

PMT GmbH

Additive manufacturing" area

About this organisation

Machine translation

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

PMT GmbH has been active on the market since 2005. We are an engineering office, a technical trade and service provider in the field of additive manufacturing. Our core competence is the development of new components/assemblies or the redesign of existing components/assemblies. We always look for the optimum geometry for the most suitable manufacturing process, taking into account the component/assembly function.

In the field of additive manufacturing, we specialise in lightweight construction. We utilise the conventional principles of lightweight construction and combine these with innovative lattice structures or Voronoi structures. We have a wide range of software tools and many years of experience in this field.

Borsigstraße 6
32369 Rahden
North Rhine-Westphalia
Germany

www.pmt.de



Organisation type

Small or medium-sized enterprise

Sectors

No specific sector

Employees

10 up to 49

Turnover

Up to €2m

Funding

n/a

Main areas covered Additive manufacturing, reengineering

Infrastructure 3D measurement scanner from Keyence, Solidworks, Materialise 3Matic, Materialise Magics

Certifications DIN ISO 9001

Keywords 3D printing, Value analysis, Reengineering, Multijet Fusion

Memberships 3D Printing Association e.V.

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Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Offer			
Products Parts and components, Machines and plants, Systems and end products, Tools and moulds	✓	✓	
Services & consulting Training, Consulting, Engineering, Prototyping	✓	✓	
Field of technology			
Design & layout Lightweight manufacturing, Lightweight design, Hybrid structures, Lightweight construction concepts	✓	✓	
Functional integration Actuator technology	✓		
Measuring and testing technology Component and part analysis, Non-destructive analysis, Others (Component measurement with measuring scanner and optical 3D measuring device)		✓	
<i>Modelling and simulation</i>			
Plant construction & automation Handling technology	✓		
Recycling technologies Downcycling	✓		

Overview of lightweighting expertise

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Manufacturing
Research Development & Supply

Manufacturing process

Additive manufacturing

3D printing, Selective laser sintering (SLS),
Stereolithography, Others (Multi-jet Fusion
technology with PA12 and TPU)



Coating (surface engineering)

Painting, Others (Colouring of SLS components
and multi-jet fusion components)



Fibre composite technology

Forming

Impact extrusion, Compression moulding,
Forging, Extrusion moulding, Deep-drawing



Joining

Adhesive bonding, Riveting, Screwing



Material property alteration

Mechanical treatment



Primary forming

Casting, Sintering, Injection moulding , Others
(Powder metal injection moulding (MIM - Metal
Injection Moulding))



Processing and separating

Drilling, Turning, Milling



Textile technology

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Manufacturing
Research Development & Supply

Material

Biogenic materials

Cellular materials (foam materials)

Composites

Fibres

Functional materials

Metals

Plastics

Structural ceramics

(Technical) textiles

Contacts

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