



25TH INTERNATIONAL WELDING ENGINEERING FAIR

<p>13.1 FLAME WELDING, SURFACING AND OXYGEN CUTTING MACHINERY AND EQUIPMENT</p> <p>13.2 ARC-WELDING, SURFACING AND CUTTING MACHINERY AND EQUIPMENT</p> <p>13.2.1 Hand-operated welding, surfacing and cutting machinery and equipment</p> <p>13.2.2 Machinery and equipment for gas shielded electric arc welding and surfacing (MIG, MAG)</p> <p>13.2.3 Inert gas-shielded arc welding and surfacing machinery and equipment by using nonconsumable electrode (WIG or TIG)</p> <p>13.2.4 Submerged-arc welding and surfacing machinery and equipment</p> <p>13.2.99 Machinery and equipment for welding, surfacing and arc cutting, others</p> <p>13.3 THERMAL SPRAY MACHINERY AND EQUIPMENT</p> <p>13.3.99 Thermal spray machinery and equipment, others</p> <p>13.4 RESISTANCE-WELDING MACHINERY AND EQUIPMENT</p> <p>13.4.1 Machinery and equipment for spot welding</p> <p>13.4.2 Seam welding machinery and equipment</p> <p>13.4.3 Machines and equipment for resistance projection welding</p> <p>13.4.4 Contact and flash welding machinery and equipment</p> <p>13.4.5 Fused-slag welding machinery and equipment</p> <p>13.4.99 Resistance welding machinery and equipment, others</p> <p>13.5 MACHINERY AND EQUIPMENT FOR PRESSURE WELDING (FRICTION, DIFFUSION, COLD, ULTRASOUND WELDING)</p> <p>MACHINERY AND EQUIPMENT FOR OTHER METHODS OF WELDING, CUTTING AND SOLDERING</p> <p>13.6.1 Equipment for aluminothermic welding</p> <p>13.6.2 Plasma welding machinery and equipment</p> <p>13.6.3 Laser-beam welding machinery and equipment</p> <p>13.6.4 Electron-beam welding machinery and equipment</p> <p>13.6.5 Stud welding machinery and equipment</p> <p>13.6.6 Root-penetration welding machinery and equipment</p> <p>13.6.7 Machinery and equipment for welding plastics</p> <p>13.6.8 Soldering machinery and equipment</p> <p>13.6.9 Machinery and equipment for special methods of cutting</p> <p>13.6.10 Machinery and equipment for plasma cutting</p> <p>13.6.99 Machinery and equipment for other methods of welding, surfacing, cutting and soldering, others</p> <p>ADDITIONAL AND AUXILIARY MATERIALS</p> <p>13.7.1 Welding and cutting electrodes</p> <p>13.7.2 Welding wires, tube electrodes, strips and rods</p> <p>13.7.3 Solders</p> <p>13.7.4 Fluxes for welding and soldering</p> <p>13.7.5 Gases for welding, cutting and soldering</p> <p>13.7.6 Agents for pickling and passivating alloyed corrosion-proof steel welds</p> <p>13.7.7 Liquids, oils and sprays for welding and soldering</p> <p>13.7.99 Consumables and auxiliary materials, others</p>	<p>13.9.1 Exhaust and filtration equipment for welding areas</p> <p>13.9.2 Work protection aids (masks, goggles, working and protective garments, etc.)</p> <p>13.9.3 Tools, fixtures and elements of machinery and equipment for welding and related technologies (pneumatic, hydraulic elements, etc.)</p> <p>13.9.4 Machinery and equipment for treating welded structures (vibration treatment, thermal treatment, etc.)</p> <p>13.9.5 Defectosopic technology for destructive and non-destructive weld tests</p> <p>13.9.6 Driers of consumables in welding areas</p> <p>13.9.99 Other elements, machines and consumables for welding, others</p> <p>13.10 METAL BONDING MACHINES</p> <p>13.11 WELDED STRUCTURES, SUB-SUPPLIES OF WELDED PARTS</p> <p>13.11.1 Weldments</p> <p>RESEARCH, SERVICES AND INSTITUTIONS IN WELDING, CUTTING, SOLDERING AND METAL BONDING</p> <p>13.12.1 Research in welding, cutting, soldering and metal bonding</p> <p>13.12.2 Offers of manufacturing facilities in the areas of welding, cutting, soldering and metal bonding</p> <p>13.12.3 Consulting in welding, cutting, soldering and metal bonding</p> <p>13.12.4 Engineering and design services in welding, cutting, soldering and metal bonding</p> <p>13.12.5 Welding, cutting, soldering and metal bonding machines and equipment service and repair</p> <p>13.12.6 Refurbished machines and equipment for welding, cutting, soldering and metal bonding</p> <p>13.12.7 Manufacture of prototype and single-purpose equipment for welding, cutting, soldering and metal bonding</p> <p>13.12.8 Technologies for welding, cutting, soldering and metal bonding</p> <p>13.12.9 Execution of investment projects for welding, cutting, soldering and metal bonding</p> <p>13.12.10 Specialist literature, publications in the areas of welding, cutting, soldering and metal bonding</p> <p>13.12.11 Institutions and organisations in the areas of welding, cutting, soldering and metal bonding</p> <p>13.12.12 Vocational schools in the areas of welding, cutting, soldering and metal bonding</p> <p>13.12.13 Specialist courses and training in the areas of welding, cutting, soldering and metal bonding</p> <p>13.12.99 Research, services and institutions in welding, cutting, soldering, and metal bonding – other</p>
<p>13.8 ROBOTS, MANIPULATORS AND ACCESSORIES FOR WELDING TECHNOLOGIES</p> <p>13.8.1 Welding robots</p> <p>13.8.2 Single-purpose welding, material separating and positioning manipulators</p> <p>13.8.3 Control, measurement, management and sensor systems, additional systems and subsystems</p> <p>13.8.4 Hardware and software for welding technologies</p>	