Fraunhofer Institute for Production Systems and Design Technology Joining and coating technology

About this organisation

Machine translation

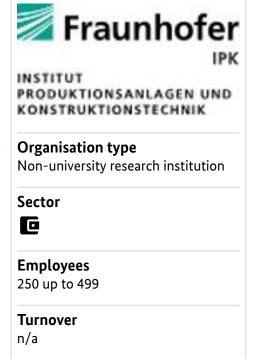
This organisation has been machine-translated based on data provided in German.

As a production technology R&D partner with strong IT expertise, the Fraunhofer Institute for Production Systems and Design Technology IPK offers system solutions, individual technologies and services for digitally integrated production.

R&D Lightweight construction in automotive engineering (car body)

Pascalstraße 8-9 10587 Berlin Berlin Germany

www.ipk.fraunhofer.de



Funding

Main areas covered	Manufacturing, Digital Engineering, Production management, Production processes and systems, Automation
Infrastructure	3500 square metre central test field, 9500 square metres in the entire PTZ, Specialised laboratories, ~ 100 test stands
Certifications	DQS-certified according to ISO 9001:2015
Keywords	High-strength steel, DP 1200, DP 1000, Tailor Welded Blanks TWB
Memberships	

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Overview of lightweighting expertise Machine translation This organisation has been machine-translated based on data provided in German.					
Offer					
Products Systems and end products, Materials, Tools and moulds	✓	~	✓		
Services & consulting Testing and trials, Engineering, Prototyping, Validation, Simulation, Technology transfer	✓	✓	~		
Field of technology					
Design & layout					
Functional integration					
Measuring and testing technology					
Modelling and simulation Life-cycle analysis, Optimisation, Processes, Structural mechanics, Materials	✓	✓	✓		
Plant construction & automation					
Recycling technologies					

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Overview of lightweighting expertise Machine translation This organisation has been machine-translated based on data provided in German.				
Manufacturing process				
Additive manufacturing 3D printing, Deposition welding	✓	✓	✓	
Coating (surface engineering)				
Fibre composite technology				
Forming				
Joining Welding	✓	✓	✓	
Material property alteration				
Primary forming				
Processing and separating				
Textile technology				

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Overview of lightweighting expertise **Machine translation** This organisation has been machine-translated based on data provided in German. Manufacturing & Supply Research Development Material Biogenic materials Cellular materials (foam materials) Composites **Fibres** Functional materials Metals Aluminium, Steel, Others (High-strength steel Automotive steel) **Plastics** Structural ceramics (Technical) textiles

Contacts

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