ALPHA LASER GmbH

Development department

About this organisation

Machine translation

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

ALPHA LASER GmbH is an owner-managed, medium-sized company specialising in the development and manufacture of mobile laser systems for welding, cutting and hardening. The laser systems offer the ideal welding solution for a wide range of applications thanks to their high welding speed, slim weld seams and low thermal distortion.

The AL3D-METAL 250 3D printer from ALPHA LASER ensures safe, clean and economical powder handling during metal printing. Thanks to a closed cartridge circuit, the operator never comes into contact with the powder during the entire printing process. As soon as the component has been printed, the cartridge is inserted into the AL3D-CABIN unpacking station and the component is separated from the powder. The excess powder can be extracted directly into bottles for further processing or reuse. This plus is unique and redefines the standard of occupational safety in additive manufacturing.

Junkersstrasse
82178 Puchheim
Bavaria
Germany
alphalaser.de

Organisation type
Small or medium-sized enterprise

Sectors

Employees
50 up to 249

Turnover
€10m - €50m

Funding

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Main areas covered	Machines for laser beam melting, Machines for laser welding, Machines for laser powder application
Infrastructure	
Certifications	
Keywords	
Memberships	

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Offer			
Products Machines and plants	✓	✓	✓
Services & consulting Prototyping, Maintenance and repair	✓	✓	✓
Field of technology			
Design & layout			
Functional integration			
Measuring and testing technology			
Modelling and simulation			
Plant construction & automation Plant construction, Automation technology, Robotics	✓	✓	✓
Recycling technologies			

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Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Manufacturing process			
Additive manufacturing 3D printing, Deposition welding, Selective laser melting (SLM, LPBF, ...)	✓	✓	✓
Coating (surface engineering) Others (Laser powder cladding)			✓
Fibre composite technology			
Forming			
Joining Welding			✓
Material property alteration			
Primary forming			
Processing and separating Cutting			✓
Textile technology			

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	Research	Development	Manufacturing & Supply
Material			
Biogenic materials			
Cellular materials (foam materials)			
Composites			
Fibres			
Functional materials			
Metals Aluminium, Steel, Titanium, Others (Laser material processing of metals)		✓	✓
Plastics			
Structural ceramics			
(Technical) textiles			

Contacts

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Contacts

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