

About this organisation

Machine translation

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

The "perfect connection" is more than just a motto for us at NIMAK, it is our passion. We have been finding innovative solutions for more than 50 years. From manual welding guns to robot-supported automation systems - we turn challenging tasks into technological progress. We are the only company in the world to offer resistance welding and bonding & dosing technology from a single source!

New and environmentally friendly lightweight construction methods place special demands on joining technology. NIMAK therefore offers a wide range of welding processes: Alternating current, medium frequency or capacitor discharge technology or - brand new: short pulse welding. Short pulse welding combines the advantages of capacitor discharge welding with those of medium frequency technology. This means that an increasing variety of materials can be welded in lightweight construction with short welding times and highly dynamic actuators, and a flexible production process can be realised. Thanks to the realisation of force profiles and highly dynamic repositioning behaviour, aluminium can be spot and projection welded with process reliability. Glued joints are also being used more and more frequently. NIMAK guarantees absolute reliability and precision. Whether aluminium or a mix of materials, whether welding or bonding - NIMAK is your partner when it comes to the perfect connection.

Frankenthal 2
57537 Wissen
Rhineland-Palatinate
Germany
www.nimak.de



Organisation type

Large enterprises

Sectors



Employees

250 up to 499

Turnover

More than €50m

Funding

n/a



About this organisation

Main areas covered	Resistance welding, Short pulse welding, Gluing and dosing technology
Infrastructure	Laboratory, Technology centre, Test benches
Certifications	ISO 9001, ISO 14001
Keywords	Pressure welding process, Joining technology, Welding tongs, Welding machine, Welding robots
Memberships	Automotive Centre Südwestfalen GmbH, Rhineland-Palatinate Vehicle Initiative

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Offer			
Products Machines and plants	✓	✓	✓
Services & consulting Engineering, Validation, Simulation, Technology transfer, Maintenance and repair		✓	✓
Field of technology			
<i>Design & layout</i>			
<i>Functional integration</i>			
<i>Measuring and testing technology</i>			
<i>Modelling and simulation</i>			
Plant construction & automation Automation technology, Robotics		✓	✓
<i>Recycling technologies</i>			

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Manufacturing process			
Additive manufacturing			
Coating (surface engineering)			
Fibre composite technology			
Forming			
Joining			
Adhesive bonding, Welding	✓	✓	✓
Material property alteration			
Primary forming			
Processing and separating			
Textile technology			

Overview of lightweighting expertise

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

Contacts

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Contacts

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