ANYBRID GmbH

About this organisation

Machine translation

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

Through the targeted use of lightweight construction technologies, we have managed to combine the otherwise rigid machine technology of injection moulding with classic industrial robotics. This allows us to move the injection moulding system technology freely in space for the first time, giving production unique agility and producing hybrid components with unparalleled variability.

The challenge in combining different materials to create hybrid components always lies in the effort and costs involved. For large components and small series quantities, hybridisation is limited to classic processes such as bonding or welding, sometimes with high manual costs. Due to the high system and mould costs, hybrid injection moulding has so far been limited to small components or large series quantities. This is exactly where we come in and completely rethink the process and product. In doing so, we reduce the mass of the injection moulding machine to a minimum. We rely on small injection units and compact, inexpensive and quickly exchangeable moulds. Together with our lightweight clamping system, we can also utilise the extensive advantages of hybrid technologies for smaller series and large components.

Organisation type
Small or medium-sized enterprise

Sector

Employees
Up to 9

Turnover
n/a

Funding
n/a

Marschnerstr. 39
01307 Dresden
Saxony
Germany
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About this organisation

Main areas covered	Injection moulding machine, Production of hybrid components, Development of hybrid products, Process design
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 Consulting, Engineering, Validation, Simulation		✓	✓

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Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Field of technology			
Design & layout Hybrid structures		✓	✓
Functional integration			
Measuring and testing technology Component and part analysis, Materials analysis		✓	✓
Modelling and simulation Processes, Materials			✓
Plant construction & automation Plant construction, Robotics		✓	✓
Recycling technologies			
Manufacturing process			
Additive manufacturing			
Coating (surface engineering)			
Fibre composite technology			
Forming			
Joining Hybrid joining		✓	✓
Material property alteration			
Primary forming Injection moulding		✓	✓
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) Closed-pore, Open-pore			✓
Composites Glass-fiber reinforced plastics (GFRP), Carbon-fiber reinforced plastics (CFRP), Natural fibre reinforced plastics (NFRP)			✓
Fibres			
Functional materials			
Metals Aluminium, Steel			✓
Plastics Thermoplastics		✓	✓
Structural ceramics			
(Technical) textiles Yarns, rovings, Meshes, Laid webs, Crocheted fabrics, Woven fabrics, Knitted fabrics, Nonwovens, mats			✓

Contacts

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Contacts

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Founder

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