

About this organisation

Machine translation

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

PSTproducts is the market and technology leader in EMPT machine systems for product-specific industrial manufacturing. Electromagnetic pulse technology (EMPT) is an innovative welding, joining, forming and cutting technology. It offers significant technical and economic advantages compared to conventional processes.

EMPT technology has been used in mass production in the automotive industry for over 10 years. While this was initially limited to assemblies such as tanks, filters or injection nozzles, today's applications go far beyond this. EMPT technology is now used to manufacture body-in-white applications such as crash management systems, frame structures, safety-relevant pressure vessels and all kinds of functional units.

Junkersstraße 1
63755 Alzenau
Hesse
Germany
www.pstproducts.com



Organisation type

Small or medium-sized enterprise

Sectors



Employees

50 up to 249

Turnover

€10m - €50m

Funding

n/a

Main areas covered

Plant engineering

Infrastructure

Certifications

Keywords

Memberships

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Offer			
Products Parts and components, Machines and plants, Tools and moulds		✓	✓
Services & consulting Testing and trials, Engineering, Prototyping, Simulation, Maintenance and repair	✓	✓	✓
Field of technology			
Design & layout Lightweight manufacturing, Lightweight design, Hybrid structures, Lightweight construction concepts		✓	✓
Functional integration Actuator technology, Sensor technology			✓
Measuring and testing technology Component and part analysis, Destructive analysis, Non-destructive analysis			✓
Modelling and simulation Loads & stress, Life-cycle analysis, Optimisation			✓
Plant construction & automation Plant construction, Automation technology, Handling technology, Robotics		✓	✓
Recycling technologies Recycling			✓

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			✓
Fluid active media based forming			
Joining			✓
Hybrid joining, Welding			
<i>Material property alteration</i>			
<i>Primary forming</i>			
<i>Processing and separating</i>			
<i>Textile technology</i>			

Overview of lightweighting expertise

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Research Development **Manufacturing
& Supply**

Material

Biogenic materials

Cellular materials (foam materials)

Composites

Fibres

Functional materials

Metals

Plastics

Structural ceramics

(Technical) textiles

Contacts

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