

### 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](http://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.

## Overview of lightweighting expertise

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

## Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
<b>Manufacturing process</b>			
<b>Additive manufacturing</b> 3D printing, Selective laser sintering (SLS), Stereolithography, Others (Multijet Fusion technology with PA12 and TPU)			✓
<b>Coating (surface engineering)</b> Painting, Others (Colouring of SLS components and multijet fusion components)			✓
<i>Fibre composite technology</i>			
<b>Forming</b> Impact extrusion, Compression moulding, Forging, Extrusion moulding, Deep-drawing		✓	
<b>Joining</b> Adhesive bonding, Riveting, Screwing			✓
<b>Material property alteration</b> Mechanical treatment			✓
<b>Primary forming</b> Casting, Sintering, Injection moulding , Others (Powder metal injection moulding (MIM - Metal Injection Moulding))		✓	
<b>Processing and separating</b> Drilling, Turning, Milling			✓
<i>Textile technology</i>			

**Overview of lightweighting expertise**

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	Research	Development	Manufacturing & Supply
Material			
<i>Biogenic materials</i>			
<i>Cellular materials (foam materials)</i>			
<i>Composites</i>			
<i>Fibres</i>			
<i>Functional materials</i>			
<i>Metals</i>			
<i>Plastics</i>			
<i>Structural ceramics</i>			
<i>(Technical) textiles</i>			

**Contacts**

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