

About this organisation

Machine translation

This organisation has been machine-translated based on data provided in German.

WAFIOS is one of the world's leading companies in the field of specialised mechanical engineering. We develop, design and manufacture technically sophisticated machines for the wire and tube processing industry as well as for cold forming. The high standard of our machines is based on the use of state-of-the-art drive and control technology and innovative software. We employ around 1,100 people worldwide.

WAFIOS AG has a broad range of expertise and technologies for realising lightweight construction in a wide variety of fields. In design and production, the use of efficient methods and materials enables maximum lightweight construction to be realised in the machines and systems manufactured. The solutions and services, for example in the area of tools, enable customers to process lightweight materials reliably and thus realise the lightest and most material-efficient solutions possible.

Silberburgstr. 5
72764 Reutlingen
Baden-Württemberg
Germany
www.wafios.com



Organisation type

Large enterprises

Sectors



Employees

500 and more

Turnover

More than €50m

Funding



About this organisation

Main areas covered Spring coiling & wire bending machines

Infrastructure

Certifications ISO 9001, ISO 50001

Keywords Winches, Nappy changing, Bending, Spring, Wire

Memberships VDFI e.V.

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Offer			
Products Machines and plants, Tools and moulds	✓	✓	✓
Services & consulting Training, Prototyping, Simulation, Maintenance and repair	✓	✓	✓

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Field of technology			
Design & layout Hybrid structures		✓	
Functional integration Actuator technology, Sensor technology		✓	
Measuring and testing technology Component and part analysis, Visual analysis (e.g. microscopy, metallography), System analysis, Destructive analysis, Non-destructive analysis		✓	
Modelling and simulation Loads & stress, Life-cycle analysis, Multiphysics simulation, Optimisation, Processes, Structural mechanics, Materials, Reliability validation		✓	
Plant construction & automation Plant construction, Automation technology, Handling technology, Robotics		✓	✓
<i>Recycling technologies</i>			

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Manufacturing process			
Additive manufacturing 3D printing, Selective laser melting (SLM, LPBF, ...)			✓
Coating (surface engineering) Painting			✓
<i>Fibre composite technology</i>			
Forming Bending			✓
Joining Adhesive bonding, Soldering, Riveting, Screwing, Welding			✓
Material property alteration Heat treatment			✓
<i>Primary forming</i>			
Processing and separating Drilling, Turning, Milling, Electrical discharge machining, Sawing, Grinding, Cutting			✓
<i>Textile technology</i>			

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Material			
<i>Biogenic materials</i>			
<i>Cellular materials (foam materials)</i>			
<i>Composites</i>			
<i>Fibres</i>			
<i>Functional materials</i>			
Metals Aluminium, Intermetallic alloys, Magnesium, Steel, Titanium			✓
Plastics Thermoset plastics, Elastomers, Thermoplastics			✓
<i>Structural ceramics</i>			
<i>(Technical) textiles</i>			

Contacts

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Contacts

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