3.30.1.1.2	Pneumatic actuators for fittings and valves	3.40.5.3	Pumps for flammable and explosive materials
3.30.1.1.3	Hydraulic actuators for fittings and valves	3.40.5.4	Ammonia pumps for cooling circuits
3.30.1.1.4	Manual actuators for fittings and valves		
		3.40.6	Pumps for the food industry
3.30.1.2	Hardware and software for the control of fittings	3.40.6.1	Pumps for thin flowing materials
		3.40.6.2	Pumps for sugar factories
3.30.2	Hydraulic valves		
3.30.3	Closing and check valves	3.40.7	Pumps for mines
3.30.4	Safety valves	3.40.8	Sludge pumps
3.30.5	Control valves	3.40.9	Pumps for mechanical engineering
3.30.6	Pressure reducing valves	3.40.10	Pumps for water management
3.30.7	Control servovalves	3.40.11	Drainage pumps
3.30.8	Electromagnetic valves	3.40.12	Waste water pumps
3.30.9	Thermostatic valves	3.40.13	Waste water pumping cranes
3.30.10	Ball cocks	3.40.14	Pumps for agriculture
3.30.11	Cocks – other	3.40.15	Irrigation technology
3.30.12	Gate valves	3.40.16	Potable water pumps
			· · · · · · · · · · · · · · · · · · ·
3.30.13	Flaps	3.40.17	Industrial pumps
3.30.13.1	Non-return flap valves	3.40.17.1	Pumps for the textile industry
3.30.13.2	Closing flaps	3.40.17.2	Pumps for cement production
3.30.13.3	Control flaps	3.40.17.3	Pumps for the paper industry
3.30.13.3	control naps	3.40.17.4	Oil pumps for industrial equipment
3.30.14	Fittings for the chemical industry	3.40.17.4	on pumps for industrial equipment
3.30.15	Fittings for power engineering	3.40.18	Pumps for small-scale consumers
3.30.15	Fittings for vacuum technology	3.40.18.1	Plastic pumps
3.30.17	Fittings for vacuum technology Fittings for aggressive materials	3.40.18.2	Hose pumps
		3.40.18.3	Manual pumps
3.30.18	Fittings for abrasive materials	3.40.18.4	Barrel pumps
3.30.19	Fittings for flammable and explosive materials Fittings for thin flowing materials	3.40.10.4	barret pumps
3.30.20		3.40.19	High-pressure pumps
3.30.21	Fittings for waste and sludge water	3.40.20	Pumps for solid materials
3.30.22	Fittings for long distance water distributions	3.40.21	Pumps for abrasive materials
3.30.23	Plastic fittings	3.40.22	Pumps for fluid gases
3.30.24	Plastic coated fittings	J.40.22	rumps for rula gases
3.30.25	Corrosion-proof fittings	3.40.23	Submersible pumps
3.30.26	Coaxial fittings	3.40.23.1	Submersible pumps for borings
3.30.27	Mixing fittings	5	
3.30.28	Special fittings	3.40.24	Controlled volume pumps
3.30.99	Industrial fittings – other	3.40.25	Self-priming pumps
		3.40.26	Heating-system pumps
Industrial pi	pelines, tanks	3.40.99	Pumps – other
		51 10155	- amps - cane.
3.31.1	Components for pipelines	3.50	Diluting devices
3.31.1.1	Flanges		- ······· 3
3.31.1.2	Shaped pieces	3.77	CAD, CAM, CIM for drives, hydraulics, air-conditioning
3.31.1.3	Elbows		and compressor technology
3.31.1.4	T-pieces	3.78	Consultancy on drives, hydraulics, air-conditioning
3.31.1.5	Blinders	- · · · -	and compressor technology
		3.79	Engineering and design of drives, hydraulics,
3.31.2	Shock absorbers for pipelines	-	air-conditioning and compression technology
3.31.3	Pipeline seating and suspensions		and desired and desired additionally
3.31.4	Centre drilling and ballooning sets for pipelines	3.80	Service and repairs of drives, hydraulics, compressor
3.31.5	Chemical and physical effect resistant lined pipelines	3.00	technology, air-conditioning and cooling devices
3.31.6	Pipelines with continual indication of leakage	3.80.1	Refurbished drives, hydraulic systems, HVAC and cooling units,
-	of transported materials	5.00.1	driers
3.31.7	Cisterns	3.80.2	Spare parts of drives, hydraulics for air-conditioning
**		J.00.L	and compressor equipment
			and compressor equipment

DRIVES, HYDRAULICS AND PNEUMATICS, COOLING TECHNOLOGY AND AIR-CONDITIONING



3.80.3	Reconstruction and upgrading of drives, air-conditioning and compressor equipment hydraulics
3.81	Re-worked drives, hydraulic systems, HVAC and cooling units, driers
3.82	Technology for drives, hydraulics, air-conditioning, cooling equipment and driers
3.83	Implementation of complete air conditioning, cooling equipment and driers plants
3.90	CAD, CAM, CIM for fittings, pumps, water management and irrigation technology
3.99	Water management equipment and irrigation technology – other



POWER ENGINEERING AND HEAVY-CURRENT ELECTRICAL ENGINEERING

Conventional	l and nuclear power engineering, heating plants	6.7.3	Petrol engines
	, 3 3, 31	6.7.4	Double-fuel motors
Primary sour	ces for the power industry	6.7.5	Gas engines
6.1.1	Brown coal	6.7.99	Combustion engines – other
6.1.2	Bituminous coal	011.133	compassion engines cane.
6.1.3	Briquettes	6.8	Electric power sets (motor-generator back-up sources)
6.1.4	Coke	0.0	Electric power sets (motor generator back up sources)
6.1.5	Natural gas	6.9	Equipment for utilization of thermal power from thermal engines
	Fuel oils	0.9	and turbines
6.1.6		6.0.1	
6.1.7	Fuel cells for nuclear power plants	6.9.1	Cogeneration units
6.1.99	Primary sources for the power industry – other	6.40	
		6.10	Information and control technologies for the power industry
	ilers and their accessories		
6.2.1	Components and accessories of industrial boilers	6.11	Equipment for sulphur and NOx reduction in flue gases
6.2.2	Industrial boilers	6.12	Auxiliary power plant equipment
6.2.3	Industrial steam boilers	6.13	Water treatment plants in power stations
6.2.4	Steam generators	6.14	Steam turbine condensers
6.2.5	Tanks and pipelines for industrial boilers	6.15	Steam condensate separators
6.2.6	Boiler burners	6.16	Equipment for electrical power distribution
Equipment fo	or heat energy generation	6.17	Gas industry equipment
6.3.1	Components of equipment for heat energy generation	6.17.1	Gas regulating, measuring and safety fittings
	1 1 1 33 3	6.17.2	Compressors and turbo-compressors designed for natural gas
6.3.2	Furnaces		treatment and gas distribution systems
6.3.2.1	Grate furnaces	6.17.3	Gas regulation station
6.3.2.2	Dry pulverized coal furnaces	0.17.5	ous regulation station
6.3.2.3	Fluidizing furnaces	6.18	Equipment for thermal power distribution
0.5.2.5	rtaidizing farriaces	6.19	Heat insulating materials for power equipment
622		0.19	rieat insulating materials for power equipment
6.3.3	Equipment for chemical water treatment in the power	6 20	Heating agriculant
	industry	6.20	Heating equipment
6.3.4	Equipment for thermal water treatment in the power industry	6.20.1	Components for heating equipment
6.3.5	Feed water preheaters	6.20.2	Heating components
6.3.6	Gas preheaters	6.20.3	Gas radiant heating for industrial applications
6.3.7	Boiler plants		
6.3.8	Heating plants	6.21	Recuperation units, recuperators
6.3.9	Waste incinerating plants	6.22	Equipment, systems and aids for provision of safety in nuclear
			plants
6.3.10	Exchangers, exchanger stations	6.23	CAD, CAM, CIM in the power industry
6.3.10.1	Heat exchangers	6.24	Consultancy in the power industry
6.3.10.2	Exchanger stations	6.25	Engineering and design services in the field of power industry
	j		equipment
6.3.11	Machines and equipment for fuel handling		-1-F
		6.26	Service and repairs of power industry equipment
6.3.99	Equipment for thermal energy generation – other	6.26.1	Diagnostics of power industry equipment
0.5.55	Equipment for thermat energy generation - other	6.26.2	Spare parts for power industry equipment and machines
Turbines		6.26.3	Turn-key general repairs of power industry equipment
	Components and accessories of turbines	0.20.3	furn-key general repairs or power industry equipment
6.4.1	Components and accessories of turbines	6.07	Defends however and an elementary of a constitution of
6.4.2	Steam turbines	6.27	Refurbishment and modernization of power industry
6.4.3	Expansion turbines		equipment
6.4.4	Combustion turbines	6.28	Civil and erection works for power industry
6.4.5	Gas turbines	6.29	Oil tank cleaning
6.4.99	Turbines – other		
		6.30	Technology for classic and nuclear power industry and heating
6.5.	Nuclear technology		plants
6.5.1	Components of nuclear equipment	6.30.1	Technological projects for classic and nuclear power industry
6.5.99	Nuclear technology – other		and heating plants
		6.30.2	Transfer of technologies for classic and nuclear power industry and
Complete pov	ver plants		heating plants
6.6.1	Steam power plants	6.30.3	Technology supplies for classic and nuclear power industry
6.6.2	Combined systems: power and district heating plant	3.30.3	and heating plants
0.0.2	combined systems. power and district neating plant		and nearing plants
6.6.3	Thermal power plants	6.31	Execution of investment projects for classic and nuclear power
6.6.3.1	Thermal power plants Thermal power plants firing solid fuels	0.51	industry and district heating plants
6.6.3.2	Thermal power plants firing solid idets Thermal power plants firing liquid fuels	6.32	Manufacturers of electric power, gas and heat
	, , , , , , , , , , , , , , , , , , , ,	6.33	
6.6.3.3	Thermal power plants firing gas		Distributors of electric power, gas and heat
6.6.3.4	Combined cycle power plants	6.34	Classical and nuclear power industry and heating plants –
6.6.3.5	Thermal power plants – incineration plants		other
6.6.3.6	Nuclear power plants		
			power sources
Combustion e		6.35.1	Machines and equipment for production of pressed biofuels
6.7.1	Elements of combustion engines		(pellets, briquets)
6.7.2	Oil engines, Diesel engines	6.35.2	Biomass fired boilers

POWER ENGINEERING AND HEAVY-CURRENT ELECTRICAL ENGINEERING



6.35.3	Biomass fired boiler plants, heating plants	6.44.2	Fluorescent tubes
6.35.4	Solar heating systems	6.44.3	Discharge lamps
6.35.5	Photovoltaic electric power sources		J , .
6.35.6	Hydro-electric power plants	6.44.99	Electric light sources – other
6.35.7	Wind power plants and their accessories		3
6.35.8	Heat pumps and their accessories	Lighting fit	tinas
6.35.9	Power industry equipment for biogas utilization	6.45.1	Outdoor lighting fittings
6.35.10	Equipment and accessories for geothermal energy utilization	6.45.2	Lighting fittings for dangerous and demanding
6.35.11	Waste heat utilization, recovery	0.45.2	environments
6.35.12	Biofuels	6.45.3	Searchlights and headlights
6.35.12	Hybrid drives	6.45.99	Lighting fittings – other
6.35.14	Fuel cells using hydrogen, natural gas, alcohol for power	0.45.99	Lighting fittings – other
0.55.14	generation	Transdusara	, rectifiers and other electrotechnical elements
6.35.15	Electrical power distribution grids of Smart Grids type	Hallsuucers	s, rectifiers and other electrotechnical elements
6.35.16	Services, consultancy, financing in alternative power sources	6 /7 1	Hann annual annual alaskunda (diadaa kunadakan
0.55.10	field	6.47.1	Heavy-current power electronics (diodes, transistors,
6 25 47			thyristors)
6.35.17	Institutions focused on renewable power sources field		
6.35.99	Alternative power sources – other		Accessories of transducers, rectifiers, switches
		6.47.2.1	Transducers
-	ergies, in CO2 emissions	6.47.2.2	Rectifiers
6.36.1	Trading in energies	6.47.2.3	Stabilizers
6.36.2	Trading in CO2 emissions	6.47.2.4	Current inverters
		6.47.2.5	Electric current converters
Heavy-curre	nt electrical engineering	6.47.2.6	Frequency converters
		6.47.2.7	DC voltage converters
Cables and co		6.47.2.8	Electric current switches and controllers
6.40.1	High and very high voltage cables		
6.40.2	Power cables	6.48	Uninterruptible power supplies
6.40.3	Flame retarding cables		
6.40.4	Earth cables	Electric curi	rent switchboards
6.40.5	Self-supporting cables	6.49.1	Parts of switchboards
6.40.6	Flexible cables for machine control	6.49.2	LV switchboards
6.40.7	Connecting cables for instruments	6.49.3	HV switchboards
6.40.8	Cable couplers, eyes	6.49.4	Compensation switchboards
6.40.9	Cable connectors	6.49.5	I+C switchboards
6.40.10	Cable terminals	6.49.6	Cable switching cabinets
6.40.11	Heavy current installation lines	6.49.7	Universal switchgear cubicles
6.40.12	Leads for electrotechnical windings	6.49.8	Switchboards to order
6.40.13	Insulated conductors	6.49.9	Distribution boards
6.40.14	Earthing materials		
6.40.15	Cable lines (stands, supports, lines, trays, througs)	6.50	Plugs and adapter plugs
6.40.16	Fastening materials for cables and conductors		· tago ana aaapto. ptago
6.40.17	Cable coils	I V connecti	ng and switching instruments
6.40.18	Superconductors	6.51.2	LV switches
6.40.19	Heating resistance materials	6.51.3	LV contactors and circuit breakers
6.40.20	Cable marking systems	6.51.4	Fuses
6.40.21	Tools and equipment for working with cables and conductors	6.51.5	Starters
6.40.98	Complete production programme of cables, conductors	6.51.6	Rheostats
0.10.50	and accessories	6.51.7	LV electromagnets
6.40.99	Cables and conductors – other	6.51.8	Command devices
0.10.55	cubics and conductors of the	0.51.0	command devices
Electrotechn	ical insulators and insulants	6.52	Power switching devices
6.41.1	Porcelain insulators	0.52	Torreit Switching devices
6.41.2	El. wiring and assembly porcelain	Transforme	rc
6.41.3	Ceramic components for el. engineering – other	6.53.1	LV transformers
6.41.4	Electrotechnical insulants (excluding ceramic)	6.53.2	HV transformers
6.41.5	Insulating tubes for high voltage technology	6.53.3	VHV transformers
6.41.99	Electrotechnical insulators and insulants – other		Capacitive voltage transformers
0.41.33	Liectrotecrifficat filsulators and filsularits – other	6.53.4	, ,
6.42	Power capacitors	6.53.5	Regulating (variable-voltage) transformers
0.42	rowei capacitois	6.53.6	Measuring transformers
6.43	Flactrochemical power supplies	6.53.7	Switches for transformers
	Electrochemical power supplies	6.53.8	Components and accessories of transformers
6.43.1	Batteries, electrochemical cells	6.53.9	Choke coils
6.43.2	Accumulators	6.53.10	Service and repairs of HV and VHV transformers
6.43.3	Accumulator charging systems	6.53.11	Kiosk (concrete) transformer stations
6.43.99	Electrochemical power supplies – other		2 1 . 1 . 11 . 1 . 1 . 1
PI - 1 - 1		6.54	Electric HV and VHV instruments
Electric light	sources	6.54.1	HV and VHV switches
		6.54.2	HV contactors
6.44.1	Lamps	6.54.3	HV and VHV lightning arresters
6.44.1.1	Tungsten-halogen lamps	6.54.4	HV and VHV disconnectors
6.44.1.2	LED lamps	6.54.5	HV vacuum circuit breakers



POWER ENGINEERING AND HEAVY-CURRENT ELECTRICAL ENGINEERING

6.54.6	Protective and safety aids for HV technology	6.60.8	Industrial sockets and plugs
6.54.7	Static electricity protection equipment	6.60.9	Connecting wiring material
6.54.8	Earthing systems		
		6.61	Measuring transducers for heavy electrical engineering
Electric moto	ors	6.62	Interference suppression filters
6.55.1	Components for electric motors	6.63	Electromagnets for mechanical engineering
6.55.2	Synchronous electric motors	6.64	Electric instruments for explosive environments
	•	6.65	Electrotechnical tools for heavy electrical engineering
6.55.3	Asynchronous electric motors	6.66	Protective aids for work on electric devices
6.55.3.1	Asynchronous electric motors up to 1 kW	6.67	Lightning rods, lightning stroke protection systems
6.55.3.2	Asynchronous electric motors in the range of 1 kW to 100 kW	6.68	Control systems for power plants, substations
6.55.3.3	Asynchronous electric motors of more than 100 kW		and transformer stations
6.55.3.4	Low-voltage asynchronous motors	6.77	CAD, CAM, CIM in heavy-current electrical engineering
6.55.3.5	High-voltage asynchronous motors	6.78	Consultancy in heavy-current electrical engineering
6.55.3.6	Asynchronous brakes	6.79	Engineering and design services in heavy-current electrical
	-		engineering
6.55.3.7	Starters for asynchronous motors	6.80	Service and repairs of machines and equipment in heavy-
6.55.3.7.1	Soft starters		current electrical engineering
0.55.01, 12	55.65.64.66.5		
6.55.4	Commutator electric motors		
6.55.5	DC electric motors		
6.55.5.1	DC electric motors up to 1 kW		
6.55.5.2	DC electric motors of more than 1 kW		
6.55.5.3	Brushless DC el. motors		
0.55.5.5	5. as. items 50 ct. incoors		
6.55.6	Stepping electric motors, micromotors		
6.55.7	Piezomotors		
6.55.8	Small gear motors		
6.55.9	Linear electric motors		
6.55.10	Servomotors DC		
6.55.11	Servomotors AC		
0.55.11	361 4011106013716		
6.55.12	Electric motors for special purposes		
6.55.12.1	Electric motors for explosive environments		
6.55.12.2	Electric motors designed for operation in extreme temperatures		
3.33.12.2	2.000.10 designed for operation in extreme temperatures		
6.55.13	Custom-made electric motors		
6.55.14	Repairs of electric motors		
6.55.99	Electric motors – other		
0.33.33	Electric motors – vinci		

6.56 Rotary power supplies

6.56.1 Alternators

6.56.2 Synchronous generators 6.56.3 Power factor compensators

6.56.4

6.56.99 Rotary power supplies – other

6.57 Dynamometers

Electric industrial heating			
6.58.1	Components for thermal electric equipment		
6.58.2	Electric arc and resistance furnaces		
6.58.3	Induction furnaces		
6.58.4	Dielectric equipment		
6.58.5	HF heating		
6.58.6	Microwave heating		
6.58.7	Infra-red heating		
6.58.8	Special electric heating		
6.58.9	Heating cables		
6.58.10	Induction heating equipment		

6.59 Electric rotary drives

Wiring material

6.60.1	House switches and sockets
6.60.2	Mounting boxes
6.60.3	Terminal boards
6.60.4	Electronic controllers and devices
6.60.5	Support and fixing materials
6.60.6	Plastic and metal cable terminals
6.60.7	Cable protectors





Machines an	nd equipment for the electrical industry	7.2.1.5	Optical cables
i ideiiiies di	a equipment for the electrical made by	7.2.1.6	Assembled cables for transmission technology
7.1.1	Machines for manufacture of conductors and cables	7.2.1.99	Conductors – other
7.1.2	Winding machines	7.2.1.55	conductors other
7.1.2	Wire cutting and stripping machines	7.2.2	Passive electrical components
7.1.3 7.1.4	Cable, bunched cable and interconnecting system testing	7.2.2.1	Resistors for electronics
7.1.4		7.2.2.2	
745	equipment		Potentiometers for electronics
7.1.5	Pressing machines for the electrotechnical industry	7.2.2.3	Capacitors for electronics
7.1.6	Insulant production machines	7.2.2.4	Coils for electronics
7.1.7	Machines for insulation, impregnation and sealing	7.2.2.5	Piezo-electric crystal elements
	in electrical engineering	7.2.2.6	Ferrite cores
7.1.8	Bandaging machines	7.2.2.7	SMD passive elements
7.1.9	Coil production lines	7.2.2.99	Passive electronic elements – other
7.1.10	Transformer production lines		
7.1.11	Electric motor production machines and equipment	7.2.3	Instrument batteries and accumulators
7.1.12	Resistor production machines		
7.1.13	Capacitor production machines	7.2.4	Semiconductor elements
	• •	7.2.4.1	Diodes
7.1.14	Cleaning machines and equipment in electrical engineering	7.2.4.99	Semiconductor elements – other
7.1.14.1	Ultrasound cleaning devices	7.2.1.55	Semiconductor eternents other
/.1.1	otti asoana eteaning aevices	7.2.5	Analogue integrated circuits
7.1.15	Vacuum equipment for the electrotechnical industry	7.2.6	5 5
			Digital integrated circuits
7.1.16	Machines for production of semiconductors, SMD elements and	7.2.7	IGBT modules
	hybrid circuits	7.2.8	Hybrid circuits
		7.2.9	Electronic components other than semiconductor ones – other
7.1.17	Machines for printed circuit board production		
7.1.17.1	Drilling machines for printed circuit boards	7.2.10	Optic and optoelectronic elements
7.1.17.2	Automatic and semi-automatic component mounting machines	7.2.10.1	Miniature bulbs
7.1.17.3	Soldering devices for classic, mixed and surface mounting (SMT)	7.2.10.2	Visualizing elements, indicators
	3 , ,	7.2.10.3	LED displays
7.1.18	Assembly devices for PCB technology	7.2.10.4	LCD displays
7.1.19	Printed circuit board assembly tools	7.2.10.5	Laser displays
7.1.20	Machines for installation of electrical part contacts	7.2.10.6	Plasma displays
	·		, ,
7.1.21	Testing systems for printed circuit boards	7.2.10.7	Fluorescent displays
7.1.22	Handling modules for the electrotechnical industry	7.2.10.8	Solar cells
7.1.23	Automatic visual checking equipment	7.2.10.9	Connecting optical elements
7.1.24	Palletizing systems for electrotechnical industry	7.2.10.10	Optical signal processing elements
7.1.25	Systems for soldered component dismantling	7.2.10.11	Optoelectronical equipment
7.1.26	Single-purpose machines for electrotechnical production	7.2.10.12	CCD elements
7.1.27	Measuring and testing equipment for electrotechnical	7.2.10.13	Laser equipment
	production	7.2.10.14	SMD optic and optoelectronic elements
7.1.28	PCB repair systems	7.2.10.99	Optic and optoelectronic elements – other
7.1.29	Auxiliary equipment for electrical engineering and electronics		
7.1.30	Antistatic workplaces and aids	7.2.11	Converters
		7.2.12	Amplifiers
7.1.87	CAD, CAM, CIM in the electrotechnical industry	7.2.13	DC/DC converters
7.1.88	Consultancy for the electrotechnical industry	7.2.14	Vacuum elements (electron tubes, cathode ray tubes, other)
7.1.89	Engineering and design services for the electrotechnical	7.2.14	vacaum elements (electron tubes, cathode ray tubes, other)
7.1.09		7 2 15	Mechanical components for electronics
	industry	7.2.15	
		7.2.15.1	Flat conductor connectors
7.1.90	Service and repairs of machines and equipment	7.2.15.2	Interface connectors
	for the electrotechnical industry	7.2.15.3	Internal interconnecting components (printed circuits)
7.1.90.1	Diagnostics of machines and equipment in the electrotechnical	7.2.15.4	Connectors for PCB
	industry	7.2.15.5	Connectors for optical waveguides
7.1.90.2	Spare parts for equipment in the electrotechnical industry	7.2.15.6	Mechanical elements of electronic structures (cabinets, coolers)
7.1.90.3	Refurbishment and upgrading of equipment in the	7.2.15.7	Cables, conductors for electronics
	electrotechnical industry	7.2.15.8	Electromechanical elements (motors, switches)
	•	7.2.15.9	Rotary switches
7.1.91	Reworked machines and equipment for the electrotechnical	7.2.15.10	Push-buttons
-	industry	7.2.15.11	Microswitches
7.1.92	Technologies for the electrotechnical industry	7.2.15.12	Keys
, . I . J L	reamongles for the executive children mansary	7.2.15.12	Film keyboards
7 1 00	Machines and equipment for the electrotechnical industry		
7.1.99	Machines and equipment for the electrotechnical industry –	7.2.15.14	Safety and security elements
	other	7.2.15.15	Elements for power supplies (ferrite cores, transformers)
		7.2.15.16	Transmitters, communication transformers
Electronic co	omponents and elements	7.2.15.17	Toroidal transformers
		7.2.15.18	Instrument transformers
7.2.1	Conductors	7.2.15.19	Relays for electronics (SMD relays, relay sockets)
7.2.1.1	Communication cables	7.2.15.20	Magnets for electronics
7.2.1.2	Connecting wires and twisted conductors		
7.2.1.3	Conductors and fine wires for windings	7.2.15.99	Mechanical components for electronics and parts – others
7.2.1.4	Conduit lines		The state of the s



7.2.16	Piezoelectric sensors, controllers	7.5.1.22	Industrial information and control networks and their
7.2.17	Power sources for electronics	7 5 1 22 1	components
7.2.87	CAD, CAM, CIM for electronic components and elements	7.5.1.22.1	LAN and WAN networks
7.2.88	Consultancy for electronic components and elements	7.5.1.22.2	Wireless LAN networks
7.2.89	Engineering and design services in the field of electronic	7.5.1.23	Operation systems for technology process control
	components and elements	7.5.1.24	Developing systems and programs for process simulation
7.2.90	Production of made-to-order printed circuit boards	7.5.1.25	Programs for technological process control
	·	7.5.1.26	Programs for process visualization
7.2.99	Electronic components and elements – other	7.5.1.27	Remote computer management systems
		7.5.1.28	Data Warehousing / Data Mining – for industrial data
Studio and b	roadcasting technology		
724	Commonwhat and accessoring of two constitutions	7.5.1.99	Components for automation and control technology
7.3.1 7.3.1.1	Components and accessories of transmitters Generator and broadcasting electronic elements		equipment – other
7.3.1.1	Antenna arrays	7.50	- 1
7.3.1.2	Cables and lines for broadcasting technology	7.5.2	Transducers of electric and non-electric variables
		7.5.2.1 7.5.2.2	Intelligent sensor systems Incremental and absolute encoders
7.3.2	Broadcasting, telegraph and communication transmitters	7.5.2.2	Incremental and absolute encoders
7.3.3	Television transmitters	7.5.3	Counters for regulation
7.3.4	Radio networks		
7.3.5	Mobile radio-telecommunication equipment	7.5.4	Remote checking and control
7.3.6	Relay links	7.5.4.1	Remote electric measurement / control
7.3.7	Radar equipment	7.5.4.2	Automatic central checking / control
7.3.8	Broadcasting studio technology	7.5.4.3	Telephone controlled devices
7.3.9	Call and telephone dispatcher systems	7.5.4.4	Radio systems for remote control of industrial technology
7.3.10	Television studio technology	75/5	CCM / CDDC based data materialis
7.3.10 7.3.11	Cable television (cables, other components)	7.5.4.5 7.5.4.5.1	GSM / GPRS based data networks Communication modules for GSM / GPRS
7.3.12	Closed-circuit television	7.5.4.5.1	communication modules for dainy driva
7.3.13	Satellite television technology	7.5.5	Electric and electromagnetic controllers
7.3.14	Direction finders	7.5.5.1	Magnetic controllers
7.3.15	GPS	7.5.5.2	Hydraulic controllers
7.3.16	Remote control wireless systems	7.5.5.3	Pneumatic controllers
7.3.17	Measuring instruments for broadcasting technology	7.5.5.4	Electronic controllers
		7.5.5.5	PID controllers
7.3.99	Broadcasting equipment – other	7.5.5.6	Control systems with fuzzy logic
.		7.5.5.7 7.5.5.8	Programmable logic controllers (PLC) Interconnection of programmable logic controller
Instruments	for automatic regulation and control	7.5.5.6	with master computer
7.5.1	Components for equipment for automation and control	7.5.5.9	Control systems PCC (Programmable Computer Controller)
7.5.1	components for equipment for automation and control	7.5.5.10	Optimizing systems
7.5.1.1	Process microprocessors, microcontrollers		,
7.5.1.2	Processor and memory modules	7.5.6	Controllers and power elements
7.5.1.3	Signal processors	7.5.6.1	Servomotors (pneumatic, integrated)
7.5.1.4	RAM/ROM disc memories	7.5.6.2	Power units (actuators)
7.5.1.5	Communication modules, I/O modules – cards	7.5.6.3	Selsyns
7.5.1.6	Industrial bus-bar systems	7.5.6.4 7.5.6.5	Power amplifiers Relays
7.5.1.7	Chassis, control technology cabinets	7.5.6.6	Switches for control
7	* 1		
7.5.1.8	Industrial control computers	7.5.7	Control rooms
7.5.1.8.1	Minipanel PC	7.5.7.1	Operation consoles for technology control
7.5.1.8.2	Single-board control computers Network servers for industrial sites		
7.5.1.8.3 7.5.1.8.4	Industrial data collection PC	7.5.8	Control and measuring systems
7.5.1.8.5	Notebooks suitable for industrial sites	7.5.8.1	Control and measuring systems for company power engineering
7.5.1.0.5	Hotebooks suitable for massifiat sites	7.5.0	C
7.5.1.9	Monitors	7.5.9 7.5.9.1	Systems for automatic production process control Systems for automatic thermal process and air-conditioning
7.5.1.10	Panel and large-size alphanumerical displays	7.5.9.1	control
7.5.1.11	Visualization panels for machine monitoring	7.5.9.2	Systems for automatic technological process control
7.5.1.12	Joysticks and trackballs for industrial sites		in mechanical engineering
7.5.1.13	Industrial terminals	7.5.9.3	Systems for automatic technological process control
7.5.1.14	Industrial keyboards		in chemical industry
7.5.1.15	Projection and presentation equipment for control rooms	7.5.9.4	Systems for automatic technological process control in power
7.5.1.16	Computer printers for industrial sites		engineering
7.5.1.17	Power supplies	7.5.9.99	Systems for automatic technological process control in other
7.5.1.18	Output and interconnecting cables, connectors		industrial branches
7.5.1.19 7.5.1.20	Measuring peripherals for PC	7 5 10	Automatic control systems for railway transport
7.5.1.20 7.5.1.21	Computer cards for industrial control computers UPS for control, automation and regulation technology	7.5.10 7.5.11	Automatic control systems for railway transport Automatic control systems for air service
,	5. 5 for controt, automation and regulation technology	7.3.11	Automatic control systems for an service



7.5.12	Measuring and automation equipment for support	7.12.8	Production management
7.5.40	and distribution	7.12.8.1	Operative workshop planning and management
7.5.13	GIS (Graphic Information Systems) for utility lines	7.12.8.2	APS (Advanced Planning System) systems for advanced production
	administration		planning and scheduling
7.5.14	Data collecting and processing equipment for control	7.12.9	Quality monitoring, CAQ (Computer Aided Quality) systems
	computers	7.12.10	Norms setting
7.5.14.1	Bar code readers	7.12.11	Technology
7.5.14.2	RFID technologies	7.12.12	Service and maintenance
71312112	in 12 commondates	7.12.13	Statistics and analysis for top management
7.5.15	Image processing systems	7.12.14	Information tracing and utilization for management
7.5.15.1	Robot vision for 2D images	7.12.15	Decision-support systems
7.5.15.2	Robot vision for 3D images	7.12.16	Business Intelligence (Data Warehausing/Data Mining)
7.3.13.2	Nobel Vision for 55 images	7.12.17	CRM (Customer Relationship Management) systems
7.5.16	Data distribution technology in buildings	7.12.18	Marketing
7.5.17	Redundant control systems with high reliability	7.12.19	Company processes modelling and optimizing (Workflow,
7.5.18	Explosion-proof components and systems for control,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Reengineering)
7.5.10	automation and regulation equipment	7.12.20	HelpDesk tools supporting business applications
7.5.99	Instruments and equipment for automatic control – other	7.12.99	General software for business management – other
Warning and	l safety equipment	Software for	r offices and institutions
7.6.1	Railway, air and road warning and safety equipment	7.13.1	Electronic mail
7.6.2	Mining safety equipment	7.13.2	Team work support software
7.6.3	Monitoring and warning systems for danger	7.13.3	Document processing
7.6.4	Fault reporting systems	7.13.4	Document archiving
7.6.99	Warning and safety equipment – other	7.13.5	Office automation support software
		7.13.6	DMS systems (Document Management System) for control
Supervising	and control equipment		and management of structured and unstructured documents
		7.13.99	Software for offices and institutions – other
7.7.1	Access checking		
7.7.1.1	Light barriers and other photoelectric devices	System inte	gration, complex solution of ERP systems
7.7.1.2	Access systems with magnetic and chip cards	7.14.1	Systems for complete document administration, flow management
		74/0	and storage (Workflow)
7.7.2	Personnel and luggage checking equipment	7.14.2	PLM systems for complex product lifecycle management
7.7.3	TV monitoring equipment	7.14.3	Integrated business system for companies
		7.14.4	Comprehensive production plant management system
7.8	Fire, gas detecting systems	7.14.5	Comprehensive non-production plant management system
		7.14.6	Comprehensive management system for budget and publicly
7.9	Antifire and antiexplosion safety equipment in industrial		funded organizations
	plants	7.14.7	Comprehensive management system for production and business
7.9.1	Fire safety systems for machine-tools and forming machines		concerns
7.9.2	Spray booth fire safety systems	7.14.8	Comprehensive management for holding companies
		7.14.9	Company management network system
	detecting robberies, danger, entry of unauthorized persons	7.14.10	Modular system of business management
7.10.1	Systems with central security board	7.14.11	Comprehensive information system for crisis management
7 10 2	Flortric and photoglactric supervicion systems	7.14.99	System integration, complex solution of ERP – other
7.10.2 7.10.2.1	Electric and photoelectric supervision systems CCD camera systems	7.14.33	System megration, complex solution of Ent - other
7.10.2.1	Broken glass detectors	7.15	System integration in the sector of industrial information,
7.10.2.2	blokeli glass detectors		measuring and control systems
7.10.3	IR supervision systems	7.15.1	Made-to-order development of software and hardware in the field
7.10.3 7.10.4	Ultrasonic supervision systems	7.13.1	of automation
7.10.4	Microwave supervision systems		
7.10.5	Laser and radar supervision systems	7.16	Training machines and equipment
7.10.0	Seismic sensor systems (geophones)	7.17	CAD, CAM, CIM in control, automation and regulation
7.10.7	Seisiffic serisor systems (geophories)		technology
7.11	Industrial robots and their assemblies	7.18	Consultancy in control, automation and regulation
7.11.1	Micro-positioning systems		technology
7.11.2	Robotic cells	7.19	Engineering design services in the field of control, automation
7.11.2	Turn-key integrated solutions of robotized production processes		and regulation technology
	nege.g. acca setutions of resource production processes		5.
General softs	ware for business management	7.20	Service and repairs of equipment and instruments
7.12.1	Tangible and intangible property records		in control, automation and regulation technology
7.12.2	Invoicing	7.20.1	Diagnostics of control, automation and regulation technology
7.12.3	Book-keeping	7.20.2	Spare parts for control, automation and regulation technology
7.12.4	Human resources	7.20.3	Refurbishment and upgrading of control, automation
7.12.5	Wages and salaries		and regulation technology
7.12.6	Software supporting development of new industrial products		
7.12.7	Technical preparation for production	7.29	Elements and systems in control, regulation and automation
			technology



	ighing technology	7.34.99	Equipment and measuring instruments for electric
7.31.1	Components and parts of scales		variables – other
7.31.2	Weighbridge		
7.31.3	Belt conveyer scales	7.35	Universal power supplies
7.31.4	Crane scales	7.35.1	Universal supplies of stabilized voltage
7.31.5	Dosing scales	7.35.2	Universal supplies of stabilized current
7.31.6	Sack and filling scales		
7.31.7	Electronic balances and weighing	7.36	High voltage power supplies
7.31.8	Laboratory balances	7.37	Calibration standards for electrical engineering technology
Time measuri	ng instruments	Sensors for r	picking up mechanical variables
7.32.1	Electric and electronic clocks	50115015 101 p	ricking up incertained variables
7.32.2	Checking clocks	7.38.1	Sensors for picking up mechanical
7.32.3	Timers	7.38.1.1	Pressure sensors
7.32.4	Time control displays	7.38.1.2	Pressure difference sensors
7.32.5	Special purpose time measuring instruments	7.38.1.3	Speed sensors
7.32.6	Operation hour counters	7.38.1.4	Acceleration sensors
7.52.0	operation nour counters	7.38.1.5	Load sensors
Ontomechanic	al instruments	7.38.1.6	Position sensors
7.33.1	Components for optomechanical instruments	7.38.1.7	Path sensors icluding gyroscopic systems
7.33.2	Microscopes and accessories	7.38.1.8	Length, distance sensors
7.33.3	Geodetic and cartographic instruments	7.38.1.9	Shift / feed sensors
7.33.4	Photogrammetric instruments and accessories	7.38.1.10	Thickness sensors
7.33.5	Telescopes, magnifiers	7.38.1.11	Angle sensors
7.33.6	Astronomic instruments	7.38.1.12	Revolution sensors
7.33.7	Optomechanical spectral analysers	7.38.1.13	Sensors of speed, velocity, acceleration
7.33.8	Fibre optics	7.38.1.14	Fluid flow sensors
7.33.9	Industrial endoscopes	7.38.1.15	Gas flow sensors
7.33.10	Profile projectors	7.38.1.16	Fluid level sensors
7.33.99	Optomechanical instruments – other	7.38.1.17	Fluid level measured value sensors
7.55.55	optomechanical mistraments – other	7.38.1.18	Surface quality evaluating sensors
Instruments f	or measuring of electric variables	7.38.1.19	Force sensors
Instruments i	of measuring of electric variables	7.38.1.20	Sensors of force, strain, deformation and bending
7.34.1	Multimeters	7.38.1.21	Vibration sensors
7.34.2	Ammeters	7.38.1.22	Torque sensors
7.34.3	Digital avometers (multimeters)	7.38.1.99	Sensors for picking up mechanical quantities – other
7.34.4	Voltmeters		
7.34.5	Voltage testers	7.38.2	Sensors for picking up electric quantities and parameters
7.34.6	Charging meters	7.38.3	Sensors for picking up acoustic quantities and parameters
7.34.7	R-L-C-Z meters		
7.34.8	Conductance meters	7.38.4	Sensors for picking up optical quantities and parameters
7.51.0	conductance meters	7.38.4.1	Optical sensors
7.34.9	Universal analyzers of analog and digital LF systems	7.38.4.2	Optoelectronic sensors
7.34.9.1	Universal measuring instruments	7.38.4.3	Sensors of light signal parameters in glass fibres
7.5 1.5.1	oniversal measuring instruments	7.38.4.4	Picture sensors
7.34.10	Instruments for measuring of voltage, current, resistance	7.38.4.5	Colour sensors
7.5	and output for HV	7.38.4.99	Sensors for picking up optical quantities and parameters – other
7.34.11	Switchboard measuring instruments	7 20 5	Towns such up and the sum of many assesses
7.34.12	Oscilloscopes	7.38.5	Temperature and thermal power sensors
7.34.13	Electric meters	7.38.5.1	Contactless temperature sensors
7.34.14	Measuring bridges	7.38.5.2	Thermal power sensors
7.34.15	Measuring photoelectric instruments	7.38.6	Sensors for picking up magnetic quantities and parameters
7.34.16	Measuring amplifiers	7.38.6.1	Sensors for measuring of magnetic quantities Sensors for measuring of magnetic quantities
7.34.17	Measuring transducers	7.38.6.2	Magnetic field detectors
7.34.18	Harmonic distortion analyzers	7.38.6.3	Sensors of magnetic field parameters
7.34.19	Spectral analyzers of electric signals	7.50.0.5	Sensors of magnetic neta parameters
7.34.20	Signal analyzers	7.38.7	Humidity sensors
7.34.21	Electric network analyzers	7.38.7.1	Absolute humidity sensors
7.34.22	Local network cable analyzers	7.38.7.2	Relative humidity sensors
7.34.23	Phase meters	7.38.7.3	Liquid leak detectors
7.34.24	Attenuation level meters	7.30.7.3	Liquid teak detectors
7.34.25	Noise meters	7.38.8	Sensors for picking up chemical quantities and parameters
7.34.26	Digital channel testers	7.55.5	consort of promise up and mountain quantities and parameters
7.34.27	HF power meters	Measuring in	nstruments of physical quantities
7.34.28	Electronic component testers	r reasuring n	istaments of physical quantities
7.34.29	Digital integrated circuit testers	7.39.1	Measuring instruments for length, angle, thread
7.34.30	Logic analyzers	7.39.1.1	Length meters
7.34.31	Data interface analyzers	7.39.1.2	Angle meters
7.34.32	Computer cards for PC logic analyzer	7.39.1.2	Thread gauges
7.34.33	Counters	7.39.1.4	Geometric shape measuring devices
7.34.34	Electromagnetic compatibility test units (EMC)	7.39.1.5	Position meters
7.34.35	Electronic generators	7.39.1.6	Electronic levels
	-		





7.39.1.7	Laser levelling instruments	7.39.19	Detectors of underground supply lines
7.39.1.8	Equipment for contactless size measurements	7.39.20	X-ray and nuclear radiation measuring instruments
7.55.1.0	Equipment for contactiess size measurements	7.39.21	
			Viscosity meters
7.39.2	Velocity meters	7.39.22	Surface tension and contact angle meters
7.39.3	Acceleration meters	7.39.23	Systems and instruments for physical quantity calibration
		7.39.24	Testing and calibration measuring instruments and standards for
7.39.4	Flow meters		physical quantities
7.39.4.1	Flow meters for liquids		, 3 4
7.39.4.2	Water meters for cold water	7.39.99	Measuring instruments for other physical parameters
		7.39.99	measuring instruments for other physical parameters
7.39.4.3	Water meters for hot water		
7.39.4.4	Gas flow meters	Measuring in	nstruments for chemical quantities
7.39.4.5	Gas meters (diaphragm, turbine)	7.40.1	Measuring instruments for pH, redox potential
			and conductance
7.39.5	Measuring instruments of phenomenon abundance	7.40.2	Measuring instruments and analyzers of harmful gases
7.39.5.1	Pulse counters with and without preselection	7.40.3	Oxygen meters
7.53.5.1	i dise counters with and without preselection		
		7.40.4	Stationary and portable detectors of flammable gases
7.39.6	Speed indicators	7.40.5	Exhaust gas analyzers
		7.40.6	Gas analysis and monitoring instruments
7.39.7	Temperature meters	7.40.7	Measuring instruments and analyzers of toxic substances
7.39.7.1	Digital temperature meters	7.40.8	Ion meters
7.39.7.2	Contactless temperature meters	7.40.9	Devices for fast chemical analysis
			-
7.39.7.3	Pyrometers, infrapyrometers	7.40.99	Instruments for measurements of chemical quantities – other
7.39.7.4	Temperature meters with thermocouples		
7.39.7.5	Resistance thermometers	7.41	Laser measuring instruments
7.39.7.6	Measured temperature recorders		•
7.39.7.7	Pointer thermometers	Measuring s	ystems and instruments
7.55.7.7	Tomes diemoneters	7.42.1	Measuring instruments for meteorology
7 20 0	The second and second as the set of the second	7.42.1	measuring instruments for meteorology
7.39.8	Thermal power and output meters		
7.39.8.1	Industrial temperature monitoring systems		Measuring instruments for mechanical engineering
7.39.8.2	Cameras for infra-red thermography	7.42.2.1	Gauges for mechanical engineering
7.39.8.3	Instruments for thermal analysis	7.42.2.2	Micrometers
7.39.8.4	Calorimeters	7.42.2.3	Inside micrometers
7.39.8.5	Heat meters		
7.53.0.5	Heat meters	7.42.2.4	Coordinate measuring devices and accessories
7.39.9	Optical measuring instruments	7.42.2.4.1	3D coordinate measuring devices and elements
7.39.9.1	UV and IR radiation meters		
7.39.9.2	Measuring instruments for optical waveguides	7.42.2.5	Measuring instruments for bearings
7.39.9.3	Luxmeters	7.42.2.6	Measuring instruments for gear wheels
7.39.9.4	Optoelectronic measuring instruments	7.42.2.7	Balancing machines
		7.42.2.8	Operational balancing machines
7.39.9.5	Color meters		
7.39.9.6	Gloss meters	7.42.2.9	Diagnostics of gears and bearings
7.39.9.7	Optical sources with defined characteristics	7.42.2.10	Vibration diagnostics
		7.42.2.11	Monitoring of rotary machine condition
7.39.10	Force measuring instruments	7.42.2.12	Surface roughness and roundness measuring devices
7.55.10	Torce measuring instruments	7.42.2.13	Instruments for destructive and non-destructive testing of weld
7 20 11	Dunani wa mana wina inaku wa anka		joinst
7.39.11	Pressure measuring instruments		J
		7.42.3	Measuring instruments for civil engineering
7.39.11.1	Gas pressure measuring instruments		
7.39.11.1.1	Vacuum meters	7.42.4	Measuring instruments for agriculture
7.39.11.2	Liquid pressure meters	7.42.5	Measuring devices for plastics and rubbers
		7.42.5.1	Rheometers for measurements of rheological plastics properties
7.39.11.3	Dynamic pressure meters	7.42.5.2	Viscometers for plastics and rubbers
		7.42.5.3	Plastometers
7.39.12	Mass, thickness, area meters	7.42.3.3	i tastometers
7.39.12.1	Equipment for continuous mix density measurements		
7.39.12.2	Filling level sensors, liquid level sensors	7.42.6	Testing and calibration instruments and systems
		7.42.7	Measuring instruments for metrology
7 20 42	Manager 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	7.42.8	Universal modular measuring devices with replaceable
7.39.13	Measuring instruments and analyzers of vibrations		pickups
		7.42.9	Automatic samplers
7.39.14	Acoustic measuring instruments	7.42.3	Automatic samplers
7.39.14.1	Noise dosimeters		
7.39.14.2	Sound level meters	7.42.99	Measuring instruments and systems for other branches
7.39.14.3	Noise monitoring instruments		
		Laboratory a	and scientific instruments
7.39.14.4	Hydroacoustic instruments	7.43.1	Laboratory glass
7.39.14.5	Ultrasonic measuring instruments	7.43.2	Laboratory china
		,.TJ.L	
7.39.15	Filling level and surface height measuring instruments	7 /2 2	Dinatton and liquid desires desires
7.39.16	Torque measuring instruments	7.43.3	Pipettes and liquid dosing devices
		7.43.3.1	Titrators
7.39.17	Moisture measuring instruments		
		7.43.4	Laboratory thermometers
7.39.18	Measuring instruments of magnetic quantities	7.43.5	Laboratory driers
7.39.18.1	Metal detectors	7.43.6	Laboratory cooling equipment
		7.15.0	



7.43.8 7.43.9 7.43.10 7.43.11 7.43.11.1 7.43.12 7.43.13 7.43.13.1 7.43.13.2 7.43.13.99 7.43.20 7.43.20.1 7.43.20.1.2 7.43.20.2 7.43.20.3 7.43.20.4 7.43.20.5	Distilling and extraction devices Emulgation, homogenization and dispersing equipment for laboratories Laboratory autoclaves Climatic and temperature chambers for laboratories Thermostats Laboratory furnaces and accessories Vacuum technology for laboratories Laboratory vacuum pumps Laboratory vacuum meters Vacuum technology – other Laboratory instrumentation Laboratory analyzers Polarographs	7.43.38 7.43.39 7.43.40 7.43.99 7.44 Instruments 7.45.1 7.45.2 7.45.2.1 7.45.2.2	Laboratory cleaning machines Laboratory tools of precious metals Equipment for school laboratories, school measuring instruments Laboratory and scientific instruments – other Laboratory furniture for checking material properties and faults Components of equipment for checking material properties and faults
7.43.10 7.43.11 7.43.12 7.43.13 7.43.13.1 7.43.13.2 7.43.13.99 7.43.20 7.43.20.1 7.43.20.1.1 7.43.20.1.2 7.43.20.2 7.43.20.3 7.43.20.4	for laboratories Laboratory autoclaves Climatic and temperature chambers for laboratories Thermostats Laboratory furnaces and accessories Vacuum technology for laboratories Laboratory vacuum pumps Laboratory vacuum meters Vacuum technology – other Laboratory instrumentation Laboratory analyzers	7.43.40 7.43.99 7.44 Instruments 7.45.1 7.45.2 7.45.2.1	Equipment for school laboratories, school measuring instruments Laboratory and scientific instruments – other Laboratory furniture For checking material properties and faults Components of equipment for checking material properties and faults
7.43.11 7.43.12 7.43.13 7.43.13.1 7.43.13.2 7.43.13.99 7.43.20 7.43.20.1 7.43.20.1.1 7.43.20.1.2 7.43.20.2 7.43.20.3 7.43.20.4	Climatic and temperature chambers for laboratories Thermostats Laboratory furnaces and accessories Vacuum technology for laboratories Laboratory vacuum pumps Laboratory vacuum meters Vacuum technology – other Laboratory instrumentation Laboratory analyzers	7.43.99 7.44 Instruments 7.45.1 7.45.2 7.45.2.1	Laboratory and scientific instruments – other Laboratory furniture For checking material properties and faults Components of equipment for checking material properties and faults
7.43.11.1 7.43.12 7.43.13 7.43.13.1 7.43.13.2 7.43.13.99 7.43.20 7.43.20.1 7.43.20.1.1 7.43.20.1.2 7.43.20.2 7.43.20.3 7.43.20.4	Thermostats Laboratory furnaces and accessories Vacuum technology for laboratories Laboratory vacuum pumps Laboratory vacuum meters Vacuum technology – other Laboratory instrumentation Laboratory analyzers	7.44 Instruments 7.45.1 7.45.2 7.45.2.1	Laboratory furniture for checking material properties and faults Components of equipment for checking material properties and faults
7.43.12 7.43.13 7.43.13.1 7.43.13.2 7.43.13.99 7.43.20 7.43.20.1 7.43.20.1.2 7.43.20.2 7.43.20.3 7.43.20.4	Vacuum technology for laboratories Laboratory vacuum pumps Laboratory vacuum meters Vacuum technology – other Laboratory instrumentation Laboratory analyzers	Instruments 7.45.1 7.45.2 7.45.2.1	for checking material properties and faults Components of equipment for checking material properties and faults
7.43.13 7.43.13.1 7.43.13.2 7.43.13.99 7.43.20 7.43.20.1 7.43.20.1.1 7.43.20.1.2 7.43.20.3 7.43.20.4	Vacuum technology for laboratories Laboratory vacuum pumps Laboratory vacuum meters Vacuum technology – other Laboratory instrumentation Laboratory analyzers	7.45.1 7.45.2 7.45.2.1	Components of equipment for checking material properties and faults
7.43.13.1 7.43.13.2 7.43.13.99 7.43.20 7.43.20.1 7.43.20.1.2 7.43.20.2 7.43.20.3 7.43.20.4	Laboratory vacuum pumps Laboratory vacuum meters Vacuum technology – other Laboratory instrumentation Laboratory analyzers	7.45.2 7.45.2.1	and faults
7.43.13.2 7.43.13.99 7.43.20 7.43.20.1 7.43.20.1.1 7.43.20.1.2 7.43.20.2 7.43.20.3 7.43.20.4	Laboratory vacuum meters Vacuum technology – other Laboratory instrumentation Laboratory analyzers	7.45.2.1	and faults
7.43.13.99 7.43.20 7.43.20.1 7.43.20.1.1 7.43.20.1.2 7.43.20.2 7.43.20.3 7.43.20.4	Vacuum technology – other Laboratory instrumentation Laboratory analyzers	7.45.2.1	
7.43.20 7.43.20.1 7.43.20.1.1 7.43.20.1.2 7.43.20.2 7.43.20.3 7.43.20.4	Laboratory instrumentation Laboratory analyzers	7.45.2.1	
7.43.20.1 7.43.20.1.1 7.43.20.1.2 7.43.20.2 7.43.20.3 7.43.20.4	Laboratory analyzers		Equipment for static tests of material properties
7.43.20.1 7.43.20.1.1 7.43.20.1.2 7.43.20.2 7.43.20.3 7.43.20.4	Laboratory analyzers	7 / 5 2 2	Material and layer thickness testing equipment
7.43.20.1.1 7.43.20.1.2 7.43.20.2 7.43.20.3 7.43.20.4			Surface roughness testing equipment
7.43.20.1.1 7.43.20.1.2 7.43.20.2 7.43.20.3 7.43.20.4		7.45.2.3	Porosity testing equipment
7.43.20.1.2 7.43.20.2 7.43.20.3 7.43.20.4		7.45.2.4	Roughness meters
7.43.20.3 7.43.20.4	X-ray fluorescence equipment		
7.43.20.3 7.43.20.4		7.45.3	Equipment for dynamic tests of material properties
7.43.20.4	Filtration instruments for laboratories	7/524	Material hardness testing equipment
	Separation equipment for laboratories	7.45.3.1	Material testing equipment
7 43 20 5	Laboratory centrifuges	7.45.3.2	Material testing equipment for tension, pressure, bending and shear
, .43.20.3	Laboratory separators	7.45.3.3	Adhesion detectors
7 (2 22 5		7.45.3.4	Tensile testing machines
7.43.20.6	Laboratory screening machines	7.45.3.5	Wear testing equipment, simulation of operating stress
7.43.20.7 7.43.20.8	Laboratory colouring instruments Special scientific instruments	7.45.3.6	Equipment for testing of fatigue cracks and fatigue toughness
7.43.20.8	Special scientific institutions	7.13.3.0	Equipment for testing of fatigue clacks and fatigue toughness
7.43.21	Optical laboratory instruments	7.45.3.7	Material elasticity testing equipment
7.43.21.1	Polarimeters	7.45.3.7.1	Spring testers
7.43.22	Spectrometers	7.45.3.8	Equipment for testing thermal properties of material
7.43.22.1 7.43.22.2	X-ray spectrometers Infra-red spectrometers	7.45.3.9	Dilatometers
7.43.22.2	UV spectrometers	7 /5 /	Material structure testing devices
7.43.22.4	Atomic absorption spectrometers	7.45.4 7.45.4.1	Material structure testing devices Ultrasonic testing instruments
7.43.22.5	Mass spectrometers	7.45.4.1	Non-destructive testing instruments (flaw/crack detection)
7.43.22.6	Spark spectrometers	7.45.4.3	Building material property testing equipment
7.43.22.7	Spectrum database	7.43.4.3	building material property testing equipment
7.43.23	Laboratory microscopes	7.45.5	Material crack testing
7.43.23.1	Electron microscopes	7.45.6	Pipeline, valve and tank leak testing
7.43.23.2	Infra-red microscopes	7.45.7	Cable fault localization
7.43.23.3	Laser microscopes	7.45.0	Committee to the stiff of and anothering and anothering
	'	7.45.8	Corrosion testing and analysis equipment
7.43.24	Instruments for chromatography (liquid, gas, accessories)	7.45.8.1	Corrosion chambers
7 (2 25	Diff. 1	7.45.9	Sun radiation effect testers
7.43.25 7.43.25.1	Diffractometers Particle size analyzers	7.45.9.1	Sun simulating chambers
7.43.26	Refractometers	7.45.10	Equipment for vibration effect testing
7.43.27	Spectrophotometers	7.45.10.1	Vibration chambers
7.43.28	Colorimeters	7 / 5 11	Due do et tration and in mant
7.43.29	Turbidity meters	7.45.11	Product testing equipment
7.43.30	Metallography devices	7.45.11.1	Industrial X-ray devices
7.43.31	High-pressure laboratory devices	7.45.11.2 7.45.11.3	Equipment for continuous quality checking in production Testing equipment for the semiconductor and microprocessor
7 /2 22	I showstow, or winmout for the networksmissI and oil industry.	7.45.11.5	industries
7.43.32 7.43.32.1	Laboratory equipment for the petrochemical and oil industry Devices for multicomponent analysis of oils and gases without	7.45.11.4	Testing equipment for the automotive industry
7.43.5L.1	separation	7.45.11.5	Testing equipment for products of heavy-current electrical engineering
		7.45.11.6	Diagnostics of electric motors
7.43.33	Measuring instruments for interphase chemistry	7.45.11.7	Testing equipment for plastic and rubber products
	· · ·	7.45.11.8	Casting tightness testing machines
7.43.34	Equipment for work with radioactive substances		
7.43.34.1	Instruments for isotope analysis	7.45.99	Testing and checking equipment for testing of material
7.43.35	Linear accelerators		properties and faults – other
		Systems for	PC-based data measurement and analysis
	Auxiliary laboratory instruments	7.46.1	Measured value collection systems, loggers
7.43.36	Laboratory material separators	7.46.2	Mobile systems for measured data collection
	Laboratory material crushers		Portable units for measured data collection with signal processor



7.46.4	Telemetric systems
7.46.5	Cables for measuring and laboratory devices
7.46.6	Measuring modules
7.46.7	Measuring PC cards
7.46.8	Software for data measuring and analysis
7.46.9	Measuring systems with data collection
7.46.99	Components of PC-based measuring system – other
7.47	Recording instruments
7.48	Electronic picture processing in measurements
7.48.1	Cameras for picture scanning
7.48.1.1	High-speed cameras
7.48.2	Laser scanning devices
7.48.3	Technologies for digital picture archiving and analysis in measurements
7.80	Complete turnkey laboratory equipment
7.83	Technical drawing instruments and special drawing tools
7.88	Consultancy in measuring and laboratory technology
7.89	Engineering and design services in measuring and laboratory technology
7.90	Service and repairs of instruments for measuring and laboratory technology
7.91	Reworked laboratory and measuring technology
7.92	Materials testing services
7.94	X-Ray inspections
7.99	Instruments and equipment for measuring and laboratory technology – other



ECOLOGICAL TECHNOLOGY

Air-conditioning equipment		8.2	Pumping stations
8.1.1 8.1.1.1	Components for air-conditioning equipment Air pipelines	Technologies	for the treatment of drinking, service and technological water
8.1.1.2	Pneumatic haulage equipment	8.3.1	Design of water treatment plants
8.1.1.3	Air distribution equipment	8.3.2	Water treatment plant sedimentation and filtration units
		8.3.3	Aeration equipment for water treatment plants
8.1.2	Fans and accessories	8.3.4	Flocculation equipment for water treatment plants
8.1.2.1	Axial fans	8.3.5	Filters for the removal of mechanical impurities during water
8.1.2.2	Radial fans		treatment
8.1.2.99	Fans – other	8.3.6	Screens and sieves for water treatment plants
0.1.2.55		8.3.7	Centrifugal impurity separators
0.1.2	Air and was dadresting annimus at	0.3.7	Centi nugat impurity separators
8.1.3	Air and gas dedusting equipment		
8.1.3.1	Centrifugal dust separators	8.3.8	Chemical and physical water treatment
8.1.3.2	Accessories for air and gas dedusting equipment	8.3.8.1	Dosing equipment for water treatment plants
8.1.3.3	Air cleaners	8.3.8.2	Equipment for the elimination of iron and manganese during
			water treatment
8.1.4	Solid particle separators	8.3.8.3	Water softening and demineralization equipment
8.1.4.1	Electrostatic separators	8.3.8.4	Water desalting equipment
0.1.4.1	Liectiostatic separators	8.3.8.5	
	0 11 11 01		Water decarbonization equipment
8.1.5	Solid particle filters	8.3.8.6	Water dechlorination equipment
8.1.5.1	Filtration textiles	8.3.8.7	Filters for the elimination of unpleasant water odours
8.1.5.2	Cloth filters		and flavours
		8.3.8.8	Equipment for the elimination of radon from water
8.1.6	Exhaust and flue gas cleaning equipment		- 1 -1
0.1.0	Exhaust and rue gas cleaning equipment	0 2 0 0	Equipment for membrane constration processes
0.4.7		8.3.8.9	Equipment for membrane separation processes
8.1.7	Heat exchangers for air-conditioning	8.3.8.9.1	Microfiltration
8.1.7.1	Heat recycling exchangers	8.3.8.9.2	Ultrafiltration
		8.3.8.9.3	Reverse osmosis
8.1.8	Air-conditioning equipment for clean rooms		
8.1.8.1	Ventilation equipment	8.3.8.10	Ionex systems for water treatment plants
8.1.8.2	Air heating	8.3.8.11	Equipment for water disinfection in treatment plants
	3		···
8.1.8.3	Exhausters	8.3.8.12	Magnetic water treatment
8.1.8.4	Industrial air cleaning systems for machine-tools, forming	8.3.8.13	Degasifying equipment
	machines and production rooms	8.3.8.99	Chemical and physical water treatment – other
8.1.9	Equipment for separation of polluted gaseous substances from	8.3.9	Treatment of household water
	air and combustion products	8.3.9.1	Household water treatment filters
8.1.9.1	Absorptive equipment for the purification of pollutant-loaded air	0.5.5.1	Troubstrota Water dreamfer treets
8.1.9.2	Adsorptive equipment for the purification of pollutant-loaded air	8.3.10	Auxiliary equipment and accessories for water treatment plants
8.1.9.3	Biological equipment for the removal of waste substances from	8.3.11	Turn-key water treatment plants
	pollutant-loaded air	8.3.12	Production of clean and ultra-clean water
8.1.9.4	Catalytic incineration equipment for pollutant-loaded air purity		
8.1.9.5	Thermal equipment for pollutant-loaded air purity	8.3.99	Technology for the treatment of drinking, service
8.1.9.6	Condensation equipment for pollutant-loaded air purity		and technological waters – other
8.1.9.7	Dust recycling equipment for working rooms		
	3 3 1 1	0.7	Water recensive taulie
8.1.9.8	Oil and emulsion fog exhausting equipment	8.4	Water reservoirs, tanks
8.1.9.99	Equipment for separation of polluted gaseous substances from air		
	and combustion products – other	Technology fo	or sewage water treatment plants
8.1.10	Equipment for desulphurization and denitrification	8.5.1	Design of sewage water treatment plants
	of combustion products		,
8.1.11	Combustion product treatment plants for communal	8.5.2	Equipment for mechanical clarification of sewage water
0.1.11	and industrial waste incinerators		
		8.5.2.6	Filters, filtration equipment for sewage water treatment plants
8.1.12	Chimneys and accessories thereof	8.5.2.99	Equipment for mechanical clarification of sewage water – other
8.1.13	Breathing apparatuses and respirators		
		8.5.3	Equipment for biological purification of waste waters
8.1.14	Air-conditioning equipment	8.5.3.1	Aerobic equipment for the purification of sewage waters
8.1.14.1	Air-conditioning units		(aeration, biodisc)
8.1.14.1	3	0 5 2 2	
	Equipment for creating certain climatic conditions	8.5.3.2	Nitrification and denitrification equipment
8.1.14.3	Air moisteners and demoisteners	8.5.3.3	Equipment for removing phosphorus from sewage waters
		8.5.3.4	Biologically active filters
8.1.15	Gas media driers	8.5.3.5	Biodegradation of crude oil substances and their derivatives
8.1.16	Solenoid and pneumatic controlled valves for flow control		in sewage waters
8.1.17	Aerating equipment	8.5.3.6	Anaerobic plants for the purification of sewage waters
8.1.45	Consultancy in air purity protection	8.5.3.99	Equipment for biological purification of sewage waters – other
		۲۶۰۵۰۳۵	Equipment for biological purincation of sewage waters – other
8.1.46	Air purity planning		
8.1.47	Reconstruction and upgrading of equipment for air treatment	8.5.4	Chemical and physical purification of sewage waters
8.1.48	Maintenance and repairs of pollutant-loaded air cleaning	8.5.4.1	Flotation and flocculation units
	equipment	8.5.4.2	Absorption and adsorption equipment for the purification
			of sewage waters
8.1.99	Air-conditioning equipment – other		······ •
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ECOLOGICAL TECHNOLOGY



8.5.4.3	Separators of crude oil substances	8.20.2.8	Waste presses
8.5.4.3.1	Separators of oils, emulsions, diluents	8.20.2.8.1	Waste baling presses
0.5.1.5.1	separations of only, emaisterns, and email	0.20.2.0.1	Huste suting presses
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8.5.4.4	Microfiltration and ultra-filtration units for sewage water	8.20.2.99	Machines and equipment for waste treatment – other
	treatment plants		
8.5.4.5	Units for electrical dialysis	8.20.3	Recovery of raw materials from waste, recycling
8.5.4.6	Reverse osmosis units for the purification of sewage waters	8.20.3.1	Recycling of metal-containing waste
8.5.4.7	Plants with ion exchangers for the purification of sewage waters	8.20.3.2	Recycling of electrotechnical scrap
8.5.4.8	Equipment for disinfection and oxidation of sewage waters	8.20.3.3	Recycling of used cars
8.5.4.9	Thermal equipment for the purification of sewage waters	8.20.3.4	Recycling of used cooling equipment and refrigerators
8.5.4.99	Chemical and physical sewage water purification – other	8.20.3.5	Recycling of plastic waste
		8.20.3.6	Recycling of textile waste
8.5.5	Equipment for sewage sludge processing	8.20.3.7	Recycling of used tyres, rubber
	Bioreactors		
8.5.5.1		8.20.3.8	Recycling of used glass
8.5.5.2	Digestion tanks	8.20.3.9	Recycling of used paper
8.5.5.3	Gas holders for sludge gas	8.20.3.10	Recycling of building debris
8.5.5.4	Equipment for sludge thickening and dewatering	8.20.3.11	Processing of waste from the food industry into animal feed
8.5.5.5	Biogas engines	8.20.3.12	Recycling of pollutant loaded air and gases
8.5.5.6	Equipment for the production of sewage sludge granulation	8.20.3.13	Recycling of liquid waste
0.5.5.0		0.20.3.13	Recycling of liquid waste
	products		
8.5.5.7	Sludge management	8.20.4	Composting lines
8.5.5.8	Transportation and storage of sludge	8.20.5	Fermentation plants
8.5.5.99	Equipment for the processing of sewage – other		
		8.20.6	Thermal processing of waste
8.6	Pumps, blowers, agitators for water management	8.20.6.1	Communal waste incinerators
8.7	Power plants for water management	8.20.6.2	Industrial waste incinerators
8.8	Construction components for water management	8.20.6.3	Hospital waste incinerators
8.9	Chemical products for water treatment and purification	8.20.6.4	Equipment for pyrolysis
Sewage water	treatment plants	8.20.7	Waste storage
semage mater	area arrangements	8.20.7.1	Engineering and geological investigation
0.40.4	6		
8.10.1	Communal sewage treatment plants	8.20.7.2	Design of dumping sites
8.10.2	Industrial sewage water treatment plants	8.20.7.3	Geotextiles
8.10.3	Complete deliveries of sewage treatment plants	8.20.7.4	Insulation and sealing films and materials for dumping
			sites
8.11	Sewerage networks and sewers	8.20.7.5	Tubes for degasification and drainage of dumping sites
8.12	Water reservoirs for water accumulation		Biogas stations
		8.20.7.6	
8.13	Advisory service for water purity protection	8.20.7.7	Weighing equipment for dumping sites
8.14	Reconstruction and upgrading of unsuitable sewage water	8.20.7.8	Monitoring systems for dumping sites
	treatment plants	8.20.7.9	Trenchless drainage of existing dumping sites
8.15	Service and repair of water treatment and sewage plants	8.20.7.10	Operation of dumping sites
	equipment		, , , , , , , , , , , , , , , , , , ,
8.16	Technology for the reduction of technological water	8.20.8	Elimination of waste by solidification
0.10			
	consumption	8.20.9	Elimination of waste by biodegradation
		8.20.10	Hazardous waste elimination technology
Waste process	ing and utilization	8.20.11	Advisory service for waste disposal
		8.20.12	Elaboration of waste management studies
8.20.1	Collection and transportation of waste	8.20.13	Transportation of hazardous waste and substances
8.20.1.1	Waste bins		Comprehensive solutions in waste disposal
		8.20.14	
8.20.1.2	Containers for the collection of communal waste	8.20.15	Complex waste management by own staff to order
8.20.1.3	Containers for the collection of industrial waste	8.20.16	Reduction of waste production
8.20.1.4	Containers and barrels for the collection of hazardous waste		
8.20.1.5	Silos and industrial tanks for waste	8.20.99	Waste processing and utilization – other
8.20.1.6	Hospital waste bins		, 3
		8.21	Soil and landscape protection
8.20.1.7	Mobile and ecological toilets	0.21	Soit and tandscape protection
8.20.1.8	Equipment for waste compaction and compression		
8.20.1.9	Waste loading and handling equipment	Environment-	friendly technologies for and industry
8.20.1.10	Transport equipment for waste transportation	8.22.1	Alternative power sources
8.20.1.11	Complete programme for storing and handling of hazardous	8.22.2	Energy-saving devices and technologies
	materials	8.22.3	Packaging engineering and materials harmless
0.00.1.00		O.LL.S	for the environment
8.20.1.99	Equipment for the collection and transportation of waste –	0.00 /	
	other	8.22.4	Environment-sound chemicals
		8.22.5	Waste free technologies
8.20.2	Machines and equipment for waste treatment	8.22.99	Environment-friendly technologies for industry other
8.20.2.1	High-pressure water cutting and demolition systems		
8.20.2.2	Hydraulic shears	Removal of ol	d environmental burden and consequences
	Cutting mills	of ecological	· ·
8.20.2.3	•	-	
8.20.2.4	Waste crushers	8.25.1	Equipment for the detection of contaminants
8.20.2.5	Bulk transport conveyers and waste feeders		in soil and soil air
8.20.2.6	Waste-storage bins	8.25.2	Equipment for the detection of contaminants in water
8.20.2.7	Waste sorting plants	8.25.3	Hydrogeological research for the detection of bedrock
	J.		contamination



8.50.2.2

8.50.2.3

8.50.2.4

8.50.2.5

8.50.2.6 8.50.2.7 Energy audit elaboration

Investigation of environmental burden

Assessment of project impact on the environment Expert opinions for the State Environmental Fund

Risk analysis

Dispersion studies

ECOLOGICAL TECHNOLOGY

MSV 2026			
8.25.4	Elimination of contaminants from geological environment	8.50.2.8	Projects of ecological business management systems
8.25.5	Cleaning of soils	8.50.2.9	Consultancy in the introduction of ISO 14000 Standards
8.25.6	Maintenance and recultivation of old landfills	8.50.2.10	Advisory service for environmental legislation
8.25.7	Removal of contaminants from ground and underground	8.50.2.11	Legal representation
	waters	8.50.2.12	Patents, licences, know-how in environmental protection
8.25.8	Maintenance of chemical plants	8.50.2.13	Product certification complying with environmental protection
8.25.9	Maintenance of contaminated industrial zones	8.50.2.14	Assessment of environmental damages
8.25.10	Elimination of waste generated in the process of reclamation	8.50.2.15	Financing of environmental projects
8.25.11	Elimination of organic contamination	0.30.2.13	Tillationing of environmental projects
8.25.12	Equipment for signalling ecological disasters	8.50.3	Environment monitoring
8.25.13	Equipment preventing emergency leakage of contaminants	0.30.3	Environment monitoring
8.25.14	Protective clothes and aids for work with hazardous	0.50.7	A savedited testina laboratorios for the consissors
0.23.14	and toxic substances	8.50.4	Accredited testing laboratories for the environment
8.25.15		8.50.4.1	Accredited soil and waste analyses
0.25.15	Advisory service for old environmental burden and ecological	8.50.4.2	Accredited water analyses
0.05.46	incidents	8.50.4.3	Accredited analyses of emissions and air pollution
8.25.16	Decontamination projects		
8.25.99	Removal of old environmental burden and consequences	8.50.5	Environment research
	of ecological incidents – other	8.50.6	Environmental organisations
Noise reduct		8.50.99	Literature, services, research, environmental organisations –
8.30.1	Soundproof insulation materials		other
8.30.2	Sound protection absorption walls and panels		
8.30.3	Sound protection booths, sheaths, walls, barriers	Circular ecor	nomy
8.30.4	Sound mufflers	8.60. 1	Recycling of water, nutrients and energy
8.30.5	Impact and vibration suppressors		contained in it
8.30.6	Soundproof windows	8.60. 2	Recirculation of water in enterprises
8.30.7	Design of sound protection measures	8.60. 3	Application of greywater in construction
8.30.99	Noise reduction – other	8.60. 4	Rain water management systems
		8.60. 5	Energy self-sufficient systems for households
Instrumenta	tion for environment control	8.60. 6	New energy sources
8.33.1	Control and regulating systems for environmental technology		
8.33.2	Instrumentation for air and flue gas analysis	8.60.7	Biogas stations of a new generation
8.33.3	Equipment for ionizing radiation measurements	8.60.8	Circular economy systems for civil engineering
8.33.4	Instrumentation for noise and vibration measurements	8.60. 9	New building materials
8.33.5	Instrumentation for soil analysis	8.60.10	Circular economy systems for waste management
8.33.6	Monitoring in the environmental sector	8.60.11	Innovative sorting systems
8.33.7	Accredited test laboratories	8.60.12	New waste recycling technologies
8.33.8		8.60.13	Materials from waste in general
0.33.0	Production of measuring devices for the environmental sector	8.60.14	Materials from waste flows
0.22.0	to order	8.60.15	Products from secondary raw materials
8.33.9	Complex equipment of laboratories	8.60.16	Digital technologies in circular economy
8.33.10	Hardware and software for environmental protection	8.60.17	Smart systems for effective source usage control
8.33.11	Communication engineering for data transmission	8.60.18	Refurbishment and repair systems
8.33.99	Instrumentation for environment control other	8.60.19	Circular economy services
		8.60.20	Consultancy in the field of circular economy
Machines for	industrial cleaning and washing	8.60.21	Rent of systems and equipment in circular economy
		8.60.22	Circular economy research and development
8.40.1	Cleaning machines	8.60.23	Other circular economy
8.40.2	Baling presses for waste separation and handling		
8.40.3	Industrial cleaning machines		
8.40.3.1	High-pressure cleaning equipment		
8.40.3.2	Ultrasonic washing equipment		
8.40.3.3	Industrial washing tables		
8.40.3.4	Industrial vakuum cleaners		
8.40.4	Sweeping and floor washing machines		
8.40.5	Machines for the cleaning of roads and airports		
	- ,		
8.40.99	Machines for industrial cleaning and washing – other		
	, ,		
Literature, se	ervices, research, environmental organizations		
•	•		
8.50.1	Literature and periodicals on the environment		
Environment			
8.50.2.1	Elaboration of environmental audits		
8 50 2 2	Enorgy audit alaboration		

RESEARCH, DEVELOPMENT, TRANSFER OF TECHNOLOGIES, FINANCIAL AND OTHER SERVICES



Science and I	research	9.2.31 9.2.32	Operation and equipment control FM (Facility Management) services
9.1.1	Basic and applied research	3.L.JL	TH (ractary management) services
9.1.1.1	Research in the field of raw materials and power resources	Organisation	s, institutions
9.1.1.2	Research in the field of materials	9.2.33.1	State authorities, governmental institutions
9.1.1.3	Research in the field of nanotechnologies		
9.1.1.4	Research in the field of physics	9.2.33.2	Non-governmental institutions
9.1.1.5	Research in the field of nuclear engineering	9.2.33.2.1	Chambers of commerce
9.1.1.6	Research in the field of electrical engineering	9.2.33.2.2	Interest unions, interest associations
9.1.1.7	Research in the field of information processing and communication	9.2.33.3	Multinational institutions
9.1.1.8	Research in the field of industrial automation	9.2.33.3.1	European institutions
9.1.1.9	Research in the field of machine and equipment design	9.2.33.3.2	Cooperation and assistance programmes
9.1.1.10	Research in the field of traffic and transport	312.331312	ocoporation and assistance programmes
9.1.1.11	Research in the field of economics and management	9.2.34	Schools
9.1.1.99	Basic and applied research in other technical fields	9.2.99	Services – other
Economic, fi	nancial, advertising and other services, institutions	Offer of indu	strial real estates and localities, regional development
		9.3.1	Land planning
9.2.1	Banks and financial institutions	9.3.2	Programmes for regional development
9.2.2	Financial consulting	9.3.3	Presentation of development and investment plans
9.2.3 9.2.4	Organizational, economic and entrepreneurial consultancy Financing	9.3.4 9.3.5	Technology parks, business centres, free trade areas Offer of development localities for industrial construction
9.2.4	Leasing	9.3.6	Offer of industrial real estates
9.2.6	Insurance	9.3.7	Demand for investors
9.2.7	Export consultancy	9.3.8	Financial institutions, project financing, services
9.2.8	Searching of business contacts abroad	9.3.99	Business and investment activities – other
9.2.9	Assessment of company's financial standing		
9.2.10	Securing import – export		
9.2.11	Representation of foreign companies		
9.2.12	Evaluation of patents, patent representation		
9.2.13	Know-how		
9.2.14	Licensing To do you do		
9.2.15 9.2.16	Trade marks Standards		
9.2.17	Product certification		
9.2.18	Quality certification		
9.2.18.1	Consultancy in the field of introduction of ISO 9 000		
J.L.10.1	and ISO 14 000 Standards		
	- 1		
9.2.19	Take-over tests		
9.2.20	Product and package design		
9.2.21	Marketing		
9.2.21.1	Market research		
9.2.21.2	Market information		
9.2.21.3	Addresses of prospective customers		
9.2.21.4	Information data banks		
9.2.21.5	Direct mailing		
	and publicity services		
9.2.22.1	Advertising articles and gifts		
9.2.22.2 9.2.22.3	Advertising services abroad Advertising printed matter		
9.2.22.4	Internet-based advertising services		
9.2.23	Publishing houses		
9.2.23.1	Specialist newspapers and journals		
9.2.23.2	Specialist publications		
9.2.24	Technical information		
9.2.25 9.2.26	Seminars and special training Support of trading and export		
9.2.27 9.2.27.1	Engineering services Product development		
9.2.28	Technical services		
9.2.29	Testing		
9.2.30	Quality control		



TRANSPORTATION, HANDLING, INDUSTRIAL PACKING, WAREHOUSING AND LOGISTICS

10.1	Ships	Transport an	d lift trucks
10.1.1	Parts and accessories for ships	10.6.1	Truck parts
		10.6.2	Hand trucks
10.2	Aircraft and aero instruments		
10.2.1	Airplane parts and accessories	10.6.3	Battery trucks
10.2.2	Aviation instruments	10.6.3.1	Batteries and accessories for battery trucks
10.2.3	Security aircraft technology		,
	.,3,	10.6.4	Gas-operated trucks
10.2.4	Airport equipment	10.6.5	I.C. engine equipped trucks
10.2.4	7 in port equipment	10.6.6	Driverless trucks, induction trucks
Rail vehicles		10.0.0	Divertess tracks, maaction tracks
Nail Veilicles		10.6.7	Attachments for transport trucks
40.04	B	10.6.7.1	Attachments for high-lift trucks
10.3.1	Parts and accessories for rail vehicles	10.0.7.1	Accacimients for mign-circ crucks
10.3.1.1	Remote control of locomotives		
		10.6.99	Transport and lift trucks – other
10.3.2	Locomotives		
10.3.3	Carriages	10.7	Lifts
10.3.4	Special carriages		
10.3.5	Undercarriages	Transport e	quipment
10.3.6	Tramways		
10.3.90	Overhauls, upgrading and reconstructions	10.8.1	Parts and accessories of transport equipment
	of rail vehicles	10.8.1.1	Conveyer parts and accessories
10.3.91	Turnouts and superstructures		•
		Conveyers fo	r loose materials transport
Cranes		10.8.2.1	Band conveyers
ciunes		10.8.2.2	Worm conveyers
10.4.1	Parts and accessories for cranes	10.8.2.3	Vibratory conveyers
10.4.1.1	Remote control of cranes	10.8.2.4	Chain/Redler conveyers
			Bucket elevators
10.4.1.2	Binding ropes, eyes and hooks	10.8.2.5	
10.4.1.3	Crane tracks	10.8.2.99	Conveyers for loose materials transport – other
10.4.1.4	Suspension equipment	40.00	
		10.8.3	Conveyers for lump materials transport
10.4.2	Bridge cranes	10.8.3.1	Roller conveyers
10.4.3	Crane wagons	10.8.3.2	Wheel conveyers
10.4.4	Tower cranes	10.8.3.3	Ball conveyers
10.4.5	Full-portal gantry cranes	10.8.3.4	Overhead conveyers incl. overhead grooves
10.4.6	Pillar and mast cranes	10.8.3.99	Conveyers for lump materials transport – other
10.4.7	Truck cranes		·
10.4.8	Jib cranes	10.8.4	Pneumatic transport
10.4.9	Bracket cranes	10.8.99	Transport equipment – other
10.4.10	Erecting cranes		
10.4.11	Grab cranes	10.9	Rope conveyers
10.4.12	Telescopic cranes	10.5	Nope conveyers
10.4.12	Cable cranes	Handling of	
		Handling ed	_l urpinent
10.4.14	Rotary cranes	40.40.4	
10.4.15	Metallurgical industrial cranes	10.10.1	Equipment for loading and unloading lump materials
10.4.16	Cranes for works on electrical lines	10.10.1.1	Arm loaders
10.4.17	Cranes for harbours and shipyards	10.10.1.2	Hydraulic arms
10.4.90	Overhauls, upgrading and reconstructions of cranes		
10.4.99	Cranes – other	10.10.2	Equipment for loading and unloading loose materials
Lifting mech	anisms	10.10.3	Transport means
		10.10.3.1	Pallets
10.5.1	Pulley blocks	10.10.3.2	Pallet superstructures
10.5.1.1	Rope pulley blocks	10.10.3.3	Storing cases
10.5.1.2	Chain pulley blocks	10.10.3.4	Crates
	paney	10.10.3.5	Rolltainers
10.5.2	Jacks	10.10.3.6	Containers incl. ISO
10.5.3	Pneumatic lifting mechanisms	10.10.3.7	Containers for the transport of liquids
10.5.5	r neumatic titting mechanisms		· · · ·
10 F 4	Hudraulic lifting machanisms	10.10.3.8 10.10.3.9	Omnitainers Cistern semi-trailers
10.5.4	Hydraulic lifting mechanisms		
10.5.4.1	Hydraulic jacks	10.10.3.99	Transport means – other
		40.10.1	6
10.5.5	Lifting platforms and ramps	10.10.4	Storing and disassembling machines
10.5.6	Lifting electromagnets	10.10.4.1	Palletizing and depalletizing machines
10.5.7	Permanent lifting magnets	10.10.4.2	Stacking and destacking equipment
10.5.8	Hand-operated lifting equipment	10.10.4.9	Storing and disassembling machines – other
10.5.9	Load grasping equipment		-
10.5.10	Winches	10.10.5	Machines for adjusting handling equipment
10.5.11	Vacuum gripping and hoisting devices	10.10.5.1	Bundling equipment
10.5.99	Lifting mechanisms – other		





10.10.5.2			
10.10.5.7	Strapping equipment	10.15.7	Parking systems
10.10.5.2.1	Strappings	10.15.7.1	Automated parking houses
10.10.3.2.1	Scrappings	10.13.7.1	Automateu parking nouses
10.10.5.3	Binding equipment	10.15.8	Warehouse fire and explosion security
10.10.5.3.1	Chain, textile and rope binding means		
		10.15.99	Storing technology and operation equipment – other
10.10.5.4	Baling presses		
10.10.5.5	Handling equipment contour checking devices	10.16	Industrial gates, bolts, automatic and turnstile doors
		10.16.1	
10.10.5.9	Machines for adjusting handling equipment – other	10.10.1	Gate packings and screens
10.10.6	Single purpose and municipal vehicles with superstructures	10.17	CAD, CAM, CIM in transport, handling and assembly
			technology
	Handling aids	10.18	Engineering and design services in transport, handling
10.10.7.1	Hand clamps		and assembly technology
10.10.7.2	Vacuum, magnetic suction equipment		
		Camdaa and us	naivain turnament, handling and accombly technology.
10.10.7.3	Crowbars		pairs in transport, handling and assembly technology
10.10.7.4	Slide rails incl. wagon slide rails	10.19.1	Diagnostics in transport, handling and assembly technology
10.10.7.5	Displacing rollers		
10.10.7.6	Rolling undercarriages	10.19.2	Spare parts for transport, handling and assembly technology
10.10.7.7	Lifting wheels	10.19.2.1	Travelling wheels and rollers
10.10.7.8	Stands	10.19.2.2	Tyres for transport and handling equipment
		10.19.2.2	Tyres for transportantian nanuting equipment
10.10.7.9	Steps		
10.10.7.10	Ladders	10.19.3	Reconstructions and upgrading in transport, handling
10.10.7.99	Handling aids – other		and assembly technology
	•		, 3,
10.10.8	Automated handling systems	10.20	Refurbished transport, handling and assembly technology
		10.20	Kerui bished transport, handling and assembly technology
10.10.9	Container-type transport systems		
		10.21	Technologies for transport, handling and assembly
10.10.99	Handling equipment – other		technology
		10.21.1	Technological projects for transport, handling and assembly
10.11	Scaffolds		technology
		10 21 2	
10.11.1	Mobile scaffolds	10.21.2	Technological supplies for transport, handling and assembly
			technology
10.12	Working, safety and evacuation technology for work		
	at heights	10.22	Execution of investment units for transport, handling
			and assembly technology
Assembly m	achines and equipment		3
7100Cmbty m	acimics and equipment	Packaging mat	erials and packages, packaging mac <mark>hine</mark> s for the industry
	Accessories for assembly machines	10.23.1	Materials for the production of packages
	Accessories for assembly machines		
10.13.1		10.23.1	Platerials for the production of packages
10.13.1 10.13.2	Assembly machines		
		10.23.2	Packages for industrial packaging
10.13.2 10.13.3	Assembly machines Assembly lines	10.23.2	Packages for industrial packaging
10.13.2	Assembly machines	10.23.2 10.23.2.1	Packages for industrial packaging Anticorrosive paper
10.13.2 10.13.3 10.13.3.1	Assembly machines Assembly lines Benches for assembly lines	10.23.2 10.23.2.1 10.23.3	Packages for industrial packaging Anticorrosive paper Packing machines and equipment
10.13.2 10.13.3 10.13.3.1 10.13.4	Assembly machines Assembly lines Benches for assembly lines Unit-construction assembly lines	10.23.2 10.23.2.1 10.23.3 10.23.3.1	Packages for industrial packaging Anticorrosive paper Packing machines and equipment Barrier film packaging machines
10.13.2 10.13.3 10.13.3.1 10.13.4 10.13.5	Assembly machines Assembly lines Benches for assembly lines Unit-construction assembly lines Assembly controls	10.23.2 10.23.2.1 10.23.3 10.23.3.1 10.23.3.2	Packages for industrial packaging Anticorrosive paper Packing machines and equipment Barrier film packaging machines Machines for container forming, filling and sealing
10.13.2 10.13.3 10.13.3.1 10.13.4	Assembly machines Assembly lines Benches for assembly lines Unit-construction assembly lines	10.23.2 10.23.2.1 10.23.3 10.23.3.1	Packages for industrial packaging Anticorrosive paper Packing machines and equipment Barrier film packaging machines
10.13.2 10.13.3 10.13.3.1 10.13.4 10.13.5	Assembly machines Assembly lines Benches for assembly lines Unit-construction assembly lines Assembly controls	10.23.2 10.23.2.1 10.23.3 10.23.3.1 10.23.3.2	Packages for industrial packaging Anticorrosive paper Packing machines and equipment Barrier film packaging machines Machines for container forming, filling and sealing
10.13.2 10.13.3 10.13.3.1 10.13.4 10.13.5 10.13.6	Assembly machines Assembly lines Benches for assembly lines Unit-construction assembly lines Assembly controls Assembly riveting machines Automatic and control instruments for assembly machines and	10.23.2 10.23.2.1 10.23.3 10.23.3.1 10.23.3.2	Packages for industrial packaging Anticorrosive paper Packing machines and equipment Barrier film packaging machines Machines for container forming, filling and sealing
10.13.2 10.13.3 10.13.3.1 10.13.4 10.13.5 10.13.6	Assembly machines Assembly lines Benches for assembly lines Unit-construction assembly lines Assembly controls Assembly riveting machines	10.23.2 10.23.2.1 10.23.3 10.23.3.1 10.23.3.2 10.23.3.3	Packages for industrial packaging Anticorrosive paper Packing machines and equipment Barrier film packaging machines Machines for container forming, filling and sealing Group packaging machines Marking machines and equipment for packaging
10.13.2 10.13.3 10.13.3.1 10.13.4 10.13.5 10.13.6 10.13.7	Assembly machines Assembly lines Benches for assembly lines Unit-construction assembly lines Assembly controls Assembly riveting machines Automatic and control instruments for assembly machines and equipment	10.23.2 10.23.2.1 10.23.3 10.23.3.1 10.23.3.2 10.23.3.3 10.23.4 10.23.5	Packages for industrial packaging Anticorrosive paper Packing machines and equipment Barrier film packaging machines Machines for container forming, filling and sealing Group packaging machines Marking machines and equipment for packaging Turn-key packaging solutions
10.13.2 10.13.3 10.13.3.1 10.13.4 10.13.5 10.13.6	Assembly machines Assembly lines Benches for assembly lines Unit-construction assembly lines Assembly controls Assembly riveting machines Automatic and control instruments for assembly machines and	10.23.2 10.23.2.1 10.23.3 10.23.3.1 10.23.3.2 10.23.3.3 10.23.4 10.23.5 10.23.6	Packages for industrial packaging Anticorrosive paper Packing machines and equipment Barrier film packaging machines Machines for container forming, filling and sealing Group packaging machines Marking machines and equipment for packaging Turn-key packaging solutions Custom-made packaging
10.13.2 10.13.3 10.13.3.1 10.13.4 10.13.5 10.13.6 10.13.7	Assembly machines Assembly lines Benches for assembly lines Unit-construction assembly lines Assembly controls Assembly riveting machines Automatic and control instruments for assembly machines and equipment Assembly machines and equipment – other	10.23.2 10.23.2.1 10.23.3 10.23.3.1 10.23.3.2 10.23.3.3 10.23.4 10.23.5	Packages for industrial packaging Anticorrosive paper Packing machines and equipment Barrier film packaging machines Machines for container forming, filling and sealing Group packaging machines Marking machines and equipment for packaging Turn-key packaging solutions Custom-made packaging Packaging materials and packages, packaging machines
10.13.2 10.13.3 10.13.3.1 10.13.4 10.13.5 10.13.6 10.13.7	Assembly machines Assembly lines Benches for assembly lines Unit-construction assembly lines Assembly controls Assembly riveting machines Automatic and control instruments for assembly machines and equipment Assembly machines and equipment – other Assembly and handling robots for industrial production	10.23.2 10.23.2.1 10.23.3 10.23.3.1 10.23.3.2 10.23.3.3 10.23.4 10.23.5 10.23.6	Packages for industrial packaging Anticorrosive paper Packing machines and equipment Barrier film packaging machines Machines for container forming, filling and sealing Group packaging machines Marking machines and equipment for packaging Turn-key packaging solutions Custom-made packaging
10.13.2 10.13.3 10.13.3.1 10.13.4 10.13.5 10.13.6 10.13.7	Assembly machines Assembly lines Benches for assembly lines Unit-construction assembly lines Assembly controls Assembly riveting machines Automatic and control instruments for assembly machines and equipment Assembly machines and equipment – other	10.23.2 10.23.2.1 10.23.3 10.23.3.1 10.23.3.2 10.23.3.3 10.23.4 10.23.5 10.23.6	Packages for industrial packaging Anticorrosive paper Packing machines and equipment Barrier film packaging machines Machines for container forming, filling and sealing Group packaging machines Marking machines and equipment for packaging Turn-key packaging solutions Custom-made packaging Packaging materials and packages, packaging machines
10.13.2 10.13.3 10.13.3.1 10.13.4 10.13.5 10.13.6 10.13.7	Assembly machines Assembly lines Benches for assembly lines Unit-construction assembly lines Assembly controls Assembly riveting machines Automatic and control instruments for assembly machines and equipment Assembly machines and equipment – other Assembly and handling robots for industrial production	10.23.2 10.23.2.1 10.23.3 10.23.3.1 10.23.3.2 10.23.3.3 10.23.4 10.23.5 10.23.6 10.23.9	Packages for industrial packaging Anticorrosive paper Packing machines and equipment Barrier film packaging machines Machines for container forming, filling and sealing Group packaging machines Marking machines and equipment for packaging Turn-key packaging solutions Custom-made packaging Packaging materials and packages, packaging machines for the industry – other
10.13.2 10.13.3 10.13.3.1 10.13.4 10.13.5 10.13.6 10.13.7 10.13.99 10.14 10.14.1	Assembly lines Benches for assembly lines Unit-construction assembly lines Assembly controls Assembly riveting machines Automatic and control instruments for assembly machines and equipment Assembly machines and equipment – other Assembly and handling robots for industrial production Robot peripherals and accessories	10.23.2 10.23.2.1 10.23.3 10.23.3.1 10.23.3.2 10.23.3.3 10.23.4 10.23.5 10.23.6 10.23.9	Packages for industrial packaging Anticorrosive paper Packing machines and equipment Barrier film packaging machines Machines for container forming, filling and sealing Group packaging machines Marking machines and equipment for packaging Turn-key packaging solutions Custom-made packaging Packaging materials and packages, packaging machines
10.13.2 10.13.3 10.13.3.1 10.13.4 10.13.5 10.13.6 10.13.7 10.13.99 10.14 10.14.1	Assembly machines Assembly lines Benches for assembly lines Unit-construction assembly lines Assembly controls Assembly riveting machines Automatic and control instruments for assembly machines and equipment Assembly machines and equipment – other Assembly and handling robots for industrial production	10.23.2 10.23.2.1 10.23.3 10.23.3.1 10.23.3.2 10.23.3.3 10.23.4 10.23.5 10.23.6 10.23.9 Services by o	Packages for industrial packaging Anticorrosive paper Packing machines and equipment Barrier film packaging machines Machines for container forming, filling and sealing Group packaging machines Marking machines and equipment for packaging Turn-key packaging solutions Custom-made packaging Packaging materials and packages, packaging machines for the industry – other carriers and forwarding agents
10.13.2 10.13.3 10.13.3.1 10.13.4 10.13.5 10.13.6 10.13.7 10.13.99 10.14 10.14.1 Storing tech	Assembly lines Benches for assembly lines Unit-construction assembly lines Assembly controls Assembly riveting machines Automatic and control instruments for assembly machines and equipment Assembly machines and equipment – other Assembly and handling robots for industrial production Robot peripherals and accessories unology and operation equipment	10.23.2 10.23.2.1 10.23.3 10.23.3.1 10.23.3.2 10.23.3.3 10.23.4 10.23.5 10.23.6 10.23.9 Services by 0	Packages for industrial packaging Anticorrosive paper Packing machines and equipment Barrier film packaging machines Machines for container forming, filling and sealing Group packaging machines Marking machines and equipment for packaging Turn-key packaging solutions Custom-made packaging Packaging materials and packages, packaging machines for the industry – other carriers and forwarding agents Domestic freight traffic
10.13.2 10.13.3 10.13.3.1 10.13.4 10.13.5 10.13.6 10.13.7 10.13.99 10.14 10.14.1 Storing tech	Assembly lines Benches for assembly lines Unit-construction assembly lines Assembly controls Assembly riveting machines Automatic and control instruments for assembly machines and equipment Assembly machines and equipment – other Assembly and handling robots for industrial production Robot peripherals and accessories anology and operation equipment Shelves	10.23.2 10.23.2.1 10.23.3 10.23.3.1 10.23.3.2 10.23.3.3 10.23.4 10.23.5 10.23.6 10.23.9 Services by o	Packages for industrial packaging Anticorrosive paper Packing machines and equipment Barrier film packaging machines Machines for container forming, filling and sealing Group packaging machines Marking machines and equipment for packaging Turn-key packaging solutions Custom-made packaging Packaging materials and packages, packaging machines for the industry – other carriers and forwarding agents
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10.28.2

10.28.3

Technical information in logistics

Consultancy in transport and distribution

TRANSPORTATION, HANDLING, INDUSTRIAL PACKING, WAREHOUSING AND LOGISTICS

MSV 2026 .			
10.24.99	Sandras by carriers and forwarding agents ather	10.28.4	Concultancy in cuctoms affairs
10.24.99	Services by carriers and forwarding agents – other		Consultancy in customs affairs
		10.28.5	Consultancy in dangerous loads transport
Freight termin	nals	10.28.6	Drivers' training
		10.28.7	Services for railway engineering
10.25.1	Airports	10.28.8	Consultancy in organizing assembly lines
10.25.2	Harbours	10.28.9	Logistic system audit
10.25.3	Container transshipment terminal	10.28.10	Training, education and requalification in logistics
10.25.5	container transsmpment terminat		and transport
10.25.4	Logistic (distribution) contars areals	10.28.11	Customer solutions of storing equipment
	Logistic (distribution) centers, areals	10.28.12	Design of logistic systems
10.25.4.1	Logistic providers	10.28.13	Reengineering of logistic systems
Services in t	ransport	10.28.14	Outsourcing of logistic systems
10.26.1	Services for truck crews abroad	10.28.15	Turnkey supplies of logistic systems
10.26.2	Insurance in transport	10.28.16	Finance and insurance in logistics and transport
10.26.3	Postal services	10.28.17	Information and service equipment for passengers' transpor
10.26.4	Providing permits for special load transport abroad	10.28.18	Security services in storage and transport
10.26.5	Banking services in transport	10.28.99	Literature, consultancy, training, service in transport
10.26.99	Services in transport – other		and logistics – other
10.20.55	Services in dunsport other		•
Tolomatics (communication, information and control systems	10.29	Research and development in logistics and transport
	communication, miormation and control systems	10.30	Organizations, associations, unions for logistics and transpor
in logistics			
10 27 1	Drinting Inhalling and marking agricument		
10.27.1	Printing, labelling and marking equipment		
10.27.1.1	Bar code printers		
	B . H		
10.27.2	Data collecting equipment		
10.27.2.1	Data collecting terminals		
10.27.3	Communication equipment for storage rooms and logistics		
10 27 /	, ,		
10.27.4	Identification equipment and systems		
10.27.4.1	Bar code based identification equipment and systems		
10.27.4.2	RFID based identification equipment and systems		
10.27.4.3	RTLS (Real Time Location Systems) and their accessories		
10 27 5	Dachboard DCc and their nevinborals		
10.27.5	Dashboard PCs and their peripherals		
10.27.6	GPS (Global Positioning System)		
10.27.7	Navigation systems		
10.27.8	Systems for tracing vehicle movement		
10.27.9	Satellite systems for truck traffic control		
10.27.10	Geographic information systems (GIS)		
10.27.11	Software for transport, storage and materials handling		
10.27.11.1	Application software for transport and forwarding		
10 27 11 2	Application coftware for any initiation		
10.27.11.2	Application software for provisioning		
10.27.11.2.1	Software for controlling material and commodity flows		
10.27.11.3	Application software for managing storage rooms		
10.27.11.4	WMS (Warehouse Management Systems) for real time		
	management		
10.27.11.9	Software for transport, storage and materials handling – other		
10.27.12	Software for label printing		
10 27 42	Coffugue for entermine		
10.27.13	Software for enterprise resource planning – ERP		
10.27.13.1	Software for Business Intelligence (BI)		
10.27.13.2	Software for supply chain management – SCM		
10.27.13.3	Software for customer relationship management – CRM		
10.27.13.4	Software for order flow management and for production automation		
10.27.99	Telematics, communication, information and control		
	systems for logistics – other		
Literature, co	nsultancy, training, service in transport and logistics		
10.28.1	Professional literature and periodicals for transport and logistics		
10.28.2	Technical information in logistics		

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14TH INTERNATIONAL MACHINE TOOLS EXHIBITION

11.1.1.1 Lathes		OLS	11.1.5.5	Vertical bed type milling machines
11.1.1 Lathes			11.1.5.6	Universal bed type milling machines
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11.1.10.10	Centreless grinding machines	11.1.14.12	Polishing machines – other
11.1.10.11	Copying grinding machines	11.1.14.13	Electromechanical deburring machines
11.1.10.12	High speed grinding machines	11.1.14.14	Thermal deburring machines
11.1.10.13	Abrasive band grinding machines	11.1.14.15	Ultrasonic polishing machines
11.1.10.14	Double-spindle surface-grinding machines		
11.1.10.15	Jig grinding machines	11.1.15	Special production machines and modular units
11.1.10.16	Automatic grinding machines with tool magazine (grinding centres)	11.1.15.1	Special production machines with rotating tools
	3 3 ,	11.1.15.2	Rotary indexing table machines
11.1.11	Special purpose grinding machines	11.1.15.3	Positioning units with rotary table and drum
11.1.11.1	Electrolytic grinding machines	11.1.15.4	Transfer lines
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11.1.11.3	Profile grinding machines	11.1.15.6	Turning units
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11.1.11.5	Oval grinding machines	11.1.15.8	Milling units
11.1.11.6	Polygon grinding machines	11.1.15.9	Special modular units – other
11.1.11.7	Spline shaft grinding machines	11.1.15.10	Finishing machines – centring and end facing
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11.1.11.9	Centre hole grinding machines	11.1.16	Electroerosion machine tools
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			Spark erosion cutting machines Spark erosion boring machines
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11.1.11.17	Roller bearing race grinding machines	11 1 17	Lassy mashina taala
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11.1.11.99	Grinding machines special – other	11.1.17.1	Laser tube and profile processing machine tools
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11.1.12.1	Universal tool and cutter grinding machines	44.4.0	
11.1.12.2	Single point cutting tool sharpening machines	11.1.18	Machine tools with parallel kinematic structure
11.1.12.3	Carbide tool sharpening machines	11.1.19	Micro-machine tools
11.1.12.4	Broaching tool sharpening machines		
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11.1.12.7 11.1.12.8 11.1.12.9 11.1.12.10 11.1.12.11 11.1.12.12	Sharpening machines for saw blades Gear cutting tool sharpening machines Tap grinding machines Tool sharpening and lapping machines Threading die and chaser grinding machines Milling head sharpening machines	11.2.1 11.2.1.1 11.2.1.2 11.2.1.3	Mechanical presses Open gap non-inclinable eccentric presses Inclinable eccentric presses Straight sided presses
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11.1.12.7 11.1.12.8 11.1.12.9 11.1.12.10 11.1.12.11 11.1.12.12 11.1.12.13 11.1.12.14	Sharpening machines for saw blades Gear cutting tool sharpening machines Tap grinding machines Tool sharpening and lapping machines Threading die and chaser grinding machines Milling head sharpening machines Shear blade and machine knife sharpening machines Swing-frame grinding machines	11.2.1 11.2.1.1 11.2.1.2 11.2.1.3 11.2.1.4 11.2.1.5	Mechanical presses Open gap non-inclinable eccentric presses Inclinable eccentric presses Straight sided presses Two-point crank presses Toggle lever presses
11.1.12.7 11.1.12.8 11.1.12.9 11.1.12.10 11.1.12.11 11.1.12.12 11.1.12.13	Sharpening machines for saw blades Gear cutting tool sharpening machines Tap grinding machines Tool sharpening and lapping machines Threading die and chaser grinding machines Milling head sharpening machines Shear blade and machine knife sharpening machines	11.2.1 11.2.1.1 11.2.1.2 11.2.1.3 11.2.1.4 11.2.1.5 11.2.1.6	Mechanical presses Open gap non-inclinable eccentric presses Inclinable eccentric presses Straight sided presses Two-point crank presses Toggle lever presses Crank presses
11.1.12.7 11.1.12.8 11.1.12.9 11.1.12.10 11.1.12.11 11.1.12.12 11.1.12.13 11.1.12.14	Sharpening machines for saw blades Gear cutting tool sharpening machines Tap grinding machines Tool sharpening and lapping machines Threading die and chaser grinding machines Milling head sharpening machines Shear blade and machine knife sharpening machines Swing-frame grinding machines Tool grinding and sharpening machines – other	11.2.1 11.2.1.1 11.2.1.2 11.2.1.3 11.2.1.4 11.2.1.5	Mechanical presses Open gap non-inclinable eccentric presses Inclinable eccentric presses Straight sided presses Two-point crank presses Toggle lever presses Crank presses Transfer presses
11.1.12.7 11.1.12.8 11.1.12.9 11.1.12.10 11.1.12.11 11.1.2.12 11.1.12.13 11.1.12.14 11.1.12.99	Sharpening machines for saw blades Gear cutting tool sharpening machines Tap grinding machines Tool sharpening and lapping machines Threading die and chaser grinding machines Milling head sharpening machines Shear blade and machine knife sharpening machines Swing-frame grinding machines Tool grinding and sharpening machines – other Abrasives	11.2.1 11.2.1.1 11.2.1.2 11.2.1.3 11.2.1.4 11.2.1.5 11.2.1.6 11.2.1.7 11.2.1.8	Mechanical presses Open gap non-inclinable eccentric presses Inclinable eccentric presses Straight sided presses Two-point crank presses Toggle lever presses Crank presses Transfer presses Mechanical table presses
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11.1.12.7 11.1.12.8 11.1.12.9 11.1.12.10 11.1.12.11 11.1.2.12 11.1.12.13 11.1.12.14 11.1.12.99	Sharpening machines for saw blades Gear cutting tool sharpening machines Tap grinding machines Tool sharpening and lapping machines Threading die and chaser grinding machines Milling head sharpening machines Shear blade and machine knife sharpening machines Swing-frame grinding machines Tool grinding and sharpening machines – other Abrasives Bonded abrasives Coated abrasives	11.2.1 11.2.1.1 11.2.1.2 11.2.1.3 11.2.1.4 11.2.1.5 11.2.1.6 11.2.1.7 11.2.1.8 11.2.1.9 11.2.1.10	Mechanical presses Open gap non-inclinable eccentric presses Inclinable eccentric presses Straight sided presses Two-point crank presses Toggle lever presses Crank presses Transfer presses Mechanical table presses High-duty mechanical presses with automatic feed Friction screw presses
11.1.12.7 11.1.12.8 11.1.12.9 11.1.12.10 11.1.12.11 11.1.2.12 11.1.12.13 11.1.12.14 11.1.12.99 11.1.13 11.1.13.1	Sharpening machines for saw blades Gear cutting tool sharpening machines Tap grinding machines Tool sharpening and lapping machines Threading die and chaser grinding machines Milling head sharpening machines Shear blade and machine knife sharpening machines Swing-frame grinding machines Tool grinding and sharpening machines – other Abrasives Bonded abrasives	11.2.1 11.2.1.1 11.2.1.2 11.2.1.3 11.2.1.4 11.2.1.5 11.2.1.6 11.2.1.7 11.2.1.8 11.2.1.9	Mechanical presses Open gap non-inclinable eccentric presses Inclinable eccentric presses Straight sided presses Two-point crank presses Toggle lever presses Crank presses Transfer presses Mechanical table presses High-duty mechanical presses with automatic feed
11.1.12.7 11.1.12.8 11.1.12.9 11.1.12.10 11.1.12.11 11.1.12.12 11.1.12.13 11.1.12.14 11.1.12.99 11.1.13 11.1.13.1 11.1.13.1	Sharpening machines for saw blades Gear cutting tool sharpening machines Tap grinding machines Tool sharpening and lapping machines Threading die and chaser grinding machines Milling head sharpening machines Shear blade and machine knife sharpening machines Swing-frame grinding machines Tool grinding and sharpening machines – other Abrasives Bonded abrasives Coated abrasives	11.2.1 11.2.1.1 11.2.1.2 11.2.1.3 11.2.1.4 11.2.1.5 11.2.1.6 11.2.1.7 11.2.1.8 11.2.1.9 11.2.1.10	Mechanical presses Open gap non-inclinable eccentric presses Inclinable eccentric presses Straight sided presses Two-point crank presses Toggle lever presses Crank presses Transfer presses Mechanical table presses High-duty mechanical presses with automatic feed Friction screw presses
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11.1.12.7 11.1.12.8 11.1.12.9 11.1.12.10 11.1.12.11 11.1.12.12 11.1.12.13 11.1.12.14 11.1.12.99 11.1.13 11.1.13.1 11.1.13.1 11.1.13.2 11.1.13.3 11.1.13.4	Sharpening machines for saw blades Gear cutting tool sharpening machines Tap grinding machines Tool sharpening and lapping machines Threading die and chaser grinding machines Milling head sharpening machines Shear blade and machine knife sharpening machines Swing-frame grinding machines Tool grinding and sharpening machines – other Abrasives Bonded abrasives Coated abrasives Grinding and polishing pastes Abrasive products with diamond	11.2.1 11.2.1.1 11.2.1.2 11.2.1.3 11.2.1.4 11.2.1.5 11.2.1.6 11.2.1.7 11.2.1.8 11.2.1.9 11.2.1.10 11.2.1.11 11.2.1.12 11.2.1.12	Mechanical presses Open gap non-inclinable eccentric presses Inclinable eccentric presses Straight sided presses Two-point crank presses Toggle lever presses Crank presses Crank presses Mechanical table presses High-duty mechanical presses with automatic feed Friction screw presses Fly presses Mechanical column presses Embossing/stamping presses Geared drawing presses Hand lever presses
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11.1.12.7 11.1.12.8 11.1.12.9 11.1.12.10 11.1.12.11 11.1.12.12 11.1.12.13 11.1.12.14 11.1.12.99 11.1.3 11.1.13.1 11.1.13.1 11.1.13.2 11.1.13.3 11.1.13.4	Sharpening machines for saw blades Gear cutting tool sharpening machines Tap grinding machines Tool sharpening and lapping machines Threading die and chaser grinding machines Milling head sharpening machines Shear blade and machine knife sharpening machines Swing-frame grinding machines Tool grinding and sharpening machines – other Abrasives Bonded abrasives Coated abrasives Grinding and polishing pastes Abrasive products with diamond Grinding and polishing wheels, discs and belts	11.2.1 11.2.1.1 11.2.1.2 11.2.1.3 11.2.1.4 11.2.1.5 11.2.1.6 11.2.1.7 11.2.1.8 11.2.1.9 11.2.1.10 11.2.1.11 11.2.1.12 11.2.1.12 11.2.1.13 11.2.1.14 11.2.1.15	Mechanical presses Open gap non-inclinable eccentric presses Inclinable eccentric presses Straight sided presses Two-point crank presses Toggle lever presses Crank presses Crank presses Mechanical table presses High-duty mechanical presses with automatic feed Friction screw presses Fly presses Mechanical column presses Embossing/stamping presses Geared drawing presses Hand lever presses Wide frame crank drawing presses Four-point drawing presses
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11.1.12.7 11.1.12.8 11.1.12.9 11.1.12.10 11.1.12.11 11.1.2.12 11.1.12.13 11.1.12.14 11.1.12.99 11.1.13 11.1.13.1 11.1.13.2 11.1.13.3 11.1.13.4 11.1.13.5 11.1.13.5 11.1.13.6 11.1.13.7 11.1.13.8	Sharpening machines for saw blades Gear cutting tool sharpening machines Tap grinding machines Tool sharpening and lapping machines Threading die and chaser grinding machines Milling head sharpening machines Shear blade and machine knife sharpening machines Swing-frame grinding machines Tool grinding and sharpening machines – other Abrasives Bonded abrasives Coated abrasives Grinding and polishing pastes Abrasive products with diamond Grinding and polishing wheels, discs and belts Flexible grinders Synthetic diamond powder Superfinishing materials Blast media	11.2.1 11.2.1.1 11.2.1.2 11.2.1.3 11.2.1.4 11.2.1.5 11.2.1.6 11.2.1.7 11.2.1.8 11.2.1.9 11.2.1.10 11.2.1.11 11.2.1.12 11.2.1.13 11.2.1.14 11.2.1.15 11.2.1.16 11.2.1.17 11.2.1.18 11.2.1.19 11.2.1.19 11.2.1.19	Mechanical presses Open gap non-inclinable eccentric presses Inclinable eccentric presses Straight sided presses Two-point crank presses Toggle lever presses Crank presses Transfer presses Mechanical table presses High-duty mechanical presses with automatic feed Friction screw presses Fly presses Mechanical column presses Embossing/stamping presses Geared drawing presses Hand lever presses Wide frame crank drawing presses Four-point drawing presses Turntable mechanical presses Calibrating presses Fine blanking presses
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11.1.12.7 11.1.12.8 11.1.12.9 11.1.12.10 11.1.12.11 11.1.2.12 11.1.12.13 11.1.12.14 11.1.12.99 11.1.13 11.1.13.1 11.1.13.2 11.1.13.3 11.1.13.4 11.1.13.5 11.1.13.5 11.1.13.6 11.1.13.7 11.1.13.8 11.1.13.99 11.1.14	Sharpening machines for saw blades Gear cutting tool sharpening machines Tap grinding machines Tool sharpening and lapping machines Threading die and chaser grinding machines Milling head sharpening machines Shear blade and machine knife sharpening machines Swing-frame grinding machines Tool grinding and sharpening machines – other Abrasives Bonded abrasives Coated abrasives Grinding and polishing pastes Abrasive products with diamond Grinding and polishing wheels, discs and belts Flexible grinders Synthetic diamond powder Superfinishing materials Blast media Grinding tools and accessories – other Honing, lapping, polishing and deburring machines	11.2.1 11.2.1.1 11.2.1.2 11.2.1.3 11.2.1.4 11.2.1.5 11.2.1.6 11.2.1.7 11.2.1.8 11.2.1.9 11.2.1.10 11.2.1.11 11.2.1.12 11.2.1.13 11.2.1.14 11.2.1.15 11.2.1.16 11.2.1.17 11.2.1.18 11.2.1.19 11.2.1.19	Mechanical presses Open gap non-inclinable eccentric presses Inclinable eccentric presses Straight sided presses Two-point crank presses Toggle lever presses Crank presses Transfer presses Mechanical table presses High-duty mechanical presses with automatic feed Friction screw presses Fly presses Mechanical column presses Embossing/stamping presses Geared drawing presses Hand lever presses Wide frame crank drawing presses Four-point drawing presses Turntable mechanical presses Calibrating presses Fine blanking presses Special purpose mechanical presses – other
11.1.12.7 11.1.12.8 11.1.12.9 11.1.12.10 11.1.12.11 11.1.2.12 11.1.12.13 11.1.12.14 11.1.12.99 11.1.13 11.1.13.1 11.1.13.2 11.1.13.3 11.1.13.5 11.1.13.5 11.1.13.6 11.1.13.7 11.1.13.8 11.1.13.99 11.1.14 11.1.14.1	Sharpening machines for saw blades Gear cutting tool sharpening machines Tap grinding machines Tool sharpening and lapping machines Threading die and chaser grinding machines Milling head sharpening machines Shear blade and machine knife sharpening machines Swing-frame grinding machines Tool grinding and sharpening machines – other Abrasives Bonded abrasives Coated abrasives Grinding and polishing pastes Abrasive products with diamond Grinding and polishing wheels, discs and belts Flexible grinders Synthetic diamond powder Superfinishing materials Blast media Grinding tools and accessories – other Honing, lapping, polishing and deburring machines Honing machines	11.2.1 11.2.1.1 11.2.1.2 11.2.1.3 11.2.1.4 11.2.1.5 11.2.1.6 11.2.1.7 11.2.1.8 11.2.1.9 11.2.1.10 11.2.1.11 11.2.1.12 11.2.1.13 11.2.1.14 11.2.1.15 11.2.1.16 11.2.1.17 11.2.1.18 11.2.1.19 11.2.1.19 11.2.1.20 11.2.1.99	Mechanical presses Open gap non-inclinable eccentric presses Inclinable eccentric presses Straight sided presses Two-point crank presses Toggle lever presses Crank presses Transfer presses Mechanical table presses High-duty mechanical presses with automatic feed Friction screw presses Fly presses Mechanical column presses Embossing/stamping presses Geared drawing presses Hand lever presses Wide frame crank drawing presses Four-point drawing presses Turntable mechanical presses Calibrating presses Fine blanking presses Special purpose mechanical presses – other Hydraulic presses
11.1.12.7 11.1.12.8 11.1.12.9 11.1.12.10 11.1.12.11 11.1.2.12 11.1.12.13 11.1.12.14 11.1.12.99 11.1.13 11.1.13.1 11.1.13.2 11.1.13.3 11.1.13.5 11.1.13.5 11.1.13.6 11.1.13.7 11.1.13.8 11.1.13.99 11.1.14 11.1.14.1	Sharpening machines for saw blades Gear cutting tool sharpening machines Tap grinding machines Tool sharpening and lapping machines Threading die and chaser grinding machines Milling head sharpening machines Shear blade and machine knife sharpening machines Swing-frame grinding machines Tool grinding and sharpening machines – other Abrasives Bonded abrasives Coated abrasives Grinding and polishing pastes Abrasive products with diamond Grinding and polishing wheels, discs and belts Flexible grinders Synthetic diamond powder Superfinishing materials Blast media Grinding tools and accessories – other Honing, lapping, polishing and deburring machines Honing machines Cylinder honing machines	11.2.1 11.2.1.1 11.2.1.2 11.2.1.3 11.2.1.4 11.2.1.5 11.2.1.6 11.2.1.7 11.2.1.8 11.2.1.9 11.2.1.10 11.2.1.11 11.2.1.12 11.2.1.13 11.2.1.14 11.2.1.15 11.2.1.16 11.2.1.17 11.2.1.18 11.2.1.19 11.2.1.19 11.2.1.19 11.2.1.99	Mechanical presses Open gap non-inclinable eccentric presses Inclinable eccentric presses Straight sided presses Two-point crank presses Toggle lever presses Crank presses Transfer presses Mechanical table presses High-duty mechanical presses with automatic feed Friction screw presses Fly presses Mechanical column presses Embossing/stamping presses Geared drawing presses Hand lever presses Wide frame crank drawing presses Four-point drawing presses Turntable mechanical presses Calibrating presses Fine blanking presses Special purpose mechanical presses – other Hydraulic presses Double-action presses
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11.1.12.7 11.1.12.8 11.1.12.9 11.1.12.10 11.1.12.11 11.1.12.12 11.1.12.13 11.1.12.14 11.1.12.99 11.1.3 11.1.13.1 11.1.13.5 11.1.13.5 11.1.13.6 11.1.13.7 11.1.13.8 11.1.13.8 11.1.13.99 11.1.14 11.1.14.1 11.1.14.1	Sharpening machines for saw blades Gear cutting tool sharpening machines Tap grinding machines Tool sharpening and lapping machines Threading die and chaser grinding machines Milling head sharpening machines Shear blade and machine knife sharpening machines Swing-frame grinding machines Tool grinding and sharpening machines – other Abrasives Bonded abrasives Coated abrasives Grinding and polishing pastes Abrasive products with diamond Grinding and polishing wheels, discs and belts Flexible grinders Synthetic diamond powder Superfinishing materials Blast media Grinding tools and accessories – other Honing, lapping, polishing and deburring machines Honing machines Cylinder honing machines Surface lapping and cylindrical lapping machines Lapping machines, abrasive belt	11.2.1 11.2.1.1 11.2.1.2 11.2.1.3 11.2.1.4 11.2.1.5 11.2.1.6 11.2.1.7 11.2.1.8 11.2.1.9 11.2.1.10 11.2.1.11 11.2.1.12 11.2.1.13 11.2.1.14 11.2.1.15 11.2.1.16 11.2.1.17 11.2.1.18 11.2.1.19 11.2.1.19 11.2.1.20 11.2.1.99	Mechanical presses Open gap non-inclinable eccentric presses Inclinable eccentric presses Straight sided presses Two-point crank presses Toggle lever presses Crank presses Transfer presses Mechanical table presses High-duty mechanical presses with automatic feed Friction screw presses Fly presses Mechanical column presses Embossing/stamping presses Geared drawing presses Hand lever presses Wide frame crank drawing presses Four-point drawing presses Calibrating presses Calibrating presses Fine blanking presses Special purpose mechanical presses – other Hydraulic presses Double-action presses Double-and four-column hydraulic presses Wide frame drawing presses Hydraulic transfer presses
11.1.12.7 11.1.12.8 11.1.12.9 11.1.12.10 11.1.12.11 11.1.12.12 11.1.12.13 11.1.12.14 11.1.12.99 11.1.3 11.1.13.1 11.1.13.5 11.1.13.5 11.1.13.5 11.1.13.6 11.1.13.7 11.1.13.8 11.1.13.8 11.1.13.99 11.1.14 11.1.14.1 11.1.14.1 11.1.14.2 11.1.14.3 11.1.14.4 11.1.14.5 11.1.14.6	Sharpening machines for saw blades Gear cutting tool sharpening machines Tap grinding machines Tool sharpening and lapping machines Threading die and chaser grinding machines Milling head sharpening machines Shear blade and machine knife sharpening machines Swing-frame grinding machines Tool grinding and sharpening machines – other Abrasives Bonded abrasives Coated abrasives Grinding and polishing pastes Abrasive products with diamond Grinding and polishing wheels, discs and belts Flexible grinders Synthetic diamond powder Superfinishing materials Blast media Grinding tools and accessories – other Honing, lapping, polishing and deburring machines Honing machines Cylinder honing machines Surface lapping and cylindrical lapping machines Lapping machines, abrasive belt Polishing machines, abrasive disc	11.2.1 11.2.1.1 11.2.1.2 11.2.1.3 11.2.1.4 11.2.1.5 11.2.1.6 11.2.1.7 11.2.1.8 11.2.1.10 11.2.1.11 11.2.1.12 11.2.1.13 11.2.1.14 11.2.1.15 11.2.1.16 11.2.1.17 11.2.1.18 11.2.1.19 11.2.1.19 11.2.1.19 11.2.1.20 11.2.1.99	Mechanical presses Open gap non-inclinable eccentric presses Inclinable eccentric presses Straight sided presses Two-point crank presses Toggle lever presses Crank presses Transfer presses Mechanical table presses High-duty mechanical presses with automatic feed Friction screw presses Fly presses Mechanical column presses Embossing/stamping presses Geared drawing presses Hand lever presses Wide frame crank drawing presses Four-point drawing presses Calibrating presses Calibrating presses Fine blanking presses Special purpose mechanical presses – other Hydraulic presses Double-action presses Double-and four-column hydraulic presses Wide frame drawing presses Hydraulic table presses Hydraulic table presses
11.1.12.7 11.1.12.8 11.1.12.9 11.1.12.10 11.1.12.11 11.1.12.12 11.1.12.13 11.1.12.14 11.1.12.99 11.1.3 11.1.13.1 11.1.13.5 11.1.13.5 11.1.13.5 11.1.13.6 11.1.13.7 11.1.13.8 11.1.13.8 11.1.13.99 11.1.14 11.1.14.1 11.1.14.2 11.1.14.3 11.1.14.4 11.1.14.5 11.1.14.6 11.1.14.7	Sharpening machines for saw blades Gear cutting tool sharpening machines Tap grinding machines Tool sharpening and lapping machines Threading die and chaser grinding machines Milling head sharpening machines Shear blade and machine knife sharpening machines Swing-frame grinding machines Tool grinding and sharpening machines – other Abrasives Bonded abrasives Coated abrasives Grinding and polishing pastes Abrasive products with diamond Grinding and polishing wheels, discs and belts Flexible grinders Synthetic diamond powder Superfinishing materials Blast media Grinding tools and accessories – other Honing, lapping, polishing and deburring machines Honing machines Cylinder honing machines Surface lapping and cylindrical lapping machines Lapping machines, abrasive belt Polishing machines, abrasive disc Centreless polishing machines	11.2.1 11.2.1.1 11.2.1.2 11.2.1.3 11.2.1.4 11.2.1.5 11.2.1.6 11.2.1.7 11.2.1.8 11.2.1.10 11.2.1.11 11.2.1.12 11.2.1.13 11.2.1.14 11.2.1.15 11.2.1.16 11.2.1.17 11.2.1.18 11.2.1.19 11.2.1.19 11.2.1.19 11.2.1.20 11.2.1.99	Mechanical presses Open gap non-inclinable eccentric presses Inclinable eccentric presses Straight sided presses Two-point crank presses Toggle lever presses Crank presses Transfer presses Mechanical table presses High-duty mechanical presses with automatic feed Friction screw presses Fly presses Mechanical column presses Embossing/stamping presses Geared drawing presses Hand lever presses Wide frame crank drawing presses Four-point drawing presses Calibrating presses Calibrating presses Fine blanking presses Special purpose mechanical presses – other Hydraulic presses Double-action presses Double-and four-column hydraulic presses Wide frame drawing presses Hydraulic transfer presses Hydraulic table presses Straight double sided presses
11.1.12.7 11.1.12.8 11.1.12.9 11.1.12.10 11.1.12.11 11.1.12.12 11.1.12.13 11.1.12.14 11.1.12.99 11.1.3 11.1.13.1 11.1.13.2 11.1.13.3 11.1.13.5 11.1.13.5 11.1.13.5 11.1.13.6 11.1.13.7 11.1.13.8 11.1.13.99 11.1.14 11.1.14.1 11.1.14.1 11.1.14.1 11.1.14.2 11.1.14.3 11.1.14.4 11.1.14.5 11.1.14.6 11.1.14.7 11.1.14.8	Sharpening machines for saw blades Gear cutting tool sharpening machines Tap grinding machines Tool sharpening and lapping machines Threading die and chaser grinding machines Milling head sharpening machines Shear blade and machine knife sharpening machines Swing-frame grinding machines Tool grinding and sharpening machines – other Abrasives Bonded abrasives Coated abrasives Grinding and polishing pastes Abrasive products with diamond Grinding and polishing wheels, discs and belts Flexible grinders Synthetic diamond powder Superfinishing materials Blast media Grinding tools and accessories – other Honing, lapping, polishing and deburring machines Honing machines Cylinder honing machines Surface lapping and cylindrical lapping machines Lapping machines – other Polishing machines, abrasive belt Polishing machines, abrasive disc Centreless polishing machines Double ended grinding and polishing machines	11.2.1 11.2.1.1 11.2.1.2 11.2.1.3 11.2.1.4 11.2.1.5 11.2.1.6 11.2.1.7 11.2.1.8 11.2.1.10 11.2.1.11 11.2.1.12 11.2.1.13 11.2.1.14 11.2.1.15 11.2.1.16 11.2.1.17 11.2.1.18 11.2.1.19 11.2.1.19 11.2.1.19 11.2.1.20 11.2.1.99	Mechanical presses Open gap non-inclinable eccentric presses Inclinable eccentric presses Straight sided presses Two-point crank presses Toggle lever presses Crank presses Transfer presses Mechanical table presses High-duty mechanical presses with automatic feed Friction screw presses Fly presses Mechanical column presses Embossing/stamping presses Geared drawing presses Wide frame crank drawing presses Four-point drawing presses Turntable mechanical presses Calibrating presses Fine blanking presses Special purpose mechanical presses – other Hydraulic presses Double-action presses Double-and four-column hydraulic presses Wide frame drawing presses Hydraulic transfer presses Straight double sided presses Open gap presses
11.1.12.7 11.1.12.8 11.1.12.9 11.1.12.10 11.1.12.11 11.1.2.12 11.1.12.13 11.1.12.14 11.1.12.99 11.1.3 11.1.13.1 11.1.13.5 11.1.13.5 11.1.13.5 11.1.13.6 11.1.13.7 11.1.13.8 11.1.13.99 11.1.14 11.1.14.1 11.1.14.1 11.1.14.2 11.1.14.3 11.1.14.3 11.1.14.4 11.1.14.5 11.1.14.6 11.1.14.7 11.1.14.8 11.1.14.9	Sharpening machines for saw blades Gear cutting tool sharpening machines Tap grinding machines Tool sharpening and lapping machines Threading die and chaser grinding machines Milling head sharpening machines Shear blade and machine knife sharpening machines Swing-frame grinding machines Tool grinding and sharpening machines – other Abrasives Bonded abrasives Coated abrasives Grinding and polishing pastes Abrasive products with diamond Grinding and polishing wheels, discs and belts Flexible grinders Synthetic diamond powder Superfinishing materials Blast media Grinding tools and accessories – other Honing, lapping, polishing and deburring machines Honing machines Cylinder honing machines Surface lapping and cylindrical lapping machines Lapping machines – other Polishing machines, abrasive belt Polishing machines, abrasive disc Centreless polishing machines Double ended grinding and polishing machines Grinding, polishing and tumbling barrels	11.2.1 11.2.1.1 11.2.1.2 11.2.1.3 11.2.1.4 11.2.1.5 11.2.1.6 11.2.1.7 11.2.1.8 11.2.1.10 11.2.1.11 11.2.1.12 11.2.1.13 11.2.1.14 11.2.1.15 11.2.1.16 11.2.1.17 11.2.1.18 11.2.1.19 11.2.1.19 11.2.1.20 11.2.1.20 11.2.2.1 11.2.2.1 11.2.2.2 11.2.2.3 11.2.2.4 11.2.2.5 11.2.2.6 11.2.2.7 11.2.2.8	Mechanical presses Open gap non-inclinable eccentric presses Inclinable eccentric presses Straight sided presses Two-point crank presses Toggle lever presses Crank presses Transfer presses Mechanical table presses High-duty mechanical presses with automatic feed Friction screw presses Fly presses Mechanical column presses Embossing/stamping presses Geared drawing presses Wide frame crank drawing presses Four-point drawing presses Turntable mechanical presses Calibrating presses Fine blanking presses Special purpose mechanical presses – other Hydraulic presses Double-action presses Double-ard four-column hydraulic presses Wide frame drawing presses Hydraulic transfer presses Straight double sided presses Open gap presses Embossing/stamping hydraulic presses

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			IIVIT 20
11.2.2.11	Die spotting presses	11.2.8.9	Swing-arm bending machines
11.2.2.12	Fine blanking presses	11.2.8.10	Mechanical press brakes
11.2.2.13	Special purpose hydraulic presses	11.2.8.11	Hydraulic press brakes
11.2.2.14	Deep-drawing presses	11.2.8.12	Sheet bending rolls
11.2.2.15	Pneumatic and hydropneumatic presses	11.2.8.13	Knurling, flanging, ribbing and curling machines
11.2.2.13	Theumatic and hydropheumatic presses	11.2.8.14	Seaming machines
11.2.3	Presses for special applications	11.2.8.15	Marking machines
11.2.3.1	Trimming presses	11.2.8.16	Can making machines
11.2.3.2	Coining presses	11.2.8.17	Riveting machines
11.2.3.3	Powder compacting presses	11.2.8.18	Winding devices
11.2.3.4	Calibrating presses for special applications	11.2.8.19	Pressure compression and joining machines and tools
11.2.3.5	Scrap baling and briquetting presses	11.2.8.99	Sheet and strip working machines – other
11.2.3.6	Flanging presses		
11.2.3.7	Stamping presses	11.2.9	Shears, press dies, blanking machines
11.2.3.8	Bending and straightening presses	11.2.9.1	Metal forming centres for punching and pressing
		11.2.9.2	Mechanically driven table shears
11.2.4	Forging machines and hammers	11.2.9.3	Hydraulically driven table shears
11.2.4.1	Hammers	11.2.9.4	Circular shears
11.2.4.2	Forging machines and presses	11.2.9.5	Gang slitting and circular tool shears
11.2.4.3	Automatic transfer forging machines	11.2.9.6	Combined curve-cutting and nibbling machines
11.2.4.99	Forging machines – other	11.2.9.7	Universal shearing and punching (and/or notching)
			machines
11.2.5	Bar, section and tube working machines	11.2.9.8	Concrete reinforcing bar cutters
11.2.5.1	Straightening machines	11.2.9.9	Notching machines
11.2.5.2	Bar and section bending machines	11.2.9.10	Nibbling machines
11.2.5.3	Bending machines for reinforcing bars	11.2.9.11	Punching presses
11.2.5.4	Roller finishing and deep rolling machines	11.2.9.99	Shearing, nibbling, notching and punching machines – other
11.2.5.5	Section roll bending machines		3, 3, 3 1 3
11.2.5.6	Ring rolling machines	11.2.10	Micro-forming machines
11.2.5.7	Tube forming, welding and cutting-off machines	1112110	There forming machines
11.2.5.8	Tube bending machines	11.2.99	Forming machines – other
11.2.5.9	Tube reducing and flaring machines	11.2.55	Torring macrimes outer
11.2.5.10	Tube finishing machines	Machines fo	or unconventional and special machining and forming
11.2.5.10	Automatic transfer bar, profile and tube forming lines	technologie	
11.2.5.11	Bar, section and tube working machines – other	11.3.1	Rapid prototyping devices
11.2.5.99	Bai, section and tube working machines – other	11.3.1	Ultrasonic machine tools
11 2 6	Wine forming marshines		
11.2.6	Wire forming machines	11.3.3	Water jet cutting machines
11.2.6.1	Wire drawing machines	11.3.4	Electron beam working machines
11.2.6.2	Wire straightening and cutting-off machines	11.3.5	Plasma beam working machines
11.2.6.3	Wire bending machines	11.3.6	Machines for unconventional machining – other
11.2.6.4	Spring coiling machines and devices	11.3.7	Laminating (sandwiching) machines and equipment
11.2.6.5	Chain making machines		for composites
11.2.6.6	Wire netting and weaving machines	11.3.8	Die casting machines
11.2.6.7	Threading, screwing and bolt rolling machines	11.3.9	Longitudinal and circular dividing machines
11.2.6.8	Rope and cable making machines	11.3.10	Finishing (make-up) machines
11.2.6.9	Nail making machines	11.3.11	Embrossing, stamping and marking equipment
11.2.6.99	Wire forming machines – other	11.3.12	Laser lettering machi <mark>nes</mark>
		11.3.13	Coating machines
11.2.7	Bolt, screw, nut and rivet making machines	11.3.99	Machines for unconventional and special machining
11.2.7.1	Hot and cold pressing machines for bolts and screws		and forming technologies – other
11.2.7.2	Bolt shears		
11.2.7.3	Bolt and screw chamfering machines		
11.2.7.4	Nut presses		
11.2.7.5	Nut tapping machines		
11.2.7.6	Screw and bolt threading machines		
11.2.7.7	Thread, screw and bolt rolling machines		
11.2.7.8	Screw head turning and slotting machines		
11.2.7.9	Bolt, nut and rivet deburring (trimming) machines		
11.2.7.10	Wood screw making machines		
11.2.7.11	Multistation-Partformer		
11.2.7.99	Bolt, screw, nut and rivet making machines – others		
	3		
11.2.8	Sheet working machines, laser based equipment		
11.2.8.1	Sheet metal machining centers, incl. laser based machines or		
	plasma units		
11.2.8.2	Nibbling machines		
11.2.8.3	Strip levelling and cutting-off machines		
11.2.8.4	Cutting-to-length and slitting lines		
11.2.8.5	Sheet-straightening machines		
11.2.8.5	Sheet forming machines		
11.2.8.7	Sheet metal forming machines		
11.2.8.8	Spinning machines		



11.4.3.10 11.4.3.11

11.4.3.12

Gear testing machines

Balancing machines for machining and forming

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QUALITY CO	NTROL IN METAL-WORKING AND FORMING SECTOR	11.4.3.13	Electronic balancing equipment for machining and forming
		11.4.3.14	Ultrasonic testing machines for machining and forming
11.4.1	Measuring and checking instruments for machining	11.4.3.15	Power test benches for machining and forming
	and forming	11.4.3.16	Surface testing machines for machining and forming
11.4.1.1	Length measuring instruments	11.4.3.17	Stereomicroscopes
11.4.1.2	Angle and inclination measuring instruments	11.4.3.18	Eddy current testers
11.4.1.3	Vibration measuring instruments	11.4.3.99	Testing machines for machining and forming sector – other
11.4.1.4	Speed measuring instruments		
11.4.1.5	Surface quality measuring instruments	11.4.4	Image data processing in machining and forming sector
11.4.1.6	Layer thickness measuring instruments	11.4.4.1	Image processing systems in machining and forming sector
11.4.1.7	Noise level measuring instruments	11.4.4.2	Video systems and endoscopes
11.4.1.8	Temperature measuring instruments for machining and forming	11.4.4.3	Sensor systems for image and signal pattern recognition for machining and forming sector
11.4.1.9	Force and torque measuring instruments	11.4.4.4	Visual geometry measuring devices
11.4.1.10	Clamping force measuring instruments	11.4.4.5	Measuring microscopes with digital image processing
11.4.1.11	Pressure measuring instruments for machining and forming	111111111111111111111111111111111111111	reasaring interescopes man argusar image processing
11.4.1.12	Profile and shape measuring instruments	11.4.5	Quality assurance software in machining
11.4.1.13	Thread measuring instruments	11.4.5	and forming sector
		11.4.5.1	Software for acquisition of measured electrical data
11.4.1.14	Circularity measuring instruments	11.4.5.1	
11.4.1.15	Gauges and meters for machining and forming		in machining and forming sector
11.4.1.16	Measuring and testing devices, machining and forming	11.4.5.2	Software for acquisition of measured non-electrical
	standards		data in machining and forming sector
11.4.1.17	Mechanical precision measuring instruments	11.4.5.3	Software for processing and evaluation of measured
	for machining and forming		data in machining and forming sector
11.4.1.18	Optical precision measuring instruments	11.4.5.4	Diagnostic systems for machining and forming sector
	for machining and forming	11.4.5.5	Quality assurance software in machining and forming sector
11.4.1.19	Electric precision measuring instruments	11.4.5.6	Software for failure mode and effects analysis (FMEA)
	for machining and forming	11111310	applications
11.4.1.20	Electronic precision measuring instruments	11.4.5.7	Software for technological data acquisition
11.4.1.20	for machining and forming	11.4.5.7	in machining and forming sector
11.4.1.21	Pneumatic precision measuring instruments	11 / 5 0	
11.4.1.21	for an addition and forming instruments	11.4.5.8	Software for operating data acquisition
44 / 4 00	for machining and forming	44 (5 0	in machining and forming sector
11.4.1.22	Laser measuring instruments for machining and forming	11.4.5.9	Quality information and control systems
11.4.1.23	Measured value transducers for machining and forming		in machining and forming sector
11.4.1.24	Measured value amplifiers for machining and forming	11.4.5.10	Software for testing equipment supervision
11.4.1.25	Measuring tables for machining and forming		and management in machining and forming sector
11.4.1.26	Digital read out systems	11.4.5.11	Software for test scheduling and test data evaluation
11.4.1.27	Breakage and wear detection systems		in machining and forming sector
11.4.1.28	Measuring microscopes for machining and forming		
11.4.1.29	Surface plates and flatness testing equipment	11.4.99	Quality control for machining and forming sector – other
11.4.2	Measuring machines		
11.4.2.1	Measuring and marking machines		
11.4.2.2	Computerized measuring machines for machining and forming sector		
11 / 2 2	Tool setting devices		
11.4.2.3	5		
11.4.2.4	Hob testing instruments		
11.4.2.5	Gear testing equipment		
11.4.2.6	Sorting machines and equipment		
11.4.2.7	Measuring robots		
11.4.2.8	Measuring machines for lot production in machining and forming sector		
11.4.2.9	Measuring projectors		
11.4.2.10	Coordinate and multicoordinate measuring machines		
11.4.2.11	Systems for 3D scanning		
11.4.2.12	Measuring machine accessories		
11.4.3	Testing machines for machining and forming sector		
11.4.3.1	Testing machines for tension, compression, bending and other features		
11.4.3.2	Tension testing machines		
11.4.3.3	Pendulum impact testing machines		
11.4.3.4	Drop hammers for material testing		
11.4.3.5	Hardness testing machines and devices		
11.4.3.6	Spring testing machines		
11.4.3.7	Material fatigue testing machines		
44 / 5 5	(tension, compression, bending)		
11.4.3.8	Torsion testing machines		
11.4.3.9	Deep-drawing testers		
11.4.3.10	Machines and devices for non-destructive material testing		
11.4.3.11	Gear testing machines		





FLEXIBLE MA	ANUFACTURING SYSTEMS (FMS)	11.5.4	Electrical and electronic equipment for machine tools and metal forming machines
11.5.1	Computer systems and peripherals for flexible	11.5.4.1	Electric motors for machine tools and forming machines
11.5.1	manufacturing systems	11.5.4.2	Generators
11 5 1 1			
11.5.1.1	FMS data processing systems	11.5.4.3	Converters
11.5.1.2	Turnkey computer systems for flexible manufacturing	11.5.4.4	Rectifiers for electrical and electronic equipment of machine
	systems		tools and metal forming machines
11.5.1.3	CAD workstations	11.5.4.5	Electric, electronic and magnetic switching and control gear
11.5.1.4	Servers for flexible manufacturing systems	11.5.4.6	Electric and electronic measuring and counting devices
11.5.1.5	Data network elements for flexible manufacturing systems	11.5.4.7	Electric and electronic detecting, measuring, testing
11.5.1.6	Communication adapters		and protecting devices
11.5.1.7	Operator workplaces for flexible manufacturing systems	11.5.4.8	Electric and electronic C1797 components and assemblies
11.5.1.8	Input devices for flexible manufacturing systems	11.5.4.0	in flexible manufacturing systems
		11 5 / 0	
11.5.1.9	Interactive terminals for flexible manufacturing systems	11.5.4.9	Piezoelectric motors, controllers, systems in flexible
11.5.1.10	Digitizers, tablets for flexible manufacturing systems		manufacturing systems
11.5.1.11	Scanners for flexible manufacturing systems	11.5.4.10	Optoelectronic parts for laser machine tools
11.5.1.12	Plotters for flexible manufacturing systems	11.5.4.11	Power electronics, closed-loop electronic systems
11.5.1.13	Printers for flexible manufacturing systems		in flexible manufacturing systems
11.5.1.14	NC-programming systems	11.5.4.12	Flexible energy supplies
11.5.1.99	Computer systems and peripheral units for flexible manufacturing	11.5.4.13	Flexible control and power-supply cables for flexible
111311133	systems – other	111011111	manufacturing systems
	systems – other	11 5 / 1/	
		11.5.4.14	Electric control panels and cubicles in flexible
11.5.2	Software for flexible manufacturing systems		manufacturing systems
		11.5.4.15	Electrical equipment for induction heating plants
11.5.2.1	CAD/CAM systems for machine tools and metal forming	11.5.4.99	Electric and electronic equipment for machine tools and metal
	machines		forming machines – other
11.5.2.1.1	CAD/CAM systems for machine tools		•
11.5.2.1.2	CAD/CAM systems for metal forming machines	11.5.5	Assembling and industrial robots in flexible
	, , , , , , , , , , , , , , , , , , ,		manufacturing systems
11.5.2.2	Software for TPV and PDM (Product Data Management)	11.5.5.1	Flexible assembling systems
11.5.2.3	Software for CNC control	11.5.5.2	
			Individual assembling workplaces
11.5.2.4	Software for PLC control	11.5.5.3	Assembling equipment and automatic machines
11.5.2.5	Software for calculation of stress analysis, dynamic design	11.5.5.4	Assembling lines in flexible manufacturing systems
	and heat balance by the finite-element method	11.5.5.5	Modular units for assembling systems
11.5.2.6	Software for electrical design	11.5.5.6	Handling equipment for warehousing, input and delivery of work-
11.5.2.7	Software for production planning and management		pieces, semi-products in flexible manufacturing systems
	in flexible manufacturing systems	11.5.5.7	Handling equipment for aligning and positioning
11.5.2.8	Software for flexible assembling systems		of workpieces
11.5.2.9	Software for operating data processing in flexible	11.5.5.8	Feeding equipment for machine tools
	manufacturing systems	11.5.5.9	Gripping tools and automatic fixtures
11.5.2.10	Software for capacity and production date scheduling in flexible	11.5.5.10	Exchangeable devices for robot grippers
11.5.2.10	manufacturing systems	11.5.5.10	Manipulators in flexible manufacturing systems
44 5 0 44			
11.5.2.11	Software for stock management	11.5.5.12	Industrial robots in flexible manufacturing systems
11.5.2.12	Software for warehousing and material management	11.5.5.13	Working tools for industrial robots
11.5.2.13	Software for material database	11.5.5.99	Manipulators, feeding and sorting equipment – other
11.5.2.14	Software for industrial robots in flexible manufacturing		
	systems	11.5.6	Automation of warehousing and transportation
11.5.2.15	Software for simulation calculations in flexible		for machining and for <mark>ming</mark>
	manufacturing systems	11.5.6.1	Conveying systems for machining and forming
11.5.2.16	Software for warehousing and conveyor systems in flexible	11.5.6.2	Conveyers for workpieces for machining and forming
	manufacturing systems	11.5.6.3	Driverless ground conveyors for machining and forming
	3 3	11.5.6.4	Driverless warehouse conveyors for machining and forming
11.5.2.99	Software for flexible manufacturing systems – other	11.5.6.5	Components to interlink separate production stages
11.7.6.77	Solution for recyclic manufacturing systems - Other		
11 5 3	Cautinal and dutina anata	11.5.6.6	Magazines for workpieces, pressed pieces and semi-products
11.5.3	Control and drive systems	11.5.6.7	Warehousing systems for machining and forming
11.5.3.1	CNC control systems	11.5.6.8	Palletizing systems of workpieces and tools
11.5.3.2	Programmable logic controllers (PLC)	11.5.6.9	Warehousing systems of workpieces and tools
11.5.3.3	Programming systems for CNC training	11.5.6.10	Palletizing systems for machining and forming
11.5.3.4	Axis position measuring systems	11.5.6.11	Warehousing equipment for manufacturing plants
11.5.3.5	Robot controllers in flexible manufacturing systems		for machining and forming
11.5.3.6	Feed drives in flexible manufacturing systems	11.5.6.12	Metal chip crushers in flexible manufacturing systems
·= ·= ·•		11.5.6.13	Chip conveyers for flexible manufacturing systems
11.5.3.7	Main drives in flexible manufacturing systems	11.5.6.14	Chip deoiling equipment
11.5.3.7	Servo drives for machine tools and metal forming+C2034	11.5.0.14	sp acotting equipment
11.3.3./.1	machines	11.5.99	Flexible manufacturing systems – other
	machines	11.5.99	reside manufacturing systems - other
11 5 2 0	Actuators		
11.5.3.8	Actuators Howarduty electronics for machine tool and motal working		
11.5.3.9	Heavy-duty electronics for machine tool and metal working		
	machine control and drives		

11.5.3.99

Control and drives – other



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PRECISION TO	noi s	11.6.3	Chucking tools
PRECISION IC	JUL5		Chucking tools
11.6.1	Machining tools	11.6.3.1	Standard fixture parts and clamping elements
	Machining tools	11.6.3.2	Control elements for jigs and machines
11.6.1.1	Reamers	11.6.3.3	Collet chucks
11.6.1.2	Boring bars	11.6.3.4	Machine vices
11.6.1.3	Tool bits	11.6.3.5	Drill chucks
11.6.1.4	Broaching tools	11.6.3.6	Manual chucks for grinding machines
11.6.1.5	Gear tools	11.6.3.7	Power chucks for grinding machines
11.6.1.6	Threading dies	11.6.3.8	Lathe chucks, hand operated
11.6.1.7	Threading tools, cutting	11.6.3.9	Lathe chucks, power operated
11.6.1.8	Milling cutters and gear shaping cutters, disc-type	11.6.3.10	Centers, carriers for lathes
11.6.1.9	Countersinks and core drills	11.6.3.11	Expanding mandrels
11.6.1.10	Circular saw blades, incl. metal carbide discs and tips	11.6.3.12	Magnetic chucks
11.6.1.11	Metal hacksaw blades	11.6.3.13	Milling arbors
11.6.1.12	Metal band saw blades	11.6.3.14	Sleeves
11.6.1.13	Inserted tooth saw blades	11.6.3.15	Dividing fixing heads
11.6.1.14	Cylindrical saws, slitting saws	11.6.3.16	Magnetic fixing plates
11.6.1.15	Cutting ceramics inserts	11.6.3.17	Vacuum fixing plates
11.6.1.16	Carbide tipped tools and cutting tips	11.6.3.18	Fixture plates
11.6.1.17	Twist drills and center drills	11.6.3.19	Rotary holders
11.6.1.18	Spade drills	11.6.3.20	Tool holders
11.6.1.19	Step drills	11.6.3.21	Rotary tables, also NC-controlled
11.6.1.20	Gun drills	11.6.3.22	Cross slide tables, also NC-controlled
11.6.1.21	Boring tools	11.6.3.23	Chucking tools with code
11.6.1.22	Fine boring tools	11.6.3.24	Chucking systems, incl. modular
11.6.1.23	Turning tools and tool holders	11.6.3.99	Clamping tools – other
	Diamond tools, diamond paste, industrial diamonds	11.0.5.99	clamping toots – other
11.6.1.24 11.6.1.25	·	11.6.4	Tool systems
	Dressing tools		
11.6.1.26	Shaving cutters, deburring tools	11.6.4.1	Tool systems, modular
11.6.1.27	Planing and shaping tools	11.6.4.2	Tool turrets
11.6.1.28	Honing, lapping and polishing tools	11.6.4.3	Tool changers and magazines
11.6.1.29	Cutting tools, coated	11.6.4.4	Tool management software
11.6.1.30	Cutting tools with integrated code	11.6.4.5	Multi-spindle heads
11.6.1.31	Power tools	11.6.4.6	Boring and facing heads
11.6.1.32	Graphite materials for EDM – Electro discharge machining	11.6.4.7	Turret heads
11.6.1.33	Electrodes, cutting wires, consumables for electro discharge	11.6.4.8	Slotting heads
	machine tools	11.6.4.9	Inserted blade milling cutters
11.6.1.34	Special tools for machining	11.6.4.10	Toolholder with coupleable drive
11.6.1.35	Tool care products for machining	11.6.4.11	Copying devices
11.6.1.99	Tools for machining – other	11.6.4.12	Relieving devices
		11.6.4.13	Grinding wheel trueing, dressing and forming devices
11.6.2	Forming tools	11.6.4.14	Threading devices
11.6.2.1	Cutting tools	11.6.4.15	Milling devices
11.6.2.2	Shear knives, machine knives	11.6.4.16	Boring devices
11.6.2.3	Blanking and punching dies	11.6.4.17	Grinding devices
11.6.2.4	Forming dies	11.6.4.18	Tool identification systems
11.6.2.5	Stamping dies, embossing dies	11.6.4.19	Tool breakage identification devices
11.6.2.6	Markers	11.6.4.20	Tool measuring and setting units
11.6.2.7	Punches	11.6.4.21	Tool maintenance systems
11.6.2.8	Knurling tools	11.6.4.22	Spherical turning attachments
11.6.2.9	Thread rolling dies	11.6.4.99	Tool systems – other
			•
11.6.2.10	Thread cutting tools (forming)	11.6.99	Precision tools – other
11.6.2.10.1	Heads for thread cold rolling		
	•		
11.6.2.11	Roller burnishing tools, smoothing and straining tools		
11.6.2.12	Drawing dies		
11.6.2.13	Die blocks		
11.6.2.14	Deep drawing dies		
11.6.2.15	Forming tools coated		
11.6.2.16	Quick-action fixtures for press tools		
11.6.2.17	Press tool changing systems		
11.6.2.18	Special tools for forming		
11.6.2.19	Die-casting dies		
11.6.2.20	Guide racks		
11.6.2.21	Standardized parts for forming tools and moulds		
11.0.2.21	(punching, stamping tools, posts, sleeves)		
11.6.2.22	Wedge units		
11.0.2.22	weage units		
11.6.2.99	Forming tools – other		
11.0.2.33	romming wow – outer		

14TH INTERNATIONAL MACHINE TOOLS EXHIBITION



11.7.1 11.7.1.1 11.7.1.2 11.7.1.3 11.7.1.4 11.7.1.5 11.7.1.6 11.7.1.7 11.7.1.8 11.7.1.9	Lubrication and cooling of metal-working and forming machines Lubricating oils and consumables for metal-working and forming machines Coolants and lubricants Central lubricating systems	11.7.3.23 11.7.3.24 11.7.3.25 11.7.3.26	for machine tools and metal forming machines Compressors for machine tools and metal forming machines Compressed air conditioning unit Small electric hoists, conveyance rollers
11.7.1.1 11.7.1.2 11.7.1.3 11.7.1.4 11.7.1.5 11.7.1.6 11.7.1.7 11.7.1.8	machines Lubricating oils and consumables for metal-working and forming machines Coolants and lubricants	11.7.3.24 11.7.3.25	Compressed air conditioning unit
11.7.1.2 11.7.1.3 11.7.1.4 11.7.1.5 11.7.1.6 11.7.1.7 11.7.1.8	Lubricating oils and consumables for metal-working and forming machines Coolants and lubricants	11.7.3.25	,
11.7.1.2 11.7.1.3 11.7.1.4 11.7.1.5 11.7.1.6 11.7.1.7 11.7.1.8	and forming machines Coolants and lubricants		
11.7.1.3 11.7.1.4 11.7.1.5 11.7.1.6 11.7.1.7 11.7.1.8	Coolants and lubricants	11./.3.70	Pneumatic and oil pneumatic jacks
11.7.1.3 11.7.1.4 11.7.1.5 11.7.1.6 11.7.1.7 11.7.1.8			
11.7.1.4 11.7.1.5 11.7.1.6 11.7.1.7 11.7.1.8	Central lubricating systems	11.7.3.27	Winding and unwinding devices
11.7.1.5 11.7.1.6 11.7.1.7 11.7.1.8	and the state of t	11.7.3.28	Bar magazines and feeders
11.7.1.6 11.7.1.7 11.7.1.8	Oiling and greasing systems	11.7.3.29	Sheet metal containers and loaders
11.7.1.7 11.7.1.8	Cooling systems	11.7.3.30	Grinding spindles
11.7.1.8	Separators for coolants and lubricants, filters, centrifuges	11.7.3.31	High frequency spindles for machine-tools
	Metal cleaning and deoiling devices	11.7.3.32	Main spindles for turning, milling, drilling
11.7.1.9	Spraying attachment for forging machines		and boring machines
	Cask cleaning equipment	11.7.3.33	Guide way wipers for machine tools
11.7.1.10	Coolant hoses	11.7.3.34	Columns, beds and parts of machines
			by polymerized concrete
11.7.2	Waste disposal in machining and forming sector	11.7.3.35	Machine lighting
11.7.2.1	Air purity protection systems and components	11.7.3.36	Personal protective equipment
11.7.2.2	Exhaust systems in machining and forming sector	11.7.3.37	Protective devices
11.7.2.3	Dust collection equipment, filtering systems, filters	11.7.3.38	Guards for machine-tools, slideways and lead screws
11.7.2.4	Wastewater treatment equipment and components	11.7.3.39	Safety and protective equipment for machine tools
	in machining and forming sector		and metal forming machines
11.7.2.5	Water treatment equipment and components in machining	11.7.3.40	Antiskid mats for machines
	and forming sector	11.7.3.41	Tool cabinets for machine tools
11.7.2.6	Emulsion recovery equipment	11.7.3.42	Equipment of workshops for metal-working and forming sector
11.7.2.7	Processing of coolants and lubricants		
11.7.2.8	Oil separation, oil mist separation	11.7.99	Accessories for metal working and forming – other
11.7.2.9	Waste oil collecting tanks		/ total control in the control in th
11.7.2.10	Filtration, ultrafiltration		
	Chip breakers		
11.7.2.11	•		
11.7.2.12	Chip conveyors		
11.7.2.13	Chip briquetting presses		
11.7.2.14	Oil recovery equipment (chip separators)		
11.7.2.15	Tipping containers for chip removal		
11.7.2.16	Industrial dust collectors for cleaning of machines		
11.7.2.17	Process water treatment for superfinishing systems		
11.7.3	Mechanical components and accessories for construction of machine-tools and forming machines		
11.7.3.1	Fittings for machine tools and metal forming machines		
11.7.3.2	Seals / gaskets for machine tools and metal forming machines		
11.7.3.3	Flexible washers, levelling components		
11.7.3.4	Springs for machine tools and metal forming machines		
11.7.3.5	Drive components for machine tools and metal forming machines		
11.7.3.6	Gear units for machine tools and metal forming machines		
	Infinitely variable speed gears for machine tools		
11.7.3.7	and metal forming machines		
11.7.3.8	Reducing gears for machine tools and metal forming machines		
11.7.3.9	Couplings for machine tools and metal forming machines		
11.7.3.10	Friction couplings for machine tools and metal forming machines		
11.7.3.11	Brakes for machine tools and metal forming machines		
11.7.3.12	Plain and antifriction bearings for machine tools and metal forming machines		
11.7.3.13	Linear lines for machine tools and metal forming machines		
11.7.3.14	Ball and roller slides, pneumatic slides		
11.7.3.15	Ball screws and nuts		
11.7.3.16	Machine elements for machine tools and metal forming		
11.7.3.17	machines Hydraulic power units, pumps, motors, cylinders, drives,		
11.7.3.18	assemblies Hydraulic control engineering for machine tools and metal forming machines		
11.7.3.19	High pressure lines and hoses, flexible tubing		
11.7.3.19	Fittings, connections for machine tools and metal forming machines		
11 7 2 21			
11.7.3.21	High-pressure pumps and their accessories for water-jet cutting machines		



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SERVICE AND REPAIRS OF MACHINE-TOOLS AND FORMING MACHINES, REWORKED MACHINES		INSTITUTIONS, LITERATURE AND SERVICES IN METAL-WORKING AND FORMING SECTOR	
11.8.1 11.8.2	Spare parts for machine tools Spare parts for forming machines	11.11.1	Associations, organizations in metal-working and forming sector
11.8.3	General overhauls of machine tools and forming	11.11.2	Technical publishing houses, literature, specialized periodicals
	machines		'
11.8.3.1 11.8.3.2	General overhauls of machine tools General overhauls of metal forming machines	11.11.3	Consultancy in the field of machine tools and metal-forming machines
11.8.4	Redesign and upgrading of machine tools and metal forming machines	11.11.4	Engineering and design services in the field of machine tools and metal-forming machines
11.8.4.1	Upgrading of el. equipment of machine tools and metal forming machines	11.11.4.1	Engineering and design services in the field of machine tools
11.8.4.2	Upgrading of peripheral units for NC and CNC machines	11.11.4.2	Engineering and design services in the field
11.8.4.3	Redesign and upgrading of machine tools		of metal-forming machines
11.8.4.4	Redesign and upgrading of metal forming machines	11.11.5	Technologies for metal working and forming
11.8.5	Reworked machine tools	11.11.5	recimologies for metat working and forming
11.8.6	Reworked metal forming machines	11.11.6	Custom manufacture of single-purpose machine tools and metal forming machines
11.8.99	Service and repairs of metal working and forming machines,	11.11.6.1	Custom manufacture of single-purpose machine tools
Hand-operat	reworked machines – other	11.11.6.2	Custom manufacture of single-purpose metal forming machines
,		11.11.7	Execution of investments in the field of metal working
11.9.1 11.9.1.1	Pneumatic hand-operated tools Hand-operated pneumatic drills	11 11 0	and forming
11.9.1.2	Hand-operated pneumatic thread-cutting machines	11.11.8	Business services in the field of machine tools and metal forming machines
11.9.1.3	Hand-operated pneumatic nut runners and screwdrivers	11.11.9	Leasing of metal working and forming machines
11.9.1.4	Hand-operated pneumatic grinding machines, angle grinders and polishing machines	11.11.10	Custom coating of metal cutting and forming tools
11.9.1.5	Hand-operated pneumatic shears	11.11.11	Custom tool renovation and reconditioning
11.9.1.6	Manual pneumatic rivet guns	11.11.11.1	Compression mould refurbishment
11.9.1.99	Hand-operated pneumatic tools and accessories – other		·
11.9.2	Electric hand-operated tools, incl. cordless programme	11.11.12 11.11.13	Reverse engineering services Custom rapid prototyping
11.9.2.1	Hand-operated electric drills and hammers	11.11.13	custom rapid prototyping
11.9.2.2	Hand-operated electric grinders, angle grinders and polishing machines	11.11.14	Offer of production capacities in the metal-working and forming sector
11.9.2.3	Hand-operated electric saws, shears and milling machines	11.11.14.1	Custom material cutting
11.9.2.4	Hand-operated electric nut runners, screwdrivers and threading machines	11.11.14.2	Custom sheet-metal processing
11.9.2.5	Hand-operated electric staplers	11.11.14.3	Custom metal-working manufacturing
11.9.2.6	Manual electric rivet guns		
11.9.2.7	Microtools	11.11.14.4	Offer of production capacities in the metal working sector
11.9.2.99	Hand-operated electric tools and sets – other	11.11.14.4.1	Custom CNC machining
11.9.3	Hand-operated hydraulic tools	11.11.14.4.2	Custom high-speed (HSC) machining
11.9.4	Hand-operated tools driven by internal combustion engine	11.11.14.4.3	Custom machining of hard-to-work materials
11.9.5	Mobile and suspension hand-operated tools	11.11.14.4.4 11.11.14.4.5	Custom laser marking, lettering, engraving Custom piece polishing
11.9.99	Hand-operated tools and parts – others	11.11.14.5	Offer of production capacities in the metal forming sector
	mechanized tools	44 44 05	Conductorate costs (C. 11. 12. 12. 12. 12.
11.10.1	Hand hammers Pliers, alligator wrenches	11.11.99	Services in the sector of metal working and forming – other
11.10.2 11.10.3	Manual deburring tools, files	44.00	
11.10.4	Chisels, axes	11.99	Metal working and forming machines, manual tools,
11.10.5	Screwdrivers		others
11.10.6	Wrenches, torque wrenches		
11.10.7	Hand cutting tools		
11.10.8	Vices		
11.10.9	Clamps (cramps)		
11.10.10 11.10.11	Pullers/removers Hand-operated jacks		
11.10.11	Cases and bags for tools		
11.10.99	Manual non-mechanized tools – other		

20TH INTERNATIONAL FOUNDRY FAIR



CHARGE RAW	MATERIALS FOR FOUNDRIES	12.9.1.6	Equipment for manufacturing shell moulds
		12.9.1.7	Equipment for vacuum hardening of moulds (V-process)
12.1.1	Pig irons	12.9.1.8	Equipment mould manufacturing without binder with wax
12.1.2	Nonferrous metals, their alloys and master alloys		patterns
12.1.3	Waste metal (scrap)	12.9.1.99	Equipment of moulding shops and their accessories – other
12.1.4	Deoxidizing additives		
1215	Allowing additions	12.9.2	Equipment of core shops
12.1.5	Alloying additives	12.9.2.1	Shooting machines
12.1.5.1	Feroalloys	12.9.2.2	Equipment for core shooting from self-setting mixtures
12.1.6	Lag forming additions	12.9.2.3	Equipment for thermohardening of cores
12.1.0	Lag-forming additives Foundry coke	12.9.2.4	Equipment for manufacturing Cold Box cores
12.1.99	Charge raw materials for foundries – other	12.9.2.5	Automated lines and their accessories for core manufacturing
12.1.99	Charge law materials for foundries - other	12.9.2.99	Equipment of core shops and their accessories – other
12.2	EQUIPMENT OF MELTING PLANTS		
12.2.1	Equipment of cast iron melting plants	12.9.3	Driers, drying chambers
12.2.2	Equipment of steel melting plants	12.9.4	Aids, auxiliary tools for moulding shops
12.2.3	Equipment of nonferrous metals metal plants		and core shops
	-qa.p	12.9.5	Auxiliary materials and accessories for risers
REFRACTORY	MATERIALS		
12.3.1	Non-shaped refractory materials	FOUNDRY ME	LTING AND HOLDING FURNACES
12.3.2	Shaped refractory materials, shaped pieces		
12.3.3	Ceramic filters, sieves for the foundry industry	12.10.1	Foundry fuel-heated furnaces
12.3.4	Melting and holding crucibles of furnaces and ladles		
12.3.5	Chemical raw materials and additives for manufacturing	12.10.2	Foundry electric furnaces
	refractory products	12.10.2.1	Foundry induction crucible and channel-type furnaces
12.3.99	Refractory materials – other		(low and mid frequency)
		12.10.2.2	Foundry arc furnaces
12.4	TECHNICAL GASES FOR FOUNDRY INDUSTRY	12.10.2.3	Foundry resistance furnaces
PATTERN MAI	KING EQUIPMENT	12.10.3	Foundry vacuum furnaces
		12.10.4	Foundry plasma furnaces
12.5.1	Pattern making equipment (patterns, core boxes, sweep	12.10.5	Foundry electron-beam furnaces
	patterns)		
12.5.1.1	Pattern making equipment from wood	12.10.6	Accessories of foundry furnaces
12.5.1.2	Pattern making equipment from plastics, resin	12.10.6.1	Fuel burners
12.5.1.3	Pattern making equipment from metal	12.10.6.2	Coils for induction furnaces
12.5.1.4	Pattern making equipment from wax	12 10 00	Farmely malting and halding from an ather
12.5.1.99	Pattern making equipment (patterns, core boxes, sweep patterns)	12.10.99	Foundry melting and holding furnaces – other
	– other	CASTING MAG	CHINES AND EQUIPMENT, ACCESSORIES
		CASTING MAC	CHINES AND EQUIPMENT, ACCESSORIES
12.5.2	Machines and aids for manufacturing pattern making	12.11.1	Casting machines and equipment
	equipment	12.11.1.1	Pouring ladles
12.5.3	Manufacturing patterns with the help	12.11.1.1	Machines and equipment for tipping and gravity casting
	of Rapid Prototyping System	12.11.1.3	Machines and equipment for low-pressure casting
12.5.4	Materials for manufacturing pattern making equipment	12.11.1.4	Metal die casting machines
		12.11.1.4	Pressure die casting machines
MATERIALS F	OR MOULDING AND CORE MIXTURES	12.11.1.5	3
			Centrifugal metal casting machiness and accessories Automated casting equipment
12.6.1	Grog	12.11.1.7	
		12.11.1.99	Casting machines and equipment – other
12.6.2	Binders	12.11.2	Permanent moulds
12.6.2.1	Inorganic binders		
12.6.2.2	Organic binders	12.11.2.1	Permanent moulds made of metal
12.63	Additional into and and are set to the	12.11.2.2	Permanent moulds made of ceramic materials
12.6.3	Additives into sand and core mixtures	12.11.2.99	Permanent moulds made of other materials
12.6.4	Sand and core mixtures	12 11 2	Auxilians materials and accessories
127	COLITOMENT FOR THE ATMENT OF CAMP AND CORE MIVILIPES	12.11.3	Auxiliary materials and accessories
12.7	EQUIPMENT FOR TREATMENT OF SAND AND CORE MIXTURES	12.11.3.1	for casting machines and equipment Tools for casting machines and equipment
1271	Equipment for treatment of hinding mintures	12.11.3.1	Chemicals for casting and casting machines
12.7.1	Equipment for treatment of binding mixtures	12.11.3.2	Malleablizing equipment for pressure die casting moulds
12.7.2	Equipment for treatment of non-binding mixtures	16.11.3.3	Makeabuzing equipment for pressure the casting moutus
12.7.3	Equipment for sand mixtures reclamation	12.11.99	Casting machines and equipment, accessories – other
12.7.3.1	Magnets, separators and metal detectors	12.11.99	casting machines and equipment, accessories – other
16.7.3.1	for foundry industry	12.12	EQUIPMENT AND AIDS FOR CASTING KNOCK-OUT FROM
	ioi ioanary maasa y	12.12	·
12.8	Runner and gate technology		MOULDS
12.0		12 12	ENLIDMENT AND ACCECCADICS FOR STATELLING DAM
EOUTPMENT	OF MOULDING SHOPS AND CORE SHOPS	12.13	EQUIPMENT AND ACCESSORIES FOR FINISHING RAW
EQUALITIES O		10.43.4	CASTINGS
12.9.1	Equipment of moulding shops	12.13.1	Equipment and accessories for surface cleaning of castings
12.9.1.1	Machines for bentonite mixture moulding in flasks	12.13.2	Gating and feeding system separator equipment
12.9.1.2	Automatic moulding lines with flasks and their accessories	40.10.5	and accessories
12.9.1.3	Automatic flaskless moulding lines and their accessories	12.13.3	Equipment and accessories for finishing of castings
12.9.1.4	Sand-aerators, sand-aerating lines and their accessories		
12.9.1.5	Machines and equipment for self-hardening technology processes		



§ Y	20" INTERNATIONAL FOUNDRY FAIR			
12.14	EQUIPMENT AND MATERIALS FOR WELDING, CUTTING AND REPAIRS OF CASTINGS	12.24.4	Engineering and design services in area of the foundry industry	
12.15	EQUIPMENT AND MATERIALS FOR TREATMENT AND MACHINING OF CASTINGS	12.24.5	Service and repairs of machines and equipment in the foundry industry	
12.16	AIR CONDITIONING FOR FOUNDRIES	12.24.6	Refurbishment and modernization of machines and equipment	
12.17	TRANSPORT AND STORAGE EQUIPMENT FOR THE FOUNDRY	12.24.0	in the foundry industry	
	INDUSTRY	12.24.7	Overhauled machines and equipment for the foundry industry	
12.18	ROBOTS, MANIPULATORS, HANDLING EQUIPMENT AND THEIR ACCESSORIES FOR THE FOUNDRY INDUSTRY	12.24.8	Manufacturing of prototype and single-purpose equipment for the foundry industry	
12.19	CONTROL AND REGULATION TECHNOLOGY FOR THE	12.24.9	Technology for the foundry industry	
	FOUNDRY INDUSTRY	12.24.10	Execution of investment projects for the foundry industry	
12.20	MEASURING AND TESTING TECHNOLOGY FOR THE FOUNDRY INDUSTRY	12.24.11	Professional literature, periodicals in area of the foundry industry	
12.21	COMPLITED FOLLOWENT CONTROL CALCULATIONS	12.24.12	Institutions and organizations in area of the foundry industry	
12.21	COMPUTER EQUIPMENT, CONTROL, CALCULATIONS, SIMULATION	12.24.13	Vocation schools in area of the foundry industry	
12.21.1	CAD, CAM, CIM FOR THE FOUNDRY INDUSTRY	12.24.14	Professional courses and education in area of the foundry industry	
12.22	ENVIRONMENT PROTECTION AND WASTE DISPOSAL IN THE FOUNDRY INDUSTRY WASTE	12.24.99	Research, services, literature, institutions for foundry industry	
CASTINGS				
12.23.1	Cast iron castings			
12.23.1.1	Grey cast iron castings			
12.23.1.2	Nodular cast iron castings			
12.23.1.3	Malleable cast iron castings			
12.23.1.4	Compacted graphite cast iron castings			
12.23.1.5 12.23.1.6	White cast iron castings Hardened cast iron castings			
12.23.1.0	Alloyed cast iron castings			
12.23.1.7	Alloyeu cast non castings			
12.23.2	Steel castings			
12.23.2.1	Carbon steel castings			
12.23.2.2	Alloy steel castings			

12.23.3 Nonferrous metal and alloy castings

12.23.3.1	Aluminium alloy castings
10 00 0 0	M

12.23.3.2 Magnesium alloy castings

Copper alloy castings 12.23.3.3

12.23.3.4 Zinc alloy castings

12.23.3.99 Castings of other nonferrous metals and alloys

12.23.4 Castings for selected branches of industry

and end consumption

Castings for the automotive industry 12.23.4.1 12.23.4.2 Castings for agricultural machines

12.23.4.3 Castings for general engineering

12.23.4.4 Castings for the chemical and petrochemical industries 12.23.4.5

Castings for the food processing industry
Castings for building industry

12.23.4.6

12.23.4.7 Castings for power engineering

12.23.4.8 Castings for electrical engineering, aviation, medical equipment

Castings for domestic appliances, garden machinery, hobby Art castings, statues, statuettes, decorative objects 12.23.4.9

12.23.4.10

Castings for selected branches of industry and end consumption 12.23.4.99

- other

12.23.99 Castings - other

12.24.1

RESEARCH, SERVICES, INSTITUTIONS, LITERATURE IN AREA OF THE FOUNDRY INDUSTRY

	• •
12.24.2	Offer of manufacturing capacities in area of the foundry
	industry
12.24.2.1	Manufacturing patterns to order
12.24.2.2	Manufacturing cores to order
12.24.2.3	Manufacturing moulds to order

Research in area of the foundry industry

Manufacturing castings to order 12.24.2.4 Consultancy in area of the foundry industry 12.24.3

27TH INTERNATIONAL WELDING ENGINEERING FAIR



13.1	FLAME WELDING, SURFACING AND OXYGEN CUTTING MACHINERY AND EQUIPMENT	WELDING CO	OMPONENTS, MACHINERY AND EQUIPMENT – OTHER Exhaust and filtration equipment for welding areas
13.2	ARC-WELDING, SURFACING ANG CUTTING	13.9.2	Work protection aids (masks, goggles, working and protective garments, etc.)
13.2	MACHINERY AND EQUIPMENT	13.9.3	Tools, fixtures and elements of machinery and equipment
13.2.1	Hand-operated welding, surfacing and cutting machinery and equipment		for welding and related technologies (pneumatic, hydraulic elements, etc.)
13.2.2	Machinery and equipment for gas shielded electric arc welding and surfacing (MIG, MAG)	13.9.4	Machinery and equipment for treating welded structures (vibration treatment, thermal treatment, etc.)
13.2.3	Inert gas-shielded arc welding and surfacing machinery and equipment by using	13.9.5	Defectoscopic technology for destructive and non-destructive weld tests
12.27	nonconsumable electrode (WIG or TIG) Submerged-arc welding and surfacing	13.9.6	Driers of consumables in welding areas Other elements, machines and consumables for welding, others
13.2.4	machinery and equipment	13.9.99	•
13.2.99	Machinery and equipment for welding, surfacing and arc cutting, others	13.10	METAL BONDING MACHINES
13.3	THERMAL SPRAY MACHINERY AND EQUIPMENT	13.11	WELDED STRUCTURES, SUB-SUPPLIES OF WELDED PARTS
	•	13.11.1	Weldments
13.3.99	Thermal spray machinery and equipment, others		
13.4	RESISTANCE-WELDING MACHINERY AND EQUIPMENT	RESEARCH, S AND METAL E	SERVICES AND INSTITUTIONS IN WELDING, CUTTING, SOLDERING
13.4.1 13.4.2	Machinery and equipment for spot welding Seam welding machinery and equipment	13.12.1	Research in welding, cutting, soldering
13.4.2	Machines and equipment for resistance projection welding		and metal bonding
13.4.4	Contact and flash welding machinery	13.12.2	Offers of manufacturing facilities in the areas of welding, cutting, soldering and metal bonding
13.4.5	and equipment Fused-slag welding machinery and equipment	13.12.3	Consulting in welding, cutting, soldering
13.4.99	Resistance welding machinery and equipment, others		and metal bonding
		13.12.4	Engineering and design services in welding, cutting, soldering and metal bonding
13.5	MACHINERY AND EQUIPMENT FOR PRESSURE WELDING (FRICTION, DIFFUSION, COLD, ULTRASOUND WELDING)	13.12.5	Welding, cutting, soldering and metal bonding machines and equipment service and repair
MACHINERY	AND EQUIPMENT FOR OTHER METHODS	13.12.6	Refurbished machines and equipment for welding, cutting,
	S, CUTTING AND SOLDERING	13.12.7	soldering and metal bonding Manufacture of prototype and single-purpose equipment
13.6.1 13.6.2	Equipment for aluminothermic welding Plasma welding machinery and equipment	1311217	for welding, cutting, soldering and metal bonding
13.6.3	Laser-beam welding machinery and equipment	13.12.8	Technologies for welding, cutting, soldering and metal bonding
13.6.4	Electron-beam welding machinery	13.12.9	Execution of investment projects for welding, cutting,
13.6.5	and equipment	13.12.10	soldering and metal bonding Specialist literature, publications in the areas
13.6.6	Stud welding machinery and equipment Root-penetration welding machinery		of welding, cutting, soldering and metal bonding
	and equipment	13.12.11	Institutions and organisations in the areas
13.6.7	Machinery and equipment for welding plastics	13.12.12	of welding, cutting, soldering and metal bonding Vocational schools in the areas of welding, cutting, soldering
13.6.8 13.6.9	Soldering machinery and equipment Machinery and equipment for special methods of cutting	13.12.12	and metal bonding
13.6.10	Machinery and equipment for plasma cutting	13.12.13	Specialist courses and training in the areas
13.6.99	Machinery and equipment for other methods of welding,	13.12.99	of welding, cutting, soldering and metal bonding Research, services and institutions in welding, cutting,
	surfacing, cutting and soldering, others	13.12.99	soldering, and metal bonding – other
	L AND AUXILIARY MATERIALS		
13.7.1 13.7.2	Welding and cutting electrodes Welding wires, tube electrodes, strips and rods		
13.7.2	Solders		
13.7.4	Fluxes for welding and soldering		
13.7.5	Gases for welding, cutting and soldering		
13.7.6	Agents for pickling and passivating alloyed corrosion-proof steel welds		
13.7.7	Liquids, oils and sprays for welding and soldering		
13.7.99	Consumables and auxiliary materials, others		
13.8	ROBOTS, MANIPULATORS AND ACCESSORIES FOR WELDING TECHNOLOGIES		
13.8.1 13.8.2	Welding robots Single-purpose welding, material separating and positioning		
	manipulators		
13.8.3	Control, measurement, management and sensor systems, additional systems		
13.8.4	and subsystems Hardware and software for welding technologies		



10TH INTERNATIONAL SURFACE TECHNOLOGY FAIR

EQUIPMENT F	OR CLEANING AND TREATMENT OF SURFACES		SYSTEMS, ENAMELLING SYSTEMS, TING SYSTEMS
14.1.1	Tumbling machines	14.3.1	Equipment for pneumatic spraying
14.1.2	Blasting machines		of coating materials
14.1.2.1	High-pressure water jet blasting machines	14.3.2	Equipment for high-pressure spraying of coating materials
14.1.3	Brush machines	14.3.3	Equipment for spraying of heated coating
14.2.3.1	Equipment for electrolytic oxidation of aluminium		materials
		14.3.4	Equipment for dip coating
14.1.4	Degreasing and cleaning equipment	14.3.5	Equipment for glazing
14.1.4.1	Degreasing and cleaning equipment using	14.3.6	Drum coating machines
	organic solutions	14.3.7	Roller coating equipment
14.1.4.2	Degreasing and cleaning equipment using aqueous solutions	14.3.8	Electrostatic wet coating equipment
14.1.4.3	Vacuum degreasing plants	14.3.9	Powder coating equipment
14.1.4.4	Rust-removing equipment	14.3.9.1	Spray guns for electrostatic powder coating
14.1.4.5	Laser equipment for cleaning	14.3.9.2	Baking kilns for powder coating materials
14.1.4.6	Ultrasound equipment for cleaning		and their accessories
14.1.4.7	Micro-organism based cleaning and degreasing equipment		
14.1.4.99	Degreasing and cleaning equipment, other	14.3.10	Equipment for electrophoretic coating
14.1.5	Pickling plants	14.3.11	Booths for lacquering, drying and coat baking
14.1.6	Passivating plants	14.3.11.1	Fire protection for lacquering boots
14.1.7	Phosphatizing plants	14.3.11.2	IR radiation baking of coating materials
14.1.8	Chromating plants	14.3.11.3	Induction baking of coating materials
14.1.9	Varnish layer stripping and devarnishing plants	14.3.11.4	UV radiation curing of coating materials
		14.3.11.5	Electron-beam curing of coating materials
14.1.10	Agents and consumables for surface cleaning and		
	treatment equipment	14.3.12	Equipment for enamelling
14.1.10.1	Abrasive media for tumblers and blasting	14.3.13	Equipment for surface coating with plastics and rubber
4 / 4 40 0	machines	14.3.14	Conveyors for lacquering equipment
14.1.10.2	Cleaning and degreasing agents Rust removers	14.3.15	Robots, manipulators and accessories for surface treatment
14.1.10.3 14.1.10.4	Varnish removers	14.3.16	Compressors and pumps for lacquering
14.1.10.4	Antirust agents	14.5.10	equipment
14.1.10.6	Pickling agents		equipment
14.1.10.7	Chromating and phosphatazing agents	14.3.17	Coating materials and putties
14.1.10.99	Agents and consumables for surface cleaning	14.3.17.1	Synthetic coating materials
	and treatment equipment, other	14.3.17.2	Oil coating materials
		14.3.17.3	Bitumen coating materials
14.1.99	Surface cleaning and treatment equipment, other	14.3.17.4	Acrylate coating materials
		14.3.17.5	Acrylurethane coating materials
		14.3.17.6	Epoxy resin coating materials
ELECTROPLAT	TING EQUIPMENT	14.3.17.7	Epoxy ester coating materials
		14.3.17.8	Epoxy acrylate coating materials
14.2.1	Electroplating equipment	14.3.17.9	Polyurethane coating materials
14.2.2	Equipment for galvanic cleaning and polishing	14.3.17.10	Water-soluble paints
14.2.3	Equipment for electrolytic oxidation	14.3.17.11	Powder coating materials
1/2/	and colouring Equipment for electroforming	14.3.17.12	Thinners and solvents
14.2.4 14.2.5	Electric etching equipment	14.3.17.13	Putties for surface finishing
14.2.5	Electroplating systems for printed boards	14.3.17.14 14.3.17.99	Masking materials for lacquering plants Coating materials and putties, other
14.2.7	Strip galvanizing equipment	14.5.17.99	coacing materials and putties, other
14.2.8	Galvanizing lines	14.3.18	Nano-varnishes
14.2.9	Equipment for electroless (chemical) plating	14.3.19	Dyestuffs, pigments
	-quipment to: ettetiotopo (enterment) pranting	14.3.20	Enamels
14.2.10	Attachments and accessories for electroplating equipment	14.3.21	Foil for product surface finish
14.2.10.1	Electric current sources for electroplating equipment	-	•
14.2.10.2	Control and regulation devices for electroplating equipment	EQUIPMENT F	OR CHEMICAL AND HEAT METAL TREATMENT
14.2.10.3	Containers for electroplating		
14.2.10.4	Bath heaters for electrodeposition	14.4.1	Equipment for diffusion saturation
14.2.10.5	Baskets for electroplated products		of steel surface
14.2.10.6	Centrifuge drums for electroplating equipment	14.4.1.1	Case hardening equipment
14.2.10.7	Filtering equipment for electroplating equipment	14.4.1.2	Nitriding equipment
14.2.10.8	Recycling equipment for electroplating	14.4.1.3	Nitrocarburizing equipment
14.2.10.99	Accessories for electroplating equipment, other	14.4.1.4	Equipment for carbonitriding
		14.4.1.5	Equipment for sulpho-nitriding
14.2.11	Anodes for electroplating equipment	14.4.1.6	Equipment for boriding
14.2.12	Chemicals for electroplating technology	14.4.1.7	Equipment for alitizing
14.2.99	Electroplating equipment, other		





14.4.2	Furnaces for chemical and thermal treatment of surfaces	· · · · · · · · · · · · · · · · · · ·	IEASURING AND TESTING DEVICES
	and their accessories	FOR SURFACE	TREATMENT
14.4.3	Solid, liquid and gaseous substances for chemical		
	and thermal treatment of surfaces	14.9.1	Computer management systems for surface treatment
			enterprises
14.4.99	Equipment for chemical and thermal treatment of surfaces,	14.9.2	Software for support of quality assurance
	other		and management (CAQ)
		14.9.3	CAD, CAM and CIM for surface treatment
	LASMA COATING TECHNOLOGIES	14.9.4	Regulation and control equipment for surface treatment
14.5.1	Laser coating technologies		technologies
14.5.2	Physical Vapour Deposition (PVD) plants		
14.5.3	Chemical Vapour Deposition (CVD) plants	14.9.5	Measuring and testing devices for surface treatment
14.5.4	Plasma technologies for ion beam coating		applications
14.5.5	Vacuum components and accessories	14.9.5.1	Nano-technologies testing and measuring
44.5.00	for laser and plasma coating technologies		instruments
14.5.99	Laser and plasma coating technologies, other	14.9.99	Community management and together devices
1/6	FOLITOMENT FOR THERMAL CREAVING	14.9.99	Computer, measuring and testing devices
14.6	EQUIPMENT FOR THERMAL SPRAYING		for surface treatment, other
14.6.1	Flame metal spraying equipment	DECEARCH C	EDUTORS AND INSTITUTIONS IN SUDEASE TREATMENT SECTOR
14.6.2	Arc metal spraying equipment	KESEAKCH, SI	ERVICES AND INSTITUTIONS IN SURFACE TREATMENT SECTOR
14.6.3	Plasma metal spraying equipment	14.10.1	December of the state of the st
14.6.99	Plants for thermal spraying, other	14.10.1	Research in surface treatment technologies
CDECTAL CVCT	EMS FOR SURFACE TREATMENT	14.10.2	Offers of production facilities in surface treatment sector
SPECIAL STSI	EMS FOR SURFACE IREAIMENT		Offers of production facilities in surface treatment sector
4/74	Th	14.10.2.1	Custom cleaning and pre-treatment of surfaces
14.7.1	Thermal surface treatment systems	14.10.2.2	Custom electroplating
14.7.1.1	Annealing plants	4 / 40 0 0	
14.7.1.2	Hardening and tempering plants	14.10.2.3	Custom heat treatment of metals
14.7.1.3	Annealing, hardening and tempering furnaces and their	14.10.2.3.1	Customized quenching and annealing
1/71/	accessories	1/102/	Custom shaminal and hast twenting out of materia
14.7.1.4	Hardening baths and materials	14.10.2.4	Custom chemical and heat treatment of metals
14.7.2	Browning and black-finishing plants	1/ 10 2 5	Custom technical coating applications
14.7.2		14.10.2.5	
	Equipment for metal spraying	14.10.2.5.1	Custom PVD and CVD coating of tools
14.7.4	Hot galvanization plants	4/4006	Contraction
14.7.5	Hot-dip tinning plants	14.10.2.6	Custom lacquering
14.7.6	Polishing, grinding and lapping equipment	14.10.2.7	Custom hexabasic chromium free corrosion protection
44 = =	and accessories	14.10.2.8	Custom metal spraying of surfaces
14.7.7	Non-thermal surface hardening systems	14.10.2.9	Customized hot galvanizing
14.7.8	Tampon printing, silkscreen printing	14.10.2.10	Customized thermal coating
4470	To do about a conference of the contract	14.10.2.11	Customized cladding
14.7.9	Industrial surface marking systems	4 / 40 0 40	
14.7.9.1	Equipment for electro-chemical marking	14.10.2.12	Custom application of plastic coatings
14.7.9.2	Micro-impact marking machines	14.10.2.12.1	Custom fluoroplastic coating
14.7.9.3	Equipment for surface marking by film application	4/400	
14.7.9.4	Self-adhesive materials	14.10.3	Consultancy in surface treatment technologies
4/705	Caribian and an arrain an arrabian	14.10.4	Surface treatment engineering and design services
14.7.9.5	Scribing and engraving machines	14.10.5	Service and repair of machines and equipment
	and equipment		for surface treatment applications
14.7.9.5.1	Laser marking and scribing machines	14.10.6	Refurbished machines and equipment
1/706	Mandalan malakana	47.40.7	for surface treatment
14.7.9.6	Marking printers	14.10.7	Manufacture of prototype and single-purpose equipment
14.7.9.7	Labelling devices		for surface treatment
14.7.9.8	Embossing dies		
14.7.9.9	Embossing guns	14.10.8	Surface treatment technologies
14.7.9.10	Embossing presses	14.10.8.1	Surface treatment technology projects
14.7.9.99	Industrial equipment for surface marking, other	14.10.8.2	Technological supplies for the surface treatment industry
14 7 00	Charial curface treatment customs ather	14 10 0	Everytion of investment projects in surface treatment sector
14.7.99	Special surface treatment systems, other	14.10.9	Execution of investment projects in surface treatment sector
ENVIDONMEN	TAL PROTECTION SYSTEMS	14.10.10	Financial services and leasing in surface treatment sector
	TREATMENT TECHNOLOGIES	14 10 11	
14.8.1	Water treatment plants for surface technology	14.10.11	Technical literature and publications for surface treatment applications
14.8.2	,	14.10.12	
14.0.2	Waste water treatment plants for surface	14.10.12	Institutions and organisations in surface treatment sector
14.8.3	technologies Waste gas cleaning plants for surface	14.10.15	Vocational training schools specializing in surface treatment systems
14.0.3		14 10 14	Specialist courses and education in surface treatment
1404	treatment technology	14.10.14	
14.8.4	Surface treatment waste disposal		systems
14.8.5	Consultancy in environmental protection	14.10.99	Possarch convices institutions in surface treatment
14.8.99	systems for surface treatment technologies Environmental protection systems for surface treatment	14.10.99	Research, services, institutions in surface treatment sector, other
14.0.77	technologies, other		Sector, other
	technologies, other		



9^{TH} INTERNATIONAL PLASTICS, RUBBER AND COMPOSITES FAIR

POLYMERS - RAW MATERIALS AND AUXILIARIES

POLYMERS – RAW MATERIALS AND AUXILIARIES			
15.1.1	Thermoplastics	15.1.2	Thermoplastic elastomers (TPE)
15.1.1	mermoptastics	15.1.3	Thermosetting plastics
15.1.1.1	Polyolefins	15.1.3.1	Phenol moulding compounds (PF)
13.1.1.1	rotyoterms	15.1.3.1	Aminoplastic moulding compounds
15 1 1 1 1	Polyethylenes (PE)	15.1.3.2	Polyester resins unsaturated (UP)
15.1.1.1.1			
15.1.1.1.1.1	Ultra low density polyethylenes (ULDPE)	15.1.3.4	Epoxy resins (EP)
15.1.1.1.2	Low density polyethylenes (LDPE)	15.1.3.5	Highly heat-resistant thermosetting plastics
15.1.1.1.3	Linear low density polyethylenes (LLDPE)	15.1.3.99	Thermosetting plastics – other
15.1.1.1.4	Medium-density polyethylenes (MDPE)		- 4 4 4
15.1.1.1.5	High-density polyethylenes (HDPE)	15.1.4	Polyurethanes (PUR)
15.1.1.1.1.6	High molecular weight high-density polyethylenes	15.1.4.1	Unextended polyurethanes
	(HMW-HDPE)	15.1.4.2	PUR flexible foam systems
15.1.1.1.7	Ultra-high molecular weight high-density polyethylenes	15.1.4.3	PUR rigid foam systems
	(UHMW-HDPE)	15.1.4.4	PUR integral foam systems
15.1.1.1.1.8	Modified PE, copolymers, degradable types	15.1.4.5	Polyurethane elastomers
15.1.1.1.99	Polyethylenes, other	15.1.4.99	Polyurethanes (PUR) – other
15 1 1 1 2	Dalumuan dan aa (DD)	15 1 5	Dukkawa and uniaaninad mukkawa
15.1.1.1.2	Polypropylenes (PP)	15.1.5	Rubbers and vulcanized rubbers
15.1.1.1.3	Polybutene (PB) and polyisobutylene (PIB)		
15.1.1.1.99	Polyolefins – other	15.1.6	Polymer materials for manufacture of coating materials
		15.1.6.1	Polymers for manufacture of transparent lacquers
15.1.1.2	Polustyrene plastics	15.1.6.2	Polymers for manufacture of pigmented paints and enamels
15.1.1.2.1	Polystyrene (PS)		
15.1.1.2.2	Expandable polystyrene (EPS)	15.1.7	Polymer materials for manufacture of adhesives
15.1.1.2.3	Rigid polystyrene (S/B, HIPS)		
15.1.1.2.4	Styrene-acrylonitrile copolymers (SAN)	15.1.8	Polymers and fillers for manufacture of cements
15.1.1.2.5	Acrylonitrile-butadiene-styrene (ABS)	15.1.8.1	Polymers for manufacture of thermoplastic cements
15.1.1.2.99	Styrene copolymers, multipolymers and blends – other		·
		15.1.9	Additives and fillers for processing of plastics and rubber
15.1.1.3	Vinyl chloride plastics		blends
15.1.1.4	Fluoroplastics	15.1.9.1	Additives and fillers for processing of plastics
15.1.1.4.1	Polytetrafluorethylene (PTFE)	15.1.9.1.1	Dyestuffs, pigments for plastics
15.1.1.4.99	Fluoroplastics, other	15.1.9.1.2	Dyestuffs and additives for plastics in the form
			of concentrates (masterbatches)
15.1.1.5	Acrylates	15.1.9.1.3	Fillers
15.1.1.5.1	Polymethylmetacrylate (PMMA)	15.1.9.1.4	Plasticizers
15.1.1.5.2	Copolymers and acrylate blends	15.1.9.1.5	Stabilizers (thermo-oxidation, etc.)
131111312	copolymers and acrytace stemas	15.1.9.1.6	Antistatic agents
15.1.1.6	Polyoxymethylene (POM)	15.1.9.1.7	Flame retarding agents
13.1.1.0	r otgoxymethytene (r orr)	15.1.9.1.8	Crosslinking agents
15.1.1.7	Polyamides (PA)	15.1.9.1.9	Nucleating agents
15.1.1.7	Polyamides PA 6	15.1.9.1.10	Agents facilitating preparation of polymer blends
15.1.1.7.1	Polyamides PA 66	13.1.9.1.10	(compatibilizators)
	•	15 1 0 1 11	,
15.1.1.7.3	Polyamides PA 11	15.1.9.1.11	
15.1.1.7.4	Polyamides PA 12	15.1.9.1.12	Dispersing agents
15.1.1.7.5	Polyamides PA 46, 610, 612	15.1.9.1.13	Not genuine solvents
15.1.1.7.6	Polyamides – other types	15.1.9.1.14	Lubricants, waxes for processing of plastics
15.1.1.7.7	Aromatic polyamides (polyarylamides)	15.1.9.1.15	Separating agents
15.1.1.7.8	Copolymers and polyamide alloys	15.1.9.1.99	Additives and fillers for processing of plastics – other
15 1 1 0	Polyarylostors	15 1 0 2	Additives and fillers for processing of rubber blands
15.1.1.8	Polyarylesters Polyarylesters (PC)	15.1.9.2	Additives and fillers for processing of rubber blends
15.1.1.8.1	Polycarbonates (PC) Copolymers and polyarylester blends	15.1.10	Biopolymers
15.1.1.8.2			
15.1.1.8.3	Polyethylen terephthalate (PETP, PET)	15.1.11	Synthetic polymer-based ion exchange resins
15.1.1.8.4	Polybutylene terephthalate (PBTP)	45.4.00	B
15.1.1.8.5	Polyarylates (PAR, PEC)	15.1.99	Polymers – raw materials and additives – other
15.1.1.9	Polysulfides		
15.1.1.9.1	Polyphenylene sulfide (PPS)	MACHINES AN	ND EQUIPMENT FOR PROCESSING OF PLASTICS AND RUBBERS
13.1.1.3.1	. organishing such as (110)		IIII I ON I NOCESSERIO OF I ENGILES MILE NOUBLING
15.1.1.10	Polysulfones	15.2.1	Machines for treatment of polymer materials
15.1.1.11	Thermoplastic polyimides (PI)	15.2.1.1	Mixing and kneading machines
15.1.1.12	Liquid crystal polymers (LCP)	15.2.1.2	Crushing machines
15.1.1.13	Polyphenylene oxides (POP, PPE) and their blends	15.2.1.3	Filtration systems
15.1.1.14	Polyetheretherketone (PEEK)	15.2.1.4	Machines for manufacture of plastics and rubbers mixtures
15.1.1.15	Cellulose derivatives	15.2.1.99	Machines for treatment of polymer materials – other
15.1.1.16	Highly heat-resistant thermoplastics		
	- •		
15.1.1.99	Thermoplastics, other		





15.2.2	Calenders – rolling machines	15.2.14.10	Digital scales
15.2.2.1	Machines and lines for production of plastic sheets	15.2.14.11	Equipment for separation of gate and culls from castings
	and floorings	15.2.14.12	Robots and handling devices for plastics
			and rubber processing machines
15.2.3	Extruders – extruding machines for plastic and rubber	15.2.14.13	Systems for automatic mould changing
	blends	15.2.14.14	Belt conveyors for mouldings
		15.2.14.99	Ancillary machines and equipment for plastics and rubber
15.2.3.1	Extruders for plastic materials		industries – other
15.2.3.1.1	Machines and lines for production of boards, sheets, pipes		mada tab
15.2.5.1.1	and sections of thermoplastics	15.2.15	Dying units for plastic materials
	and sections of thermoplastics	15.2.16	Equipment for intake and treatment of air
15.2.3.2	Extruders for rubber industry	13.2.10	and other gases for technological purposes
15.2.3.2.1	Extrading equipment for rubber	15.2.17	Deflashing machines for plastic and rubber components
13.2.3.2.1	Excluding equipment for labber	15.2.17	Plastics thermoforming machines
15.2.4	Moulding machines for thermosetting plactics	13.2.10	rastics thermore mind machines
15.2.4	Moulding machines for thermosetting plastics	15.2.19	Markings and flutures for welding of plantice
15 0 / 1	and rubber		Machines and fixtures for welding of plastics
15.2.4.1	Injection moulding machines for thermosetting plastics	15.2.19.1	Machines for welding plastic sheets
	and rubber blends		
15.2.4.2	Multibank presses for manufacture of laminated materials	15.2.20	Machines for chip working of plastics
		15.2.21	Machines and equipment for finishing operations
15.2.5	Injection moulding machines	15.2.22	Machines, equipment and materials for finishing,
15.2.5.1	Hydraulic injection moulding machines		decorating, printing and marking plastic and rubbers
15.2.5.2	Hybrid (electrical and hydraulic) injection moulding		products
	machines	15.2.23	Equipment and technologies for Rapid Prototyping, Rapid
15.2.5.3	Electrical injection moulding machines		Tooling and Room Temperature Vulcanization
15.2.5.4	Multi-colour and multi-component injection moulding	15.2.24	Process control equipment of machines
	machines		for plastics and rubber industries
15.2.5.5	Injection moulding machines for thermosetting plastics		
15.2.5.6	Injection moulding machines for technical rubber	15.2.25	Parts and components of machines for plastics and rubber
15.2.5.0	articles	15.2.25	industries
15.2.5.7	Injection moulding machines with pressurized	15.2.25.1	Screws
13.2.3.7	inert gas	15.2.25.1	Hydraulic and pneumatic rollers
15 2 5 0	5		Rollers for calenders
15.2.5.8	Power injection ioulding (PIM) machines	15.2.25.3	
15.2.5.99	Injection moulding machines – other	15.2.25.4	Pumps for plastics and rubber processing machines
		15.2.25.5	Nozzles
15.2.6	Machinery for manufacture of foamed materials	15.2.25.6	Heating elements
	and processing of reactive resins	15.2.25.7	Machine blades
15.2.7	Curing presses	15.2.25.8	Clutches
15.2.8	Machines for manufacture of tyres	15.2.25.9	Electric motors and drives
15.2.9	Machines for manufacture of rubber hoses	15.2.25.99	Parts and components of machines for plastics and rubber
			industries, other
15.2.10	Blow moulding machines for manufacture		
			Equipment for neutralization and use of static electricity in
	of hollow articles	15.2.26	Equipment for neutralization and use of static electricity in
15.2.10.1	of hollow articles Extruding blow moulding machines	15.2.26	manufacture
		15.2.26	
15.2.10.1	Extruding blow moulding machines		manufacture
15.2.10.1 15.2.10.2	Extruding blow moulding machines Injection blow moulding machines	15.2.26 15.2.99	manufacture Machines and equipment for processing
15.2.10.1	Extruding blow moulding machines Injection blow moulding machines Casting machines and equipment for liquid polymer		manufacture
15.2.10.1 15.2.10.2	Extruding blow moulding machines Injection blow moulding machines	15.2.99	manufacture Machines and equipment for processing of plastics and rubber, other
15.2.10.1 15.2.10.2 15.2.11	Extruding blow moulding machines Injection blow moulding machines Casting machines and equipment for liquid polymer processing		manufacture Machines and equipment for processing of plastics and rubber, other
15.2.10.1 15.2.10.2	Extruding blow moulding machines Injection blow moulding machines Casting machines and equipment for liquid polymer	15.2.99 COMPOSITE M	manufacture Machines and equipment for processing of plastics and rubber, other IATERIALS
15.2.10.1 15.2.10.2 15.2.11	Extruding blow moulding machines Injection blow moulding machines Casting machines and equipment for liquid polymer processing Equipment for plastic or rubber coating	15.2.99	manufacture Machines and equipment for processing of plastics and rubber, other
15.2.10.1 15.2.10.2 15.2.11 15.2.12 15.2.13	Extruding blow moulding machines Injection blow moulding machines Casting machines and equipment for liquid polymer processing Equipment for plastic or rubber coating Moulds, tools and jigs	15.2.99 COMPOSITE M 15.3.1	manufacture Machines and equipment for processing of plastics and rubber, other IATERIALS Composite reinforcements
15.2.10.1 15.2.10.2 15.2.11 15.2.12 15.2.13 15.2.13.1	Extruding blow moulding machines Injection blow moulding machines Casting machines and equipment for liquid polymer processing Equipment for plastic or rubber coating Moulds, tools and jigs Injection moulds	15.2.99 COMPOSITE M	manufacture Machines and equipment for processing of plastics and rubber, other IATERIALS
15.2.10.1 15.2.10.2 15.2.11 15.2.12 15.2.13 15.2.13.1 15.2.13.2	Extruding blow moulding machines Injection blow moulding machines Casting machines and equipment for liquid polymer processing Equipment for plastic or rubber coating Moulds, tools and jigs Injection moulds Blow moulds	15.2.99 COMPOSITE M 15.3.1 15.3.1.1	Machines and equipment for processing of plastics and rubber, other IATERIALS Composite reinforcements Reinforcing fibres
15.2.10.1 15.2.10.2 15.2.11 15.2.12 15.2.13 15.2.13.1 15.2.13.2 15.2.13.3	Extruding blow moulding machines Injection blow moulding machines Casting machines and equipment for liquid polymer processing Equipment for plastic or rubber coating Moulds, tools and jigs Injection moulds Blow moulds Compression moulds	15.2.99 COMPOSITE M 15.3.1 15.3.1.1 15.3.1.1	Machines and equipment for processing of plastics and rubber, other IATERIALS Composite reinforcements Reinforcing fibres Glass fibres
15.2.10.1 15.2.10.2 15.2.11 15.2.12 15.2.13 15.2.13.1 15.2.13.2 15.2.13.3 15.2.13.4	Extruding blow moulding machines Injection blow moulding machines Casting machines and equipment for liquid polymer processing Equipment for plastic or rubber coating Moulds, tools and jigs Injection moulds Blow moulds Compression moulds Moulds, tools and jigs for extruders	15.2.99 COMPOSITE M 15.3.1 15.3.1.1 15.3.1.1.1	Machines and equipment for processing of plastics and rubber, other IATERIALS Composite reinforcements Reinforcing fibres Glass fibres Glass rovings
15.2.10.1 15.2.10.2 15.2.11 15.2.12 15.2.13 15.2.13.1 15.2.13.2 15.2.13.3 15.2.13.4 15.2.13.5	Extruding blow moulding machines Injection blow moulding machines Casting machines and equipment for liquid polymer processing Equipment for plastic or rubber coating Moulds, tools and jigs Injection moulds Blow moulds Compression moulds Moulds, tools and jigs for extruders Standardized parts for moulds, tools and jigs	15.2.99 COMPOSITE M 15.3.1 15.3.1.1 15.3.1.1.1 15.3.1.1.1.1 15.3.1.1.1.2	Machines and equipment for processing of plastics and rubber, other IATERIALS Composite reinforcements Reinforcing fibres Glass fibres Glass rovings Textile glass fabric
15.2.10.1 15.2.10.2 15.2.11 15.2.12 15.2.13 15.2.13.1 15.2.13.2 15.2.13.3 15.2.13.4 15.2.13.5 15.2.13.6	Extruding blow moulding machines Injection blow moulding machines Casting machines and equipment for liquid polymer processing Equipment for plastic or rubber coating Moulds, tools and jigs Injection moulds Blow moulds Compression moulds Moulds, tools and jigs for extruders Standardized parts for moulds, tools and jigs Heated injection systems	15.2.99 COMPOSITE M 15.3.1 15.3.1.1 15.3.1.1.1	Machines and equipment for processing of plastics and rubber, other IATERIALS Composite reinforcements Reinforcing fibres Glass fibres Glass rovings
15.2.10.1 15.2.10.2 15.2.11 15.2.12 15.2.13 15.2.13.1 15.2.13.2 15.2.13.3 15.2.13.4 15.2.13.5	Extruding blow moulding machines Injection blow moulding machines Casting machines and equipment for liquid polymer processing Equipment for plastic or rubber coating Moulds, tools and jigs Injection moulds Blow moulds Compression moulds Moulds, tools and jigs for extruders Standardized parts for moulds, tools and jigs Heated injection systems Hot air-channel systems	15.2.99 COMPOSITE M 15.3.1 15.3.1.1 15.3.1.1.1 15.3.1.1.1.1 15.3.1.1.1.2	Machines and equipment for processing of plastics and rubber, other IATERIALS Composite reinforcements Reinforcing fibres Glass fibres Glass rovings Textile glass fabric Textile glass mats
15.2.10.1 15.2.10.2 15.2.11 15.2.12 15.2.13 15.2.13.1 15.2.13.2 15.2.13.3 15.2.13.4 15.2.13.5 15.2.13.6	Extruding blow moulding machines Injection blow moulding machines Casting machines and equipment for liquid polymer processing Equipment for plastic or rubber coating Moulds, tools and jigs Injection moulds Blow moulds Compression moulds Moulds, tools and jigs for extruders Standardized parts for moulds, tools and jigs Heated injection systems	15.2.99 COMPOSITE M 15.3.1 15.3.1.1 15.3.1.1.1 15.3.1.1.1.1 15.3.1.1.1.2	Machines and equipment for processing of plastics and rubber, other IATERIALS Composite reinforcements Reinforcing fibres Glass fibres Glass rovings Textile glass fabric
15.2.10.1 15.2.10.2 15.2.11 15.2.12 15.2.13 15.2.13.1 15.2.13.2 15.2.13.3 15.2.13.4 15.2.13.5 15.2.13.6 15.2.13.7	Extruding blow moulding machines Injection blow moulding machines Casting machines and equipment for liquid polymer processing Equipment for plastic or rubber coating Moulds, tools and jigs Injection moulds Blow moulds Compression moulds Moulds, tools and jigs for extruders Standardized parts for moulds, tools and jigs Heated injection systems Hot air-channel systems	15.2.99 COMPOSITE M 15.3.1 15.3.1.1 15.3.1.1.1 15.3.1.1.1.2 15.3.1.1.1.3 15.3.1.1.99	Machines and equipment for processing of plastics and rubber, other IATERIALS Composite reinforcements Reinforcing fibres Glass fibres Glass rovings Textile glass fabric Textile glass mats
15.2.10.1 15.2.10.2 15.2.11 15.2.12 15.2.13 15.2.13.1 15.2.13.2 15.2.13.3 15.2.13.4 15.2.13.5 15.2.13.6 15.2.13.7	Extruding blow moulding machines Injection blow moulding machines Casting machines and equipment for liquid polymer processing Equipment for plastic or rubber coating Moulds, tools and jigs Injection moulds Blow moulds Compression moulds Moulds, tools and jigs for extruders Standardized parts for moulds, tools and jigs Heated injection systems Hot air-channel systems	15.2.99 COMPOSITE M 15.3.1 15.3.1.1 15.3.1.1.1 15.3.1.1.1.1 15.3.1.1.1.2 15.3.1.1.1.3	Machines and equipment for processing of plastics and rubber, other IATERIALS Composite reinforcements Reinforcing fibres Glass fibres Glass rovings Textile glass fabric Textile glass mats
15.2.10.1 15.2.10.2 15.2.11 15.2.12 15.2.13 15.2.13.1 15.2.13.2 15.2.13.3 15.2.13.4 15.2.13.5 15.2.13.6 15.2.13.7 15.2.13.99	Extruding blow moulding machines Injection blow moulding machines Casting machines and equipment for liquid polymer processing Equipment for plastic or rubber coating Moulds, tools and jigs Injection moulds Blow moulds Compression moulds Moulds, tools and jigs for extruders Standardized parts for moulds, tools and jigs Heated injection systems Hot air-channel systems Moulds, tools and jigs, other Ancillary machines and equipment for plastics and rubber industries	15.2.99 COMPOSITE M 15.3.1 15.3.1.1 15.3.1.1.1 15.3.1.1.1.2 15.3.1.1.1.3 15.3.1.1.99	Machines and equipment for processing of plastics and rubber, other IATERIALS Composite reinforcements Reinforcing fibres Glass fibres Glass rovings Textile glass fabric Textile glass mats Reinforcing fibres, other
15.2.10.1 15.2.10.2 15.2.11 15.2.12 15.2.13 15.2.13.1 15.2.13.2 15.2.13.3 15.2.13.4 15.2.13.5 15.2.13.6 15.2.13.7 15.2.13.99	Extruding blow moulding machines Injection blow moulding machines Casting machines and equipment for liquid polymer processing Equipment for plastic or rubber coating Moulds, tools and jigs Injection moulds Blow moulds Compression moulds Moulds, tools and jigs for extruders Standardized parts for moulds, tools and jigs Heated injection systems Hot air-channel systems Moulds, tools and jigs, other Ancillary machines and equipment for plastics	15.2.99 COMPOSITE M 15.3.1 15.3.1.1 15.3.1.1.1 15.3.1.1.1.2 15.3.1.1.1.3 15.3.1.1.99	Machines and equipment for processing of plastics and rubber, other IATERIALS Composite reinforcements Reinforcing fibres Glass fibres Glass rovings Textile glass fabric Textile glass mats Reinforcing fibres, other
15.2.10.1 15.2.10.2 15.2.11 15.2.12 15.2.13 15.2.13.1 15.2.13.2 15.2.13.3 15.2.13.4 15.2.13.5 15.2.13.6 15.2.13.7 15.2.13.99 15.2.14	Extruding blow moulding machines Injection blow moulding machines Casting machines and equipment for liquid polymer processing Equipment for plastic or rubber coating Moulds, tools and jigs Injection moulds Blow moulds Compression moulds Moulds, tools and jigs for extruders Standardized parts for moulds, tools and jigs Heated injection systems Hot air-channel systems Moulds, tools and jigs, other Ancillary machines and equipment for plastics and rubber industries	15.2.99 COMPOSITE M 15.3.1 15.3.1.1 15.3.1.1.1 15.3.1.1.1.2 15.3.1.1.1.3 15.3.1.1.99 15.3.1.99	Machines and equipment for processing of plastics and rubber, other IATERIALS Composite reinforcements Reinforcing fibres Glass fibres Glass rovings Textile glass fabric Textile glass mats Reinforcing fibres, other Composite reinforcements, other
15.2.10.1 15.2.10.2 15.2.11 15.2.12 15.2.13 15.2.13.1 15.2.13.2 15.2.13.4 15.2.13.5 15.2.13.6 15.2.13.7 15.2.13.99 15.2.14	Extruding blow moulding machines Injection blow moulding machines Casting machines and equipment for liquid polymer processing Equipment for plastic or rubber coating Moulds, tools and jigs Injection moulds Blow moulds Compression moulds Moulds, tools and jigs for extruders Standardized parts for moulds, tools and jigs Heated injection systems Hot air-channel systems Moulds, tools and jigs, other Ancillary machines and equipment for plastics and rubber industries Silos and their accessories Granulate driers	15.2.99 COMPOSITE M 15.3.1 15.3.1.1 15.3.1.1.1 15.3.1.1.1.2 15.3.1.1.1.3 15.3.1.1.99 15.3.1.99	Machines and equipment for processing of plastics and rubber, other IATERIALS Composite reinforcements Reinforcing fibres Glass fibres Glass rovings Textile glass fabric Textile glass mats Reinforcing fibres, other Composite reinforcements, other Materials for polymer matrices Machines and equipment for manufacture
15.2.10.1 15.2.10.2 15.2.11 15.2.12 15.2.13 15.2.13.1 15.2.13.2 15.2.13.3 15.2.13.4 15.2.13.5 15.2.13.6 15.2.13.7 15.2.13.99 15.2.14 15.2.14.1 15.2.14.1 15.2.14.2 15.2.14.3	Extruding blow moulding machines Injection blow moulding machines Casting machines and equipment for liquid polymer processing Equipment for plastic or rubber coating Moulds, tools and jigs Injection moulds Blow moulds Compression moulds Moulds, tools and jigs for extruders Standardized parts for moulds, tools and jigs Heated injection systems Hot air-channel systems Moulds, tools and jigs, other Ancillary machines and equipment for plastics and rubber industries Silos and their accessories Granulate driers Conveyors	15.2.99 COMPOSITE M 15.3.1 15.3.1.1 15.3.1.1.1 15.3.1.1.1.2 15.3.1.1.1.3 15.3.1.1.99 15.3.1.99	Machines and equipment for processing of plastics and rubber, other IATERIALS Composite reinforcements Reinforcing fibres Glass fibres Glass rovings Textile glass fabric Textile glass mats Reinforcing fibres, other Composite reinforcements, other Materials for polymer matrices
15.2.10.1 15.2.11 15.2.12 15.2.13 15.2.13.1 15.2.13.2 15.2.13.3 15.2.13.4 15.2.13.5 15.2.13.6 15.2.13.7 15.2.13.99 15.2.14 15.2.14.1 15.2.14.2 15.2.14.1	Extruding blow moulding machines Injection blow moulding machines Casting machines and equipment for liquid polymer processing Equipment for plastic or rubber coating Moulds, tools and jigs Injection moulds Blow moulds Compression moulds Moulds, tools and jigs for extruders Standardized parts for moulds, tools and jigs Heated injection systems Hot air-channel systems Moulds, tools and jigs, other Ancillary machines and equipment for plastics and rubber industries Silos and their accessories Granulate driers Conveyors Metal separators	15.2.99 COMPOSITE M 15.3.1 15.3.1.1 15.3.1.1.1 15.3.1.1.1.2 15.3.1.1.1.3 15.3.1.1.99 15.3.1.99 15.3.2 15.3.3	Machines and equipment for processing of plastics and rubber, other IATERIALS Composite reinforcements Reinforcing fibres Glass fibres Glass rovings Textile glass fabric Textile glass mats Reinforcing fibres, other Composite reinforcements, other Materials for polymer matrices Machines and equipment for manufacture of prepregs
15.2.10.1 15.2.11 15.2.12 15.2.13 15.2.13.1 15.2.13.2 15.2.13.3 15.2.13.4 15.2.13.5 15.2.13.6 15.2.13.7 15.2.13.99 15.2.14 15.2.14.1 15.2.14.2 15.2.14.2 15.2.14.3 15.2.14.4 15.2.14.5	Extruding blow moulding machines Injection blow moulding machines Casting machines and equipment for liquid polymer processing Equipment for plastic or rubber coating Moulds, tools and jigs Injection moulds Blow moulds Compression moulds Moulds, tools and jigs for extruders Standardized parts for moulds, tools and jigs Heated injection systems Hot air-channel systems Moulds, tools and jigs, other Ancillary machines and equipment for plastics and rubber industries Silos and their accessories Granulate driers Conveyors Metal separators Granulate suction equipment	15.2.99 COMPOSITE M 15.3.1 15.3.1.1 15.3.1.1.1 15.3.1.1.1.2 15.3.1.1.1.3 15.3.1.1.99 15.3.1.99	Machines and equipment for processing of plastics and rubber, other IATERIALS Composite reinforcements Reinforcing fibres Glass fibres Glass rovings Textile glass fabric Textile glass mats Reinforcing fibres, other Composite reinforcements, other Materials for polymer matrices Machines and equipment for manufacture of prepregs Technologies, machines and equipment for manufacture of
15.2.10.1 15.2.11 15.2.12 15.2.13 15.2.13.1 15.2.13.2 15.2.13.3 15.2.13.4 15.2.13.5 15.2.13.6 15.2.13.7 15.2.13.99 15.2.14 15.2.14.1 15.2.14.2 15.2.14.3 15.2.14.3 15.2.14.4 15.2.14.5 15.2.14.6	Extruding blow moulding machines Injection blow moulding machines Casting machines and equipment for liquid polymer processing Equipment for plastic or rubber coating Moulds, tools and jigs Injection moulds Blow moulds Compression moulds Moulds, tools and jigs for extruders Standardized parts for moulds, tools and jigs Heated injection systems Hot air-channel systems Moulds, tools and jigs, other Ancillary machines and equipment for plastics and rubber industries Silos and their accessories Granulate driers Conveyors Metal separators Granulate suction equipment Dosing equipment	15.2.99 COMPOSITE M 15.3.1 15.3.1.1.1 15.3.1.1.1.1 15.3.1.1.1.2 15.3.1.1.1.3 15.3.1.1.99 15.3.1 15.3.1 15.3.1 15.3.1	Machines and equipment for processing of plastics and rubber, other IATERIALS Composite reinforcements Reinforcing fibres Glass fibres Glass rovings Textile glass fabric Textile glass mats Reinforcing fibres, other Composite reinforcements, other Materials for polymer matrices Machines and equipment for manufacture of prepregs Technologies, machines and equipment for manufacture of thermosetting matrix fibre composites
15.2.10.1 15.2.11 15.2.12 15.2.13 15.2.13.1 15.2.13.2 15.2.13.3 15.2.13.4 15.2.13.5 15.2.13.6 15.2.13.7 15.2.13.99 15.2.14 15.2.14.1 15.2.14.2 15.2.14.3 15.2.14.4 15.2.14.5 15.2.14.6 15.2.14.7	Extruding blow moulding machines Injection blow moulding machines Casting machines and equipment for liquid polymer processing Equipment for plastic or rubber coating Moulds, tools and jigs Injection moulds Blow moulds Compression moulds Moulds, tools and jigs for extruders Standardized parts for moulds, tools and jigs Heated injection systems Hot air-channel systems Moulds, tools and jigs, other Ancillary machines and equipment for plastics and rubber industries Silos and their accessories Granulate driers Conveyors Metal separators Granulate suction equipment Dosing equipment Heating technology	15.2.99 COMPOSITE M 15.3.1 15.3.1.1 15.3.1.1.1 15.3.1.1.1.2 15.3.1.1.1.3 15.3.1.1.99 15.3.1 15.3.4 15.3.4.1	Machines and equipment for processing of plastics and rubber, other IATERIALS Composite reinforcements Reinforcing fibres Glass fibres Glass rovings Textile glass fabric Textile glass mats Reinforcing fibres, other Composite reinforcements, other Materials for polymer matrices Machines and equipment for manufacture of prepregs Technologies, machines and equipment for manufacture of thermosetting matrix fibre composites Hot pressing technologies (BMC or DMC)
15.2.10.1 15.2.11 15.2.12 15.2.13 15.2.13.1 15.2.13.2 15.2.13.3 15.2.13.4 15.2.13.5 15.2.13.6 15.2.13.7 15.2.13.99 15.2.14 15.2.14.1 15.2.14.2 15.2.14.3 15.2.14.3 15.2.14.4 15.2.14.5 15.2.14.6	Extruding blow moulding machines Injection blow moulding machines Casting machines and equipment for liquid polymer processing Equipment for plastic or rubber coating Moulds, tools and jigs Injection moulds Blow moulds Compression moulds Moulds, tools and jigs for extruders Standardized parts for moulds, tools and jigs Heated injection systems Hot air-channel systems Moulds, tools and jigs, other Ancillary machines and equipment for plastics and rubber industries Silos and their accessories Granulate driers Conveyors Metal separators Granulate suction equipment Dosing equipment	15.2.99 COMPOSITE M 15.3.1 15.3.1.1.1 15.3.1.1.1.1 15.3.1.1.1.2 15.3.1.1.1.3 15.3.1.1.99 15.3.1 15.3.1 15.3.1 15.3.1	Machines and equipment for processing of plastics and rubber, other IATERIALS Composite reinforcements Reinforcing fibres Glass fibres Glass rovings Textile glass fabric Textile glass mats Reinforcing fibres, other Composite reinforcements, other Materials for polymer matrices Machines and equipment for manufacture of prepregs Technologies, machines and equipment for manufacture of thermosetting matrix fibre composites



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15.3.4.4	Resin Transfer Moulding (RTM) technologies	15.4.2.25	Linings and panelling of plants, equipment for transport
15.3.4.5	Vacuum Assisted RTM (VARTM) technologies		and storage of bulk and abrasive materials
15.3.4.6	Seeman Composite Resin Infusion Moulding Process (SCRIMP)	15.4.2.26	Masts
	technologies	15.4.2.27	Sound protecting, thermal and waterproofing parts, panels
15.3.4.7	Pultrusion technologies		and fillings
15.3.4.8	Sheet Moulding Composed (SMC) technologies	15.4.2.28	Facade lining and decorative panels, roofing
15.3.4.99	Technologies, machines and equipment for manufacture of	15.4.2.29	Electric insulation boards and components
	thermosetting matrix fibre composites, other	15.4.2.30	Oversize and small boxes, covers and lids
		15.4.2.31	Fillets, furniture strips and components
15.3.5	Technologies, machines and equipment for manufacture of	15.4.2.32	Sacks, bags
	thermosetting matrix fibre composites	15.4.2.33	Cups, mugs, plates, trays and kitchen utensils
15.3.6	Technology of particle composites with polymer matrix	15.4.2.34	Floor coverings, industrial carpets
15.3.7	Technology of composites with metal matrix	15.4.2.35	Synthetical leather, plastic coated paper or textile products
15.3.8	Technology of composites with ceramic matrix	15.4.2.36	Protective and safety aids
15.3.9	Nanocomposites		
45.240	6 . 6 . 1	15.4.2.99	Plastic products, other
15.3.10	Semi-finished composite products	45 / 0	pt it is a state
15.3.10.1	Composite structural sections, rods, pipes, boards	15.4.3	Plastic constructional units
15.3.10.2	Composite panels with sandwich core	15.4.3.1	Injection moulded plastic constructional units
45 2 44	Commonte and desta	15.4.3.2	Pressed plastic constructional units
15.3.11	Composite products	15.4.3.3	Blown plastic constructional units
15.3.11.1	Glass-fibre reinforced plastic products	15.4.3.4	Structural parts of thermoformed plastics
15 2 00	Commonitor other	15.4.3.5	Expanded plastic structural parts
15.3.99	Composites, other	15.4.3.6	Structural parts of polycarbonates
		15.4.3.7	Polyamide structural parts
CEMT ETNICH	ED AND FINISHED PLASTIC PRODUCTS	15.4.3.8	Polyoxymethylene structural parts Structural parts with inserts
SEMIT-LINISH	ED AND FINISHED PLASTIC PRODUCTS	15.4.3.9	Reinforced structural parts
15 / 1	Semi-finished plastic products	15.4.3.10	Plastic machined structural parts
15.4.1 15.4.1.1	Films, sheets, strips, bands	15.4.3.11 15.4.3.12	Sliding and wear-resistant structural parts
15.4.1.1	Blocks, boards	15.4.3.12	Plastic constructional units, other
15.4.1.2	Sections	15.4.5.99	Flastic constructional units, other
15.4.1.4	Rods		
15.4.1.5	Fibres, lines, strings	15.4.4	Plastic parts and products for selected industries and end
15.4.1.6	Pipes, hoses	13.4.4	users
	· ·		users
15.4.1.7 15.4.1.00	Semi-finished plastic castings	15 / / 1	Plastic parts and products for mechanical engineering
15.4.1.7 15.4.1.99	Semi-finished plastic products, other	15.4.4.1 15.4.4.2	Plastic parts and products for mechanical engineering
15.4.1.99	Semi-finished plastic products, other	15.4.4.1 15.4.4.2	Plastic parts and products for mechanical engineering Plastic parts and products for transport
15.4.1.99 15.4.2	Semi-finished plastic products, other Plastic products	15.4.4.2	Plastic parts and products for transport
15.4.1.99 15.4.2 15.4.2.1	Semi-finished plastic products, other Plastic products Bearings and parts thereof	15.4.4.2 15.4.4.3	Plastic parts and products for transport Plastic parts and products for the automotive industry
15.4.1.99 15.4.2 15.4.2.1 15.4.2.2	Semi-finished plastic products, other Plastic products Bearings and parts thereof Gears	15.4.4.2 15.4.4.3 15.4.4.3.1	Plastic parts and products for transport Plastic parts and products for the automotive industry Motor vehicle components for interior fittings
15.4.1.99 15.4.2 15.4.2.1 15.4.2.2 15.4.2.3	Semi-finished plastic products, other Plastic products Bearings and parts thereof Gears Shaft couplings	15.4.4.2 15.4.4.3 15.4.4.3.1 15.4.4.3.2	Plastic parts and products for transport Plastic parts and products for the automotive industry Motor vehicle components for interior fittings Motor vehicle components for exterior fittings
15.4.1.99 15.4.2 15.4.2.1 15.4.2.2 15.4.2.3 15.4.2.4	Plastic products Bearings and parts thereof Gears Shaft couplings Springs and flexible elements	15.4.4.2 15.4.4.3 15.4.4.3.1	Plastic parts and products for transport Plastic parts and products for the automotive industry Motor vehicle components for interior fittings
15.4.1.99 15.4.2 15.4.2.1 15.4.2.2 15.4.2.3	Plastic products Bearings and parts thereof Gears Shaft couplings Springs and flexible elements Sealings, bellows	15.4.4.2 15.4.4.3 15.4.4.3.1 15.4.4.3.2	Plastic parts and products for transport Plastic parts and products for the automotive industry Motor vehicle components for interior fittings Motor vehicle components for exterior fittings Plastic parts for vehicle driving sets
15.4.1.99 15.4.2 15.4.2.1 15.4.2.2 15.4.2.3 15.4.2.4 15.4.2.5 15.4.2.6	Plastic products Bearings and parts thereof Gears Shaft couplings Springs and flexible elements Sealings, bellows Conveyer belts	15.4.4.2 15.4.4.3 15.4.4.3.1 15.4.4.3.2 15.4.4.3.3	Plastic parts and products for transport Plastic parts and products for the automotive industry Motor vehicle components for interior fittings Motor vehicle components for exterior fittings Plastic parts for vehicle driving sets Plastic parts and products for power engineering
15.4.1.99 15.4.2.1 15.4.2.2 15.4.2.3 15.4.2.4 15.4.2.5 15.4.2.6 15.4.2.7	Plastic products Bearings and parts thereof Gears Shaft couplings Springs and flexible elements Sealings, bellows Conveyer belts Conveyer chains, chains tensioners	15.4.4.2 15.4.4.3 15.4.4.3.1 15.4.4.3.2 15.4.4.3.3 15.4.4.4 15.4.4.5	Plastic parts and products for transport Plastic parts and products for the automotive industry Motor vehicle components for interior fittings Motor vehicle components for exterior fittings Plastic parts for vehicle driving sets Plastic parts and products for power engineering Plastic parts and products for the building industry
15.4.1.99 15.4.2 15.4.2.1 15.4.2.2 15.4.2.3 15.4.2.4 15.4.2.5 15.4.2.6	Plastic products Bearings and parts thereof Gears Shaft couplings Springs and flexible elements Sealings, bellows Conveyer belts	15.4.4.2 15.4.4.3 15.4.4.3.1 15.4.4.3.2 15.4.4.3.3	Plastic parts and products for transport Plastic parts and products for the automotive industry Motor vehicle components for interior fittings Motor vehicle components for exterior fittings Plastic parts for vehicle driving sets Plastic parts and products for power engineering
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15.4.1.99 15.4.2 15.4.2.1 15.4.2.2 15.4.2.3 15.4.2.4 15.4.2.5 15.4.2.6 15.4.2.7 15.4.2.8 15.4.2.9 15.4.2.10 15.4.2.11 15.4.2.12 15.4.2.13 15.4.2.14 15.4.2.15 15.4.2.16	Plastic products Bearings and parts thereof Gears Shaft couplings Springs and flexible elements Sealings, bellows Conveyer belts Conveyer chains, chains tensioners Conveyer and driving belts Conveyer rollers, conveyer worms Energy chains Pipes Tubes, drainage parts Hoses Fittings, quick couplers Pumps Castor wheels, rollers, pulleys, sheaves	15.4.4.2 15.4.4.3 15.4.4.3.1 15.4.4.3.2 15.4.4.4 15.4.4.5 15.4.4.6 15.4.4.7 15.4.4.9 15.4.4.10 15.4.4.11 15.4.4.12 15.4.4.13	Plastic parts and products for the automotive industry Motor vehicle components for interior fittings Motor vehicle components for exterior fittings Plastic parts for vehicle driving sets Plastic parts and products for power engineering Plastic parts and products for the building industry Plastic parts and products for the environment protection Plastic parts and products for the food industry Plastic parts and products for the printing and packaging industries Plastic parts and products for electrical engineering Plastic parts and products for electronics Plastic parts and products for information and communication technologies and office machinery Plastic parts and products for health services
15.4.1.99 15.4.2.1 15.4.2.2 15.4.2.3 15.4.2.4 15.4.2.5 15.4.2.6 15.4.2.7 15.4.2.8 15.4.2.10 15.4.2.11 15.4.2.12 15.4.2.13 15.4.2.14 15.4.2.15 15.4.2.16	Plastic products Bearings and parts thereof Gears Shaft couplings Springs and flexible elements Sealings, bellows Conveyer belts Conveyer chains, chains tensioners Conveyer and driving belts Conveyer rollers, conveyer worms Energy chains Pipes Tubes, drainage parts Hoses Fittings, quick couplers Pumps Castor wheels, rollers, pulleys, sheaves Assembling elements	15.4.4.2 15.4.4.3 15.4.4.3.1 15.4.4.3.2 15.4.4.4 15.4.4.5 15.4.4.6 15.4.4.7 15.4.4.9 15.4.4.10 15.4.4.11 15.4.4.12 15.4.4.13	Plastic parts and products for the automotive industry Motor vehicle components for interior fittings Motor vehicle components for exterior fittings Plastic parts for vehicle driving sets Plastic parts and products for power engineering Plastic parts and products for the building industry Plastic parts and products for the environment protection Plastic parts and products for the food industry Plastic parts and products for the printing and packaging industries Plastic parts and products for electrical engineering Plastic parts and products for electronics Plastic parts and products for information and communication technologies and office machinery Plastic parts and products for health services Plastic parts and products for the textile and clothing
15.4.1.99 15.4.2 15.4.2.1 15.4.2.2 15.4.2.3 15.4.2.4 15.4.2.5 15.4.2.6 15.4.2.7 15.4.2.8 15.4.2.9 15.4.2.10 15.4.2.11 15.4.2.12 15.4.2.13 15.4.2.14 15.4.2.15 15.4.2.16	Plastic products Bearings and parts thereof Gears Shaft couplings Springs and flexible elements Sealings, bellows Conveyer belts Conveyer chains, chains tensioners Conveyer and driving belts Conveyer rollers, conveyer worms Energy chains Pipes Tubes, drainage parts Hoses Fittings, quick couplers Pumps Castor wheels, rollers, pulleys, sheaves Assembling elements Joining elements – screws, nuts, rivets, pins	15.4.4.2 15.4.4.3 15.4.4.3.1 15.4.4.3.2 15.4.4.4 15.4.4.5 15.4.4.6 15.4.4.7 15.4.4.8 15.4.4.9 15.4.4.10 15.4.4.11 15.4.4.12 15.4.4.13 15.4.4.13	Plastic parts and products for the automotive industry Motor vehicle components for interior fittings Motor vehicle components for exterior fittings Plastic parts for vehicle driving sets Plastic parts and products for power engineering Plastic parts and products for the building industry Plastic parts and products for the environment protection Plastic parts and products for agriculture Plastic parts and products for the food industry Plastic parts and products for the printing and packaging industries Plastic parts and products for electrical engineering Plastic parts and products for electronics Plastic parts and products for information and communication technologies and office machinery Plastic parts and products for health services Plastic parts and products for the textile and clothing industries
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15.4.1.99 15.4.2 15.4.2.1 15.4.2.2 15.4.2.3 15.4.2.4 15.4.2.5 15.4.2.6 15.4.2.7 15.4.2.8 15.4.2.9 15.4.2.10 15.4.2.11 15.4.2.12 15.4.2.13 15.4.2.14 15.4.2.15 15.4.2.16 15.4.2.17 15.4.2.17 15.4.2.17 15.4.2.17.1	Plastic products Bearings and parts thereof Gears Shaft couplings Springs and flexible elements Sealings, bellows Conveyer belts Conveyer chains, chains tensioners Conveyer and driving belts Conveyer rollers, conveyer worms Energy chains Pipes Tubes, drainage parts Hoses Fittings, quick couplers Pumps Castor wheels, rollers, pulleys, sheaves Assembling elements Joining elements – screws, nuts, rivets, pins Leveling elements – distance columnes, articulated supporting feet, leveling screws Protective elements – caps, plugs, blinds, sleeves, closures	15.4.4.2 15.4.4.3 15.4.4.3.1 15.4.4.3.2 15.4.4.4 15.4.4.5 15.4.4.6 15.4.4.7 15.4.4.8 15.4.4.9 15.4.4.10 15.4.4.11 15.4.4.12 15.4.4.13 15.4.4.14 15.4.4.15 15.4.4.16 15.4.4.17	Plastic parts and products for the automotive industry Motor vehicle components for interior fittings Motor vehicle components for exterior fittings Plastic parts for vehicle driving sets Plastic parts and products for power engineering Plastic parts and products for the building industry Plastic parts and products for the environment protection Plastic parts and products for the food industry Plastic parts and products for the printing and packaging industries Plastic parts and products for electrical engineering Plastic parts and products for electronics Plastic parts and products for information and communication technologies and office machinery Plastic parts and products for the textile and clothing industries Plastic parts and products for the textile and clothing industries Plastic parts and products for the furniture-making industry Plastic parts and products for home appliances, households Plastic parts and products for school and office supplies Plastic parts and products for garden, garden appliances Plastic parts and products for garden, garden appliances
15.4.1.99 15.4.2 15.4.2.1 15.4.2.2 15.4.2.3 15.4.2.4 15.4.2.5 15.4.2.6 15.4.2.7 15.4.2.8 15.4.2.9 15.4.2.10 15.4.2.11 15.4.2.12 15.4.2.13 15.4.2.14 15.4.2.15 15.4.2.17 15.4.2.17 15.4.2.17 15.4.2.17.1 15.4.2.17.1	Plastic products Bearings and parts thereof Gears Shaft couplings Springs and flexible elements Sealings, bellows Conveyer belts Conveyer chains, chains tensioners Conveyer and driving belts Conveyer rollers, conveyer worms Energy chains Pipes Tubes, drainage parts Hoses Fittings, quick couplers Pumps Castor wheels, rollers, pulleys, sheaves Assembling elements Joining elements – distance columnes, articulated supporting feet, leveling screws Protective elements – days, plugs, blinds, sleeves, closures Fastening elements – wall clips, clamps, wall holder sleeves, fixing strips, assembly strappings, dowels, hinges	15.4.4.2 15.4.4.3 15.4.4.3.1 15.4.4.3.2 15.4.4.4 15.4.4.5 15.4.4.6 15.4.4.7 15.4.4.8 15.4.4.9 15.4.4.10 15.4.4.11 15.4.4.12 15.4.4.12 15.4.4.14 15.4.4.15 15.4.4.16 15.4.4.17 15.4.4.18 15.4.4.19	Plastic parts and products for the automotive industry Motor vehicle components for interior fittings Motor vehicle components for exterior fittings Plastic parts for vehicle driving sets Plastic parts and products for power engineering Plastic parts and products for the building industry Plastic parts and products for the environment protection Plastic parts and products for the food industry Plastic parts and products for the printing and packaging industries Plastic parts and products for electrical engineering Plastic parts and products for electronics Plastic parts and products for information and communication technologies and office machinery Plastic parts and products for the textile and clothing industries Plastic parts and products for the furniture-making industry Plastic parts and products for the furniture-making industry Plastic parts and products for home appliances, households Plastic parts and products for garden, garden appliances Plastic parts and products for garden, garden appliances Plastic parts and products for garden, sports, leisure time
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9^{TH} International plastics, Rubber and composites fair



15.4.5	Semi-finished and finished products made of polyurethane elastomers	COMPUTER,	, TESTING AND MEASURING TECHNOLOGIES FOR PLASTICS ERS
15.4.5.1	Boards, blocks		
15.4.5.2	Sections	15.7.1	Control systems for plastics and rubber enterprises
15.4.5.3	Bellows, sleeves, covers, rings	15.7.1	control systems for plastics and rabber enterprises
15.4.5.4	Dilatation compensators	15.7.2	Statistical Process Central (SPC) systems for lang term
		15./.2	Statistical Process Control (SPC) systems for long-term
15.4.5.5	PU elastomers including metal inserts		monitoring of production processes and quality
15.4.5.6	Shaft seal rings		
15.4.5.7	Seals	15.7.3	CAD, CAM and CIM for plastics and rubber plants
15.4.5.8	Vibration dampers	15.7.3.1	CAD systems for injection processes analysis and
15.4.5.9	Silentblocks		optimization
15.4.5.10	Shaped products	15.7.3.2	Regulation system for melt flow in the mould
	·	13.7.3.2	Regulation system for mett flow in the mould
15.4.5.11	Casts		
15.4.5.12	Glass fiber reinforced polyurethane	15.7.4	Development software for designers
15.4.5.13	Wheels	15.7.5	Pick-up sensors of dimensions, pressure, temperature and
15.4.5.14	Solid tyre wheels		forces in plastics and rubber processing machines
15.4.5.15	Polyurethane coated rollers		, , ,
15.4.5.99	Semi-finished and finished products made of polyurethane	15.7.6	Measuring equipment for length, thickness and surface
13.4.3.99	elastomers other	13.7.0	
	etastomers other	45764	geometry of plastic components
		15.7.6.1	Systems for 2D and 3D scanning of complex shapes
SEMI-FINISH	HED AND FINISHED RUBBER-BASED PRODUCTS		
		15.7.7	Rheometers, plastometers, viscosimeters
15.5.1	Rubber boards, blocks	15.7.8	Temperature measuring instruments for manufacture
15.5.2	Rubber sections		and processing of plastics and rubbers
15.5.3	Rubber fibres, ropes	15.7.9	Thermomechanical analysers
	· •		
15.5.4	Rubber hoses	15.7.10	Measuring instruments of optical properties of plastics and
15.5.5	Rubber flooring		rubbers
15.5.6	Rubber V-belts, indented belts	15.7.11	Multiparameter measuring stations
15.5.7	Rubber conveyor belts	15.7.12	Material thermostability testers
15.5.8	Rubber bellows, sleeves, covers, rings	15.7.13	Testers of mechanical and dynamic ruggedness of materials
15.5.9	Rubber dilatation compensators	15.7.15	resters of incentinear and dynamic raggeaness of materials
	•	45.7.00	C
15.5.10	Rubber-metal	15.7.99	Computer, testing and measuring technologies for plastics
15.5.11	Shaft seal rings		and rubbers, other
15.5.12	Rubber seals		
15.5.13	Rubber vibration dampers	RESEARCH,	SERVICES AND INSTITUTIONS
15.5.14	Silentblocks	IN PLASTIC	S AND RUBBERS
15.5.15	Shaped rubber products		
	Rubber textile products	15.8.1	Deceased in plactice and published
15.5.16	•	15.0.1	Research in plastics and rubbers
15.5.17	Rubber wheels		
15.5.18	Cellular rubber products	15.8.2	Custom plastic and rubber components manufacture
15.5.19	Tyres and tubes	15.8.2.1	Custom plastic components manufacture
15.5.20	Rubber containers and bags	15.8.2.2	Custom rubber components manufacture
15.5.21	Rubber-coated cylinders	15.8.2.3	Custom adjustments and assembly of components
15.5.22	Articles produced by dipping	13101213	oustoni adjustinonis and assembly or components
		1502	Canada and in planting and with an angular structure
15.5.23	Ebonite products	15.8.3	Consultancy in plastics and rubber manufacturing
15.5.98	Rubber components for automotive applications	15.8.4	Engineering and design services for plastics
	of all kinds		and rubber manufacturing
15.5.99	Rubber semi-finished and finished products, other		
		15.8.5	Service and repairs of machines for plastics
MACHINES A	ND EQUIPMENT FOR RECYCLING AND USE OF PLASTIC		and rubber industries
		15 0 5 1	
AND RUBBER	R WASTE MATERILAS	15.8.5.1	Spare parts for machines for plastics and rubber industries
		15.8.5.2	Renovation of moulds, screws, chambers
15.6.1	Mills and crushers for plastic waste		and cylinders
15.6.1.1	Cryogenic mills and crushers for plastic and rubber waste	15.8.5.3	Turnkey systems of general overhauls of machines for plastics
15.6.1.2	Tyre crushers		and rubber industries
13101112	13.0 0.40.10.0	15.8.5.4	Reconstruction and modernisation of machines
15 6 2	Machines, equipment and technologies	13.0.3.4	
15.6.2			for plastics and rubber industries
	for separation of contaminating materials		
	from plastic and rubber waste	15.8.6	Refurbished machines for plastics and rubber industries
15.6.3	Technologies, machines and equipment	15.8.7	Manufacture of prototype and single-purpose equipment
	for chemical and thermal recycling of waste polymer		for plastics and rubber industries
	materials		, , , , , , , , , , , , , , , , , , ,
15.6.4	Solid waste processing lines	15.8.8	Technologies for plastics and rubber industries
15.0.4			
	(plastics, cables, tyres)	15.8.8.1	Technology projects for plastics and rubber industries
15.6.5	Plastic re-granulates and waste	15.8.8.2	Technology supplies to plastics and rubber industries
	(HDPE, LDPE, PP, PS, PVC, PUR)		
15.6.6	Recycled elastomer materials	15.8.9	Executiom of investment projects in plastics and rubber
15.6.7	Consultancy in recycling and use of plastic and rubber waste		industries
15.0.7		15 0 10	Financial services, leasing for plastics
	materials	15.8.10	
			and rubber industries
15.6.99	Machines and equipment for recycling and use of plastic and	15.8.11	Technical literature and publications
	rubber waste materials – other		for plastics and rubber industries



9TH INTERNATIONAL PLASTICS, RUBBER AND COMPOSITES FAIR

15.8.12	Institutions and organisations in plastics and rubber industries
15.8.13	Vocational training schools for plastics and rubber industries
15.8.14	Vocational training courses and education for plastics and rubber industries
15.8.99	Research, services, institutions in plastics and rubbers sector, other

CHEMICALS FOR ENGINEERING



Equipment for the chemical industry		16.2.99	Machines for other chemical branches
16.1.1	Tanks, vessels, pressure vessels for the chemical industry	Lubricants, o	nils
16.1.2	Columns	16.3.1	Lubricating greases for industry
10.1.2	Cotainiis	16.3.2	Lubricating greases for industry
16.1.3	Filters for chemical production	16.3.3	Oils for industrial transmissions
16.1.3.1	Filters for liquid materials	16.3.4	Hydraulic oils
16.1.3.2	Filters for gaseous materials	16.3.5	Oils for rolling
16.1.3.3	Filters with automatic cleaning of filter partition	16.3.6	Oils, emulsions, pastes for corrosion protection
16.1.3.4	Equipment for diaphragm technology, ultrafiltration	16.3.7	Cooling lubricants and liquids
	and nanofiltration	16.3.8	Working emulsions and cutting oils
		16.3.9	Additives for lubricants
16.1.4	Filtration systems for the chemical industry	16.3.10	Environmental lubricants
16.1.4.1	Filtration systems for plastic and rubber melts	16.3.11	Oils for the food industry
16.1.4.2	Filtration systems for the production of synthetic fibres	16.3.99	Lubricants and oils – other
16.1.4.3	Filtration systems for plastic melt recycling		
		16.4	Mineral oil regeneration equipment
16.1.5	Mixing and kneading machines	16.5	Corrosion and wear protection pastes
16.1.6	Crushers	16.6	Sprays for metal surface finishing
16.1.7	Mills for the chemical industry	16.7	Coating compositions
16.1.7.1	Colloid mills	16.7.1	Synthetic coating compositions
16.1.7.2	Pulverizers	16.7.2	Water soluble coating compositions
16.1.7.3	Screens for the chemical industry	16.7.3	Powder paints
16.1.8	Separators	16.8	Colours, pigments
16.1.9	Air separators and screening machines	16.9	Enamels
16.1.10	Dedusting equipment	16.10	Cements
16.1.11	Centrifuges	16.11	Adhesive tones and films
16 1 10	Evaporators evaporating equipment	16.12	Adhesive tapes and films
16.1.12	Evaporators, evaporating equipment	16.13	Caree
16.1.12.1	Vacuum evaporators	16.13.1	Gases Pure and rare gases and their mixtures
16.1.13	Homogenizers	16.13.1	Technical gases in liquid and gaseous phase
16.1.14	Decanters	1011312	realiment gases in eight and gaseous priuse
16.1.15	Crystallization equipment	16.14	Active carbon, charcoal, soot
16.1.16	Cleaning equipment for chemical engineering		
16.1.17	Heat exchangers for chemical engineering	Chemicals fo	r industrial production
16.1.18	Industrial furnaces for chemical production		
16.1.19	Dosing equipment for chemical engineering	16.15.1	Chemicals for mechanical engineering
16.1.20	Transport equipment for chemical plants	16.15.1.1	Solvents, thinners
16.1.21	Silos	16.15.1.2	Varnish / lacqu <mark>er removers</mark>
16.1.22	Synthetic fibre production equipment	16.15.1.3	Degreasing and cleaning liquids
16.1.23	Biochemical and biotechnological equipment	16.15.1.4	Corrosion inhibitors
16.1.24	Process gas distribution	16.15.1.5	Moulding equipment
16.1.25	Process burners	16.15.1.6	Heat-carrying media
16.1.26	Exhausting and dedusting equipment for the chemical	16.15.1.7	Chemicals for chemical and heat processing
	industry	46.45.4.0	of iron and steel
16 1 00	Fundament for the about of industry, with an	16.15.1.8	Treatment salts for light metals
16.1.99	Equipment for the chemical industry – other	16.15.1.9	Chemicals for electroplating
Machines and	l accessories for the chemical industry	16.15.1.10	Mordants for metals
16.2.1	I accessories for the chemical industry Components and accessories for the chemical industry	16.15.1.11 16.15.1.12	Antifoaming agents Emulsifiers
16.2.1	Equipment for the petrochemical industry	16.15.1.12	Additive concentrates
16.2.3	Equipment for coal and tar processing	16.15.1.14	Technical fungicides
16.2.4	Natural gas processing equipment	16.15.1.14	Chemicals for mechanical engineering – other
16.2.5	Inorganic production equipment	10.13.1.99	chemicals for mechanical engineering – other
16.2.6	Organic production equipment	16.15.2	Chemicals for the petrochemical industry
16.2.7	Macromolecular material production	16.15.3	Chemicals for the rubber industry
16.2.8	Coating substance production equipment	16.15.4	Chemicals for the pharmaceutical and cosmetic industries
16.2.9	Agrochemical production equipment	16.15.5	Chemicals for industrial water treatment plants
16.2.10	Synthetic fibre production equipment	16.15.6	Chemicals for the textile industry
16.2.11	Explosive production equipment	16.15.7	Chemicals for the electric engineering industry
16.2.12	Equipment for pharmaceutical production	16.15.98	Washing and cleaning agents for industrial site cleaning
16.2.13	Granulate production machines		j j
16.2.14	Machines for the production of soap and cleaning agents	16.15.99	Chemicals for other industrial production branches
16.2.15	Machines for cosmetic production		
16.2.16	Cream, solution, suspension and emulsion processing	16.16	Industrial explosives
	equipment	16.17	CAD, CAM, CIM for chemical plants
16.2.17	Stearin, glycerol and candle production equipment	16.18	Consultancy for chemical production
16.2.18	Equipment for the production and storing of technical	16.19	Engineering and design services for chemical production
	gases		



CHEMICALS FOR ENGINEERING

16.20 16.20.1	Service and repairs of machines for the chemical industry Diagnostics of machines for the chemical industry
16.21	Re-worked machines for the chemical industry
16.22	Technologies for the chemical industry
16.22.1	Technology projects for the chemical industry
16.99	Chemistry for engneering others

SYSTEMS FOR ADDITIVE MANUFACTURING



Systems for additive manufacturing

17.1.1	Additive manufacturing systems
17.1.1.1	Additive manufacturing systems, 3D printers with 3DP
	technologies
17.1.1.2	Additive manufacturing systems, 3D printers with fused deposition
	modelling (FDM), thermal extrusion printing
17.1.1.3	Additive manufacturing systems, 3D printers with laminating
	technologies, laminated object modelling, LOM for non-metals
17.1.1.4	Additive manufacturing systems, 3D printers with multijet
	modelling (MJM)
17.1.1.5	Additive manufacturing systems, 3D printers with selective laser
	melting, SLM for metals
17.1.1.6	Additive manufacturing systems, 3D printers with selective laser
	sintering, SLS for non-metals
17.1.1.7	Additive manufacturing systems, 3D printers with stereolitography,
	SLA, STL
17.1.1.8	Other additive manufacturing systems, 3D printers for non-metals
	3 - J
17.1.2	
	Industry applications for additive manufacturing with non-metals
17.1.2	Industry applications for additive manufacturing with non-metals
	Industry applications for additive manufacturing with non-metals Supplementary systems and services for additive
17.1.2 17.1.3	Industry applications for additive manufacturing with non-metals Supplementary systems and services for additive manufacturing with non-metals
17.1.2 17.1.3 17.1.3.1	Industry applications for additive manufacturing with non-metals Supplementary systems and services for additive manufacturing with non-metals 3D digitisation systems for adaptive manufacturing
17.1.2 17.1.3	Industry applications for additive manufacturing with non-metals Supplementary systems and services for additive manufacturing with non-metals 3D digitisation systems for adaptive manufacturing 3D graphics software and 3D modelling software for additive
17.1.2 17.1.3 17.1.3.1 17.1.3.2	Industry applications for additive manufacturing with non-metals Supplementary systems and services for additive manufacturing with non-metals 3D digitisation systems for adaptive manufacturing 3D graphics software and 3D modelling software for additive manufacturing
17.1.2 17.1.3 17.1.3.1 17.1.3.2 17.1.3.3	Industry applications for additive manufacturing with non-metals Supplementary systems and services for additive manufacturing with non-metals 3D digitisation systems for adaptive manufacturing 3D graphics software and 3D modelling software for additive manufacturing 3D modelling for additive manufacturing
17.1.2 17.1.3 17.1.3.1 17.1.3.2 17.1.3.3 17.1.3.4	Industry applications for additive manufacturing with non-metals Supplementary systems and services for additive manufacturing with non-metals 3D digitisation systems for adaptive manufacturing 3D graphics software and 3D modelling software for additive manufacturing 3D modelling for additive manufacturing 3D scanners, 3D laser scanners for additive manufacturing
17.1.2 17.1.3 17.1.3.1 17.1.3.2 17.1.3.3 17.1.3.4 17.1.3.5	Industry applications for additive manufacturing with non-metals Supplementary systems and services for additive manufacturing with non-metals 3D digitisation systems for adaptive manufacturing 3D graphics software and 3D modelling software for additive manufacturing 3D modelling for additive manufacturing 3D scanners, 3D laser scanners for additive manufacturing 3D visualization of models (services)
17.1.2 17.1.3 17.1.3.1 17.1.3.2 17.1.3.3 17.1.3.4 17.1.3.5 17.1.3.6	Industry applications for additive manufacturing with non-metals Supplementary systems and services for additive manufacturing with non-metals 3D digitisation systems for adaptive manufacturing 3D graphics software and 3D modelling software for additive manufacturing 3D modelling for additive manufacturing 3D scanners, 3D laser scanners for additive manufacturing 3D visualization of models (services) Development and manufacture of 3D printing monofilaments
17.1.2 17.1.3 17.1.3.1 17.1.3.2 17.1.3.3 17.1.3.4 17.1.3.5	Industry applications for additive manufacturing with non-metals Supplementary systems and services for additive manufacturing with non-metals 3D digitisation systems for adaptive manufacturing 3D graphics software and 3D modelling software for additive manufacturing 3D modelling for additive manufacturing 3D scanners, 3D laser scanners for additive manufacturing 3D visualization of models (services)



INDUSTRY 4.0 AND DIGITAL FACTORY – INTEGRATED PROCESSES AND IT SOLUTIONS

Basic software and software solutions			Application development systems for Soft-PLC systems Application development systems using C++, C, Basic
17.2.1	Communication software and network software for industrial IT	17.2.11.8 17.2.11.9	Application development systems with Java Application development systems, expert systems, diagnosis
17.2.2	Data management software for industrial IT	17.2.11.9	systems, artificial intelligence systems
17.2.2.1 17.2.2.2	Database systems Knowledge management systems	17.2.11.10	PLC programming systems, application development systems for automation equipment
17.2.2.3	Other data management software for industrial IT	17.2.11.11	Other software for application development for industrial IT, development tools
17.2.3	Expert, diagnostic and simulation systems		development tools
17.2.3.1	Cognitive computing systems for production technologies and production processes	17.2.12	Videoconferencing systems
17.2.3.2	Expert systems and artificial intelligence	17.2.13	Virtual reality systems for industrial applications
17.2.3.3	General simulation software for robotic applications	17.2.13.1	General virtual reality in automation technology
17.2.3.4	PLC simulation software (programmable logic controls)	17.2.13.2	Smart glasses
17.2.3.5	Real time oriented interactive simulation in industrial	17.2.13.3	Virtual prototyping systems
	applications	17.2.13.4	Virtual reality in production planning
17.2.3.6	Simulation software for assembly technologies, handling systems	17.2.13.5	Virtual reality in robotics
	and hydraulic and pneumatic systems	17.2.13.6	Virtual reality software for industrial applications
17.2.3.7	Simulation software for design, optimization and operation in production	17.2.13.7	Other virtual reality systems for industrial applications
17.2.3.8	Simulation systems for material flow optimisation and production	17.2.14	Visualization systems
	layout	17.2.14.1	Visualization systems in industrial applications
17.2.3.9	Software for fuzzy logic systems and fuzzy control in industrial	17.2.14.2	Software for operating stations (man/machine interface)
	applications	17.2.14.3	Systems for Operating and Observing
17.2.3.10	Systems and software for remote diagnosis systems for machines	17.2.14.4	Visualization software
	and installations	17.2.14.5	Visualization systems (man-to-process communication)
17.2.3.11	Tools for simulation and offline programming of industrial		
	robots	17.2.15	Voice processing systems
17.2.3.12	Other expert systems, diagnosis systems and simulation	17.2.16	Automation software solutions
	systems	17.2.17	Software and solutions for specific industrial branches
17.2.4	Image processing software	17.2.18	Specific software and specific solutions
17.2.4.1	Future-oriented image processing software technologies	17.2.18.1	Application software for quality assurance and quality
17.2.4.2	Image processing development systems		control / CAQ
17.2.4.3	Software for identification systems	17.2.18.2	Application software for vertical IT integration
17.2.4.4	Software for pattern recognition, image analysis, image processing		
17.2.4.5	Software tools for image processing	17.2.18.3	Product life cycle management, PLM software and solutions
		17.2.18.3.1	CAD software and solutions for product data generation
17.2.5	Internet solutions for industrial applications	17.2.18.3.2	Complete product life cycle management, PLM systems
17.2.5.1	Internet solutions for automation		and solutions
17.2.5.2	On-line monitoring systems	17.2.18.3.3	Software and solutions for computer equipment, CAE, technical
17.2.5.3	Web-based solutions for automation systems		computations and simulation
17.2.5.4	Other internet solutions for industrial applications	17.2.18.3.4	Software and solutions for experiments, prototyping and development
17.2.6	Multimedia software for industrial applications	17.2.18.3.5	Software and solutions for media management, media databases
17.2.6.1	Multimedia technical product documentation systems	17.2.18.3.6	Software and solutions for product requirement management
17.2.6.2	Multimedia virtual product development systems	17.2.18.3.7	Software and solutions for production planning, product planning
		17.2.18.3.8	Software and solutions for technical documentation
17.2.7	Operating systems for industrial IT	17.2.18.3.9	Software and solutions for product data provision
			and management (PDM, EDM)
17.2.8	Extension of operating systems and system control software for industrial IT	17.2.18.3.10	Software and solutions for total life cycle management, TLM
17.2.8.1	Computer security software and network security software		
17.2.8.2	OPC controllers, OPC servers, software for industrial IT, OPC UA	17.2.18.4	Software and solutions for business analysis, big data, intelligent
17.2.8.3	Other operating system extensions for industrial IT		data for the industry
17.2.8.4	Software for computer data backup	17.2.18.4.1	Software and solutions for big data, intelligent data
17.2.8.5	Software for computer management, maintenance and		for the industry
	installation	17.2.18.4.2	Software and solutions for business analysis, intelligent data for the industry
17.2.9	Other basic software and system-oriented industrial software	17.2.18.4.3	Software and solutions for data storages and data acquisition
17.2.10	Systems and software for public resource processing	17.2.18.4.4	for the industry Other software and solutions for business analysis, big data
17.2.11	Software for application development for industrial IT,	2	for the industry
	development tools	17 2 12 5	Coffeends and columbians for CDM distributions and accordant
17.2.11.1	Application development systems for CNC controls	17.2.18.5	Software and solutions for CRM, distribution and marketing
17.2.11.2	Application development systems for embedded systems	17.2.18.5.1	Application software customer relations management, CRM
17.2.11.3	Application development systems for mobile, industrial	47.040	and technical sales
	applications	17.2.18.5.2	Application software for technical sales
17.2.11.4	Application development systems for process control systems,	17.2.18.5.3	eCommerce and eBusiness solutions
	visualization systems	17.2.18.5.4	Software and solutions for marketing, eMarketing, mobile
17.2.11.5	Application development systems for robot controls		marketing

INDUSTRY 4.0 AND DIGITAL FACTORY – INTEGRATED PROCESSES AND IT SOLUTIONS



17.2.18.5.5	Software and solutions for distribution	Cloud & indus	strial IT services, digital factory services
17 2 10 6	Coftware and colutions for sustamor conice and support	1721	Cloud consists. IT consists and outcoursing
17.2.18.6	Software and solutions for customer service and support	17.3.1	Cloud services, IT services and outsourcing
17.2.18.7	Software and solutions for production planning	17.3.1.1 17.3.1.2	Applications and hosting systems Application service provision (ASP) for the industry
17.2.18.7.1	Software and solutions for enterprise resource planning, ERP	17.3.1.2	Application service provision (ASF) for the industry
17.2.10.7.1	and production planning, PPC	17.3.1.3	Industrial cloud services
17.2.18.7.2	Software and solutions for enterprise resource planning, ERP	17.3.1.3	Cloud services for condition monitoring, predictive maintenance
17.2.10.7.2	and order processing	17.3.1.3.2	Cloud services for mobile sensor systems
17.2.18.7.3	Software and solutions for production and planning integrated	17.3.1.3.3	Infrastructure as a Service, SaaS, for industrial applications
	control	17.3.1.3.4	Other cloud services for industrial applications
17.2.18.7.4	Software and solutions for production and control planning, PPC	17.3.1.3.5	Platform as a Service, PaaS, for industrial applications
17.2.18.7.5	Software and solutions for production planning / computer	17.3.1.3.6	Software as a Service, SaaS, for industrial applications
	planning, CAP		
		17.3.1.4	IT and network services (outsourcing)
17.2.18.8	Software and solutions for maintenance and repairs	17.3.1.5	Enterprise process outsourcing
17.2.18.8.1	MPS, maintenance systems	17.3.1.6	IT and outsourcing consulting
17.2.18.8.2	Software and solutions for maintenance management	17.3.1.7	Controlled services for industrial applications
17.2.18.8.3	Software for maintenance in the industry	17.3.1.8	Shop floor services and solutions
17.2.18.8.4	Other software and solutions for maintenance and repairs	17.3.1.9	Attendance and maintenance software
17 2 10 0	Coffware and colutions for management and business activities	1722	Automation coffusive development
17.2.18.9 17.2.18.9.1	Software and solutions for management and business activities Software and solutions for asset management	17.3.2 17.3.2.1	Automation software development Development of customer-specific control modules
17.2.18.9.1	Content management software	17.3.2.1	PLC development and programming
17.2.18.9.3	Document management systems (DMS)	17.3.2.2	Other customary automation software
17.2.18.9.4	Software for personnel working hours management	17.3.2.3	other customary automation software
17.2.18.9.5	Software and solutions for business process optimisation and	17.3.3	Industrial engineering services
	business process control	17.3.3.1	Application programming and engineering for automation
17.2.18.9.6	Software and solutions for company management, organisation		in factories
	and control	17.3.3.2	Documentation services
17.2.18.9.7	Software and solutions for human resources, personnel	17.3.3.3	Other industrial engineering services
	management	17.3.3.4	Production planning and control simulation
17.2.18.9.8	Software and solutions for project management	17.3.3.5	Software consulting
17.2.18.9.9	Software and solutions for risk management		
17.2.18.9.10	Software for the calculation of production costs	17.3.4	Internet services for automation and industrial use
17.2.18.9.11	Systems for workflow	17.3.4.1	Internet portals for industrial software and engineering
17.2.18.9.12	Other software and solutions for administration and commercial	17.3.4.2	Other internet services for automation and industrial use
	sector	17.3.4.3	Services for on-line marketplaces (industrial software and engineering)
17.2.18.10	Software and solutions for production, production data		engineering)
17.2.10.10	management and CAM	17.3.5	Organisations and associations for industrial software, digital
17.2.18.10.1	Computer systems for production, CAM solutions	17.5.5	factories
17.2.18.10.2	Information management systems	17.3.6	Other digital factory services
17.2.18.10.3	Production systems, MES		,
17.2.18.10.4	Software and solutions for machine monitoring and machine	Internet syste	ems for the industry and industrial automation
	control	17.4.1	General intelligent components
17.2.18.10.5	Software and solutions for production management systems	17.4.2	Components, Internet of Things systems, IoT in industrial
17.2.18.10.6	Software and solutions for production systems, control		applications
17 2 10 10 7	production stations Software and solutions for production data acquisition, collection	17.4.3	Cyber physical systems in industrial applications
17.2.18.10.7	Software and solutions for production data acquisition, collection of data from the plant, FDC, MDA	17.4.4	Industrial internet solutions, industrial internet systems
17.2.18.10.8	Software and solutions for production data management	17.4.5	Integrated industrial solutions
17.2.18.10.9	Software and solutions for production management	17.4.6	Other Industry 4.0 based industrial and internet solutions
17.12.10.10.5	Solution of production management	17.4.7	Software solutions for the Industry 4.0 and the Internet of Things, Industrial Internet of Things (IioT)
17.2.18.11	Software and solutions for job allocations, material management		or mings, maastractmet or mings (nor)
	and logistics	Automated pr	roduction systems usable for the Smart Factory
17.2.18.11.1	Advanced planning solutions (APS)	·	•
17.2.18.11.2	Software and solutions for logistics management	17.5.1	Production planning and automatic control systems related to
17.2.18.11.3	Software and solutions for distribution and shipment		ERP systems
17.2.18.11.4	Software and solutions for electronic notice boards, automatic	17.5.2	Automatic customer requirement processing systems
47.040.445	material inventory management	17.5.3	Automatic input material and raw material storage systems
17.2.18.11.5	Software and solutions for material flow management and	17.5.4	Automatic tool storage systems
17 2 10 11 6	material flow optimisation	17.5.5	Other automatic storage systems
17.2.18.11.6	Software and solutions for material management	17.5.6	Automatic systems for in-house transport of semi-products and
17.2.18.11.7	Software and solutions for material consumption management and optimisation		products
17.2.18.11.8	Software and solutions for warehouse management	17 5 7	Automatic handling systems
17.2.18.11.9	Software and solutions for supplier chain management (SCM)	17.5.7 17.5.7.1	Automatic handling systems Handling robots with image analysis skills
17.2.18.11.10	Software and solutions for transport, traffic logistics	17.5.7.1	Robotic systems for technology and machine tool operators
17.2.18.11.11	Other software and solutions for job allocation, material	17.5.7.2	Other robotic systems
	management and logistics	25.7 .5	



PAGITALY INDUSTRY 4.0 AND DIGITAL FACTORY – INTEGRATED PROCESSES AND IT SOLUTIONS

17.5.8	Automatic control and measuring stations integratable in technological processes
17.5.9 17.5.10	Machines and equipment used in automatic facilities Automatic monitoring and evaluation systems
17.5.11	Industry-specific automation software solutions
17.5.11.1	Automation software solutions for general industrial applications
17.5.11.2	Automation software solutions for general mechanical engineering
17.5.11.3	Automation software solutions for measuring technologies and control technologies
17.5.11.4	Automation software solutions for other branch-specific applications
17.5.11.5	Automation software solutions for the design of other vehicles
17.5.11.6	Automation software solutions for the automotive industry
17.5.11.7	Automation software solutions for civil engineering
17.5.11.8	Automation software solutions for the electrical engineering industry, electronic industry
17.5.11.9	Automation software solutions for the metal producing and metal working industry
17.5.11.10	Automation software solutions for the packaging industry
17.5.11.11	Automation software solutions for the printing industry