

List of products of the trade fair AUTOMOTIVE ENGINEERING EXPO

Please return this sheet with form
"Application as direct exhibitor"!

Our products and/or services as direct exhibitor
are to be assigned as follows:

(Tick as appropriate)

1 Automotive components

- 1.1 Sealing + insulating materials
- 1.2 Auxiliary materials and consumables
- 1.3 Body components
- 1.4 Body attachments (front end, door/roof modules)
- 1.5 Small parts
- 1.6 Other components

2 Automotive production facilities + line components

- 2.1 Computer-aided/integrated manufacturing (CAM/CIM)
- 2.2 Assembly systems, assembly robots
- 2.3 Production and assembly lines
- 2.4 Geometry stations
- 2.5 Handling, handling robots
- 2.6 Transport + conveyor systems
- 2.7 Materials handling + distribution technology
- 2.8 Energy systems
- 2.9 Operating media
- 2.10 Cleaning and processing systems/recycling
- 2.11 Control equipment
- 2.12 Other production equipment + line components

3 Hardware and software for design + development

- 3.1 Computer-aided design (CAD)
- 3.2 Digital factory
- 3.3 Digital manufacturing, e-manufacturing
- 3.4 Virtual Reality
- 3.5 Production process simulations
- 3.6 Rigid body simulations
- 3.7 Mechanical load simulations
- 3.8 Thermal simulations
- 3.9 Crash test simulations
- 3.10 Software for prototype model construction
- 3.11 Materials databases
- 3.12 Other software and hardware

4 Materials and semi-finished goods

- 4.1 Steel alloys
- 4.2 Aluminium and magnesium alloys
- 4.3 Other non-ferrous metals
- 4.4 Tailored blanks, tailored rolled blanks
- 4.5 Tailored tubes, tubular blanks
- 4.6 Extruded profiles
- 4.7 Thermoplastics and duroplastics
- 4.8 Elastomers and rubber
- 4.9 Fibre-reinforced plastic (short fibres)
- 4.10 Fibre-reinforced plastic (long fibres)
- 4.11 Hybrid composite materials
- 4.12 Sheet moulding compounds (SMC)
- 4.13 Fibres, fabrics, textiles (for reinforced plastics)
- 4.14 Other materials and semi-finished goods

5 Forming + shaping technology (systems, system components, tools)

- 5.1 Sand casting
- 5.2 Die casting
- 5.3 Vacuum die casting
- 5.4 Cold extrusion
- 5.5 Hot extrusion
- 5.6 Thixoforming (rheocasting, thixocasting)
- 5.7 Injection moulding
- 5.8 Extrusion
- 5.9 Pultrusion
- 5.10 Transfer moulding (resin transfer moulding, RTM)
- 5.11 Bending
- 5.12 Hydroforming (IHU)
- 5.13 Hot gas metal forming
- 5.14 Hydromechanical forming
- 5.15 Roll forming
- 5.16 Forging
- 5.17 Deep drawing
- 5.18 Rolling
- 5.19 Thermal treatment
- 5.20 Other shaping and forming techniques
- 5.21 Lubricants, cooling media, release agents etc.

6 Joining technology (systems, system components, tools)

- 6.1 Rivets
- 6.2 Clinching
- 6.3 Soldering techniques and soldering materials
- 6.4 Resistance welding
- 6.5 Arc welding
- 6.6 Lasers and laser welding
- 6.7 Hybrid welding techniques
- 6.8 Electromagnetic pulse techniques
- 6.9 Bonding techniques and adhesives
- 6.10 Hybrid bonding techniques
- 6.11 Other joining techniques

7 Surface technology (systems, system components, materials)

- 7.1 Cleaning and mechanical pretreatment of metals
- 7.2 Metal passivation (phosphating, chromating)
- 7.3 Galvanizing
- 7.4 Plastic pretreatment
- 7.5 Pretreatment chemicals
- 7.6 Sealing techniques and sealants
- 7.7 Painting systems and components
- 7.8 Paint application techniques
- 7.9 Paints and paint systems
- 7.10 Films
- 7.11 Drying and curing
- 7.12 Environmental engineering, processing + recovery systems
- 7.13 Other surface technology

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(Continued)

8 Quality assurance technology/testing and measurement technology

- 8.1 Mechanical load tests
- 8.2 Thermal load tests
- 8.3 Materials analysis
- 8.4 Optical/geometrical component testing
- 8.5 Machine and process data monitoring
- 8.6 Surface testing techniques
- 8.7 Crash test systems and components
- 8.8 Sensors and transducers
- 8.9 Measuring data acquisition and analysis
- 8.10 Other testing and measuring technology

9 Engineering services

- 9.1 Consultancy
- 9.2 Training
- 9.3 Design development, CAD techniques
- 9.4 Engineering services, CAE techniques, simulation
- 9.5 Production facility development
- 9.6 Prototype + model construction
- 9.7 Tool engineering
- 9.8 Construction of equipment
- 9.9 Quality assurance/certification
- 9.10 Research institutes/universities
- 9.11 Other services

Exhibited articles and/or services of direct exhibitor

(Please enter your keywords for the online exhibition catalog here;
max. 400 characters per language)

(English)

(German)

We accept all items of the enclosed Special and General Conditions for Participation. **The stated company data and exhibits can already be recorded and published.**