

INOMETA GmbH

Thermoplastics

About this organisation

Machine translation

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

INOMETA GmbH is a technological leader in the development, production and finishing of technical lightweight products made of aluminium and fibre composites such as CFRP and GFRP. We specialise in high-quality and innovative lightweight solutions as well as the development and production of functional surfaces.

In the "Thermoplastics" business unit, INOMETA offers the entire range of services for thermoplastic fibre composite components that can be manufactured using the tape winding and tape laying process, from design and prototyping through to series production. In thermoplastic tape winding, the tape is melted locally by laser using a robot-guided laying unit and deposited on a rotating core. Thanks to the availability of two fully-fledged winding axes, the finished winding body can be processed in parallel to production time. The process is particularly suitable for rotationally symmetrical and thin-walled components that are produced in large quantities or with high production tolerance requirements.

Planckstraße 15
32052 Herford
North Rhine-Westphalia
Germany
www.inometa.de



Organisation type

Small or medium-sized enterprise

Sectors



Others: Pumpen, Hydraulik, Pneumatik, Vakuumtechnik, Kompressoren, Power Tools, Elektromotoren, Gleitlager

Employees

50 up to 249

Turnover

n/a

Funding

n/a



INOMETA GmbH

Thermoplastics

About this organisation

Main areas covered	Tubes & Profiles, Rotationally symmetrical components, Internally pressurised applications
Infrastructure	Laser-assisted winding system, Robot-supported material storage, Two fully-fledged winding axles, Machine tools for processing
Certifications	DIN EN ISO 9001, DIN EN ISO 50001
Keywords	Thermoplastic, Tape, CFRP, Nappy changing
Memberships	

Overview of lightweighting expertise

Machine translation

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

	Research	Development	Manufacturing & Supply
Offer			
Products Parts and components, Semi-finished parts, Tools and moulds		✓	✓
Services & consulting Consulting, Testing and trials, Engineering, Prototyping, Validation, Maintenance and repair		✓	✓

Overview of lightweighting expertise

Machine translation

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

	Research	Development	Manufacturing & Supply
Field of technology			
Design & layout Lightweight manufacturing, Lightweight design, Hybrid structures, Lightweight construction concepts, Lightweight material construction		✓	✓
Functional integration Actuator technology, Sensor technology, Thermal activation	✓	✓	✓
Measuring and testing technology Component and part analysis, Materials analysis, Non-destructive analysis		✓	✓
Modelling and simulation Loads & stress, Life-cycle analysis, Optimisation, Processes, Structural mechanics, Materials, Reliability validation		✓	✓
<i>Plant construction & automation</i>			
<i>Recycling technologies</i>			

Overview of lightweighting expertise

Machine translation

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

	Research	Development	Manufacturing & Supply
Manufacturing process			
Additive manufacturing 3D printing		✓	✓
Coating (surface engineering) Plasma process, Powder coating		✓	✓
Fibre composite technology Filament winding, Pre-preg processing			✓
<i>Forming</i>			
Joining Hybrid joining, Adhesive bonding, Soldering, Riveting, Screwing, Welding			✓
<i>Material property alteration</i>			
<i>Primary forming</i>			
Processing and separating Drilling, Turning, Milling, Sawing, Grinding, Cutting		✓	✓
<i>Textile technology</i>			

INOMETA GmbH

Thermoplastics

Overview of lightweighting expertise

Machine translation

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

	Research	Development	Manufacturing & Supply
Material			
<i>Biogenic materials</i>			
<i>Cellular materials (foam materials)</i>			
Composites Glass-fiber reinforced plastics (GFRP), Carbon-fiber reinforced plastics (CFRP)		✓	✓
Fibres Glass fibres, Carbon fibres			✓
<i>Functional materials</i>			
Metals Aluminium, Steel			✓
Plastics Thermoplastics, Others (PP, PE, PA6, PA66, PA12, PPS, PEEK, PVDF, ...)			✓
<i>Structural ceramics</i>			
<i>(Technical) textiles</i>			

Contacts

Machine translation

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

Contacts

Ms Verena Assmuth

*Programme Management Thermoplastics
Development*

vah@avanco.de