

LMPv LeichtMetall Produktion & Verarbeitung GmbH

About this organisation

Machine translation

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

LMPv - Leichtmetall Produktion & Verarbeitung GmbH is, by definition, an affiliated company with a production facility for new, ultra-lightweight metallic materials. It is the youngest subsidiary of the MTW GmbH Group based in Dermbach, Thuringia. We develop innovative solutions made of non-ferrous metals for customers in the aerospace, medical technology, mechanical engineering and automotive engineering sectors.

LMPv GmbH develops various Mg-based alloys for different fields of application. Examples of LMPv's tasks include MagAir (development of an economically attractive process for producing a particle composite based on a magnesium alloy for structural applications in aircraft interiors), the development of innovative lightweight system solutions with magnesium alloys for transport technology and MagHyM (development of corrosion- and fire-resistant structural components made of magnesium hybrid materials for civil aircraft construction).

Untere Röde 13
36466 Dermbach
Thuringia
Germany
www.lmpv.de

Main areas covered Mg alloy development, Hot forging, Melting, Rolling of sheets and plates, Cutting sheet metal and panels to size

Infrastructure

Certifications

Keywords Mg alloy development, Mg alloy modification, Mg semi-finished products, Mg drop forgings

Memberships



Organisation type

Small or medium-sized enterprise

Sectors



Employees

50 up to 249

Turnover

More than €50m

Funding

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Offer			
Products Semi-finished parts, Materials		✓	✓
Services & consulting Testing and trials	✓	✓	
Field of technology			
Design & layout Lightweight manufacturing, Hybrid structures	✓		
<i>Functional integration</i>			
<i>Measuring and testing technology</i>			
<i>Modelling and simulation</i>			
<i>Plant construction & automation</i>			
<i>Recycling technologies</i>			

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Manufacturing process			
<i>Additive manufacturing</i>			
<i>Coating (surface engineering)</i>			
<i>Fibre composite technology</i>			
Forming Forging, Rolling			✓
<i>Joining</i>			
<i>Material property alteration</i>			
Primary forming Casting, Others (Belt moulding)			✓
Processing and separating Milling, Cutting			✓
<i>Textile technology</i>			

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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>			
Metals			
Magnesium			✓
<i>Plastics</i>			
<i>Structural ceramics</i>			
<i>(Technical) textiles</i>			

Contacts

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