

7th International trade fair of engineering technologies

1. Machines, automation equipment and machining and forming technologies

1.1. Machining and forming

- 1.1.1. Lathes
- 1.1.2. CNC lathes
- 1.1.3. Milling machines
- 1.1.4. Machining centres
- 1.1.5. Drilling machines
- 1.1.6. Boring machines
- 1.1.7. Grinding machines
- 1.1.8. Gear cutting machines
- 1.1.9. Tool sharpeners
- 1.1.10. Electrospark erosion machines
- 1.1.11. Machines for bulk forming
- 1.1.12. Machines for metal-sheet forming
- 1.1.13. Punching presses
- 1.1.14. Special presses
- 1.1.15. Forming centres
- 1.1.16. Forging machines and hammers
- 1.1.17. Single-purpose machine tools and forming machines
- 1.1.18. Automatic lines and robotized workplaces
- 1.1.19. Machines and equipment for other special technologies

1.2. Welding, soldering/brazing and gluing

- 1.2.1. Machines and equipment for electric arc welding and surfacing
- 1.2.2. Machines and equipment for flame welding and surfacing
- 1.2.3. Machines and equipment for electric resistance welding
- 1.2.4. Machines and equipment for pressure welding
- 1.2.5. Physical welding methods
- 1.2.6. Tools and fixture for welding
- 1.2.7. Components and materials for welding
- 1.2.8. Welding robots, manipulators and robotized workplaces
- 1.2.9. Filtration and exhaust (suction) equipment
- 1.2.10. Protective aids for welding
- 1.2.11. Machines and equipment for special welding and surfacing technologies
- 1.2.12. Soldering/brazing technology
- 1.2.13. Gluing technology

1.3. Cutting

- 1.3.1. Band, frame, circular and friction saws
- 1.3.2. Filing machines
- 1.3.3. Grinding machines
- 1.3.4. Thermal cutting (oxygen, plasma, laser, electron beam, wire cutting)
- 1.3.5. Water jet cutting
- 1.3.6. Other types of cutting machines
- 1.3.7. Machines and equipment for special cutting technologies

1.4. Metallurgy

- 1.4.1. Equipment for production of pig-iron (blast furnaces, coke-oven plants, auxiliary equipment)
- 1.4.2. Equipment of steel works (furnaces, continuous casting, electro slag recasting, forming machines)
- 1.4.3. Equipment of rolling and drawing mills
- 1.4.4. Equipment for production of non-ferrous metals (Al, Cu...)
- 1.4.5. Heat treatment of metals
- 1.4.6. Machines for die and precision casting
- 1.4.7. Patterns and moulds for casting production
- 1.4.8. Lining, metallurgical ceramics
- 1.4.9. Raw materials and materials for production of castings
- 1.4.10. Automatic lines and robotized metallurgical workplaces
- 1.4.11. Machines and equipment for other metal-processing technologies

1.5. Surface treatment

- 1.5.1. Machines, equipment and instrumentation of surface treatment shops
- 1.5.2. Surface treatment technologies
- 1.5.3. Fixtures and materials for surface treatment
- 1.5.4. Surface protection
- 1.5.5. Surface treatment workshops

1.6. Chemical production

- 1.6.1. Machines, equipment and apparatuses for mechanical processes (mixing, kneading, filtration, centrifuging, etc.)
- 1.6.2. Machines, equipment and apparatuses for thermal processes
- 1.6.3. Machines, equipment and apparatuses for chemical engineering processes (distillation, rectification, extraction, absorption, etc.)
- 1.6.4. Machines, equipment and apparatuses for electrochemistry
- 1.6.5. Machines, equipment and apparatuses for petroleum refineries and petrochemical industry

1.7. Processing of industrial plastics and rubbers

- 1.7.1. Machines for production of blends
- 1.7.2. Rolling machines
- 1.7.3. Extruders
- 1.7.4. Presses
- 1.7.5. Injection moulding machines
- 1.7.6. Blow moulding machines
- 1.7.7. Forming machines
- 1.7.8. Machine tools
- 1.7.9. Welding machines and aids
- 1.7.10. Trimming machines
- 1.7.11. Metal-coating equipment
- 1.7.12. Rapid prototyping machines

1.8. Production of tools and moulds

1.9. Laser technologies

1.10. Marking, identification, screening techniques

1.11. Automatic production systems and technological workplaces

1.12. Industrial robots and manipulators

1.13. Accessories and equipment for machinery

1.14. Equipment of workshops, industrial furniture for workshops and plants

1.15. Industrial washing and cleaning

1.16. Protective means and aids

2. Tools and implements

- 2.1. Metal-cutting tools
- 2.2. Forming tools
- 2.3. Cutting tools
- 2.4. Abrasive tools and jigs
- 2.5. Measuring tools
- 2.6. Assembly tools and implements
- 2.7. Clamping tools and implements
- 2.8. Manual and mechanized tools and implements
- 2.9. Special tools and implements
- 2.10. Tools for industrial robots
- 2.11. Tooling systems

FOR INDUSTRY

3. Materials, components and sub-deliveries

- 3.1. Metallurgical materials and semifinished products
- 3.2. Forgings, mouldings, castings, workpieces
- 3.3. Metallic structures and construction elements
- 3.4. Non-ferrous metals
- 3.5. Advanced and untraditional materials
- 3.6. Semifinished plastic products (plates, rods, pipes, hoses, profiles and others)
- 3.7. Semifinished rubber products (plates, hoses, sections and others)
- 3.8. Industrial plastics and rubbers
- 3.9. Technical glass and ceramics
- 3.10. Technical fabrics, cork, leather
- 3.11. Jointing materials
- 3.12. Bearings
- 3.13. Sealings
- 3.14. Gearings, gear wheels
- 3.15. Couplings and brakes
- 3.16. Springs and resilient elements
- 3.17. Shafts and pins
- 3.18. Chains and chain wheels
- 3.19. Belts and belt gearing
- 3.20. Motors and drives
- 3.21. Pumps
- 3.22. Compressors and vacuum pumps
- 3.23. Adjustment and control technologies
- 3.24. Lubricating units and devices
- 3.25. Valves and fittings
- 3.26. Piping, tanks, tubs
- 3.27. Heating, ventilation, refrigeration, air – conditioning systems
- 3.28. Filters
- 3.29. Chemical products and semifinished products
- 3.30. Materials and additives for chemical production
- 3.31. Industrial liquids and technical gases
- 3.32. Subdeliveries from other fields

4. Pneumatics and hydraulics

- 4.1. Pneumatic motors, cylinders, clutches and gearboxes
- 4.2. Pneumatic valves
- 4.3. Pneumatic filters, cleaners and separators
- 4.4. Pneumatic control elements and systems
- 4.5. Other pneumatic elements
- 4.6. Hydraulic motors, generators and units
- 4.7. Hydraulic clutches and hydrostatic gearboxes
- 4.8. Hydraulic and telescopic cylinders
- 4.9. Hydraulic valves
- 4.10. Hydraulic filters and fans
- 4.11. Hydraulic hoses
- 4.12. Hydraulic control elements and systems
- 4.13. Other hydraulic elements

5. Metrology, testing and laboratory technology

- 5.1. Scales and weighing technology
- 5.2. Measurement and checking of geometrical parameters
- 5.3. Measurement and checking of mechanical parameters
- 5.4. Measurement and checking of physical parameters
- 5.5. Clocking devices
- 5.6. Measuring of temperature and temperature parameters
- 5.7. Measurement of electrical parameters
- 5.8. Measurement and checking of optical parameters
- 5.9. Measurement of chemical parameters
- 5.10. Devices and equipment for process checking and control
- 5.11. Diagnostics
- 5.12. Analysis
- 5.13. Destructive and nondestructive material testing
- 5.14. Laboratory equipment, accessories and aids
- 5.15. Laboratory data systems
- 5.16. Calibration laboratories and certified testing authorities

6. Manufacture and subdeliveries for automotive industry

- 6.1. Manufacturing machinery and equipment
- 6.2. Manufacturing tools and implements
- 6.3. Production and assembly lines, automation, robotization and manipulation
- 6.4. Manufacture of moulds, forging and pressing
- 6.5. Metallurgical plants and heat treatment
- 6.6. Machining
- 6.7. Welding
- 6.8. Joining
- 6.9. Surface treatment
- 6.10. Engine and gearbox components, braking systems, belt and chain drives
- 6.11. Plastic and technical rubber components
- 6.12. Electrical accessories and electronics
- 6.13. Safety and other stabilizing elements
- 6.14. Other components and materials
- 6.15. Measuring, testing and diagnostics
- 6.16. Development, application, design and information technology

7. Logistics and operational technologies

- 7.1. Information technologies and control systems for logistics
- 7.2. Dispatch and transportation services
- 7.3. Handling technologies and equipment
- 7.4. Transportation devices and conveyors
- 7.5. Fork-lift trucks and carts
- 7.6. Hoisting mechanisms
- 7.7. Lifts
- 7.8. Cranes and crane tracks
- 7.9. Components for transportation equipment
- 7.10. Assembly machines and equipment
- 7.11. Sorting and feeding tools
- 7.12. Shelves and stacking equipment
- 7.13. Weighing systems
- 7.14. Entry and exit systems
- 7.15. Platforms and bridges
- 7.16. Automated storing systems
- 7.17. Packing and packaging materials
- 7.18. Packing and fixation technology
- 7.19. Industrial and transportation packing, customized packing
- 7.20. Special systems and equipment for assembly, handling and storage

8. Waste disposal, recycling and cleaning

- 8.1. Waste disposal machines and equipment
- 8.2. Processing, recycling and disposal of industrial waste
- 8.3. Cleaning of industrial shops and plants
- 8.4. Industrial cleaning of water and air
- 8.5. Noise reduction
- 8.6. Disposal of production pollutants from industrial shops and plants
- 8.7. Monitoring, environmental programmes and projects

9. Refurbished machines and equipment

10. Offer of production capacity, cooperation

11. Services, professional organizations and education

- 11.1. Information technologies in professional fields
- 11.2. Research, development, application
- 11.3. Professional associations, unions and organizations
- 11.4. Professional educational system
- 11.5. Professional literature, press
- 11.6. Professional websites
- 11.7. Projects and construction of new plants
- 11.8. Industrial plants, building sites, offices
- 11.9. Service organizations
- 11.10. Industrial design
- 11.11. Marketing and production
- 11.12. Advertising and promotion services
- 11.13. Professional courses, consulting and education
- 11.14. Financial services