PT&B SILCOR GmbH

About this organisation

Machine translation

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

PT&B SILCOR GmbH offers functional plasma vacuum coatings (metals, nitrides, DLC and silicon carbide, etc.) for light metals and composite materials. Our coatings act as corrosion and wear protection, diffusion barriers or for EMC. PT&B's business activities include R&D projects, contract coating and the design and manufacture of coating systems.

The use of light metals is severely restricted by mechanical wear or specific corrosion - even in contact. These disadvantages can be overcome with the help of a suitable plasma CVD or sputter PVD coating. Depending on the application, the coatings are highly corrosion-resistant, friction and wear-reducing, hydrophobic or hydrophilic and diffusion-tight. Composite materials are also limited in their application. Their use often fails due to a lack of gas tightness or electrical conductivity. These disadvantages can also be overcome with a suitable coating. PT&B SILCOR GmbH cooperates in R&D projects for new developments, offers the corresponding contract coating as a service and manufactures customised coating systems.

Steinfeldstraße 3
39179 Barleben
Saxony-Anhalt
Germany
www.pt-b.de

Organisation type
Small or medium-sized enterprise

Sectors

Employees
10 up to 49

Turnover
Up to €2m

Funding
n/a

Main areas covered	Functional coatings, Contract coating, Coating systems
Infrastructure	
Certifications	ISO 9001
Keywords	
Memberships	

PT&B SILCOR GmbH

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Offer			
Products Parts and components, Semi-finished parts, Materials, Tools and moulds	✓	✓	✓
Services & consulting			
Field of technology			
Design & layout			
Functional integration			
Measuring and testing technology			
Modelling and simulation			
Plant construction & automation			
Recycling technologies			
Manufacturing process			
Additive manufacturing			
Coating (surface engineering) Plasma process, Sputtering	✓	✓	✓
Fibre composite technology			
Forming			
Joining			
Material property alteration			
Primary forming			
Processing and separating			
Textile technology			

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Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Material			
Biogenic materials			
Cellular materials (foam materials)			
Composites			
Fibres			
Functional materials			
Metals Aluminium, Intermetallic alloys, Magnesium, Steel, Titanium	✓	✓	✓
Plastics			
Structural ceramics			
(Technical) textiles			

Contacts

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Contacts

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