Rosswag GmbH

Rosswag Engineering

About this organisation

Machine translation

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

Rosswag Engineering manufactures 3D-printed metal components from stainless steel, tool steel, aluminium, titanium and nickel-based alloys. In addition, the company offers material development for the metal 3D printing process, as well as engineering services and design workshops for additive technology.

The service portfolio offers a unique process chain that ranges from the production of high-quality metal powder to additive metal 3D printing production on two systems, specific heat treatment, CNC reworking, testing of mechanical and technological properties in the in-house materials laboratory and comprehensive quality assurance. The Rosswag Engineering and Edelstahl Rosswag divisions together form Rosswag GmbH. Since 1911, this company with over 200 employees has stood for the highest quality, innovation and precision in the manufacture of components from over 400 different metals and special materials.

August-Roßwag-Str. 1
76327 Pfinztal
Baden-Württemberg
Germany
rosswag-engineering.de

Organisation type
Small or medium-sized enterprise

Sectors

Employees
50 up to 249

Turnover
€10m - €50m

Funding
n/a




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About this organisation

Main areas covered	Metal 3D printing with aluminium/steel, Selective laser melting / SLM, Powder material development for SLM, Component production using SLM, Topology optimisation using SLM
Infrastructure	2 metal 3D printing systems, Test laboratory for tensile tests, etc.
Certifications	ISO 9001, DIN ISO 9100, BS OHAS 18001
Keywords	3D PRINTING, HIGH-PERFORMANCE MACHINING
Memberships	

Overview of lightweighting expertise

Machine translation

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	Research	Development	Manufacturing & Supply
Offer			
Products Materials, Tools and moulds		✓	✓
Services & consulting Training, Consulting, Testing and trials, Engineering, Prototyping, Validation, Simulation		✓	✓

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Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Field of technology			
Design & layout Lightweight manufacturing, Hybrid structures, Lightweight construction concepts		✓	✓
Functional integration			
Measuring and testing technology Component and part analysis, Visual analysis (e.g. microscopy, metallography), Materials analysis, Destructive analysis, Non-destructive analysis		✓	✓
Modelling and simulation Life-cycle analysis, Optimisation, Processes, Structural mechanics, Materials		✓	✓
Plant construction & automation			
Recycling technologies Recycling, Others (Production of metal powder for metal 3D printing from forging remnants)		✓	✓

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Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Manufacturing process			
Additive manufacturing 3D printing, Selective laser melting (SLM, LPBF, ...), Others (with stainless steel, aluminium, tool steel, titanium and nickel-based material)		✓	✓
Coating (surface engineering)			
Fibre composite technology			
Forming			
Joining			
Material property alteration			
Primary forming			
Processing and separating			
Textile technology			

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Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Material			
Biogenic materials			
Cellular materials (foam materials)			
Composites			
Fibres			
Functional materials			
Metals Aluminium, Steel, Titanium, Others (Metal puvler for metal 3D printing)		✓	✓
Plastics			
Structural ceramics			
(Technical) textiles			

Contacts

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Contacts

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