Symate GmbH

About this organisation

Machine translation

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

Symate GmbH - a spin-off of the Institute for Machine Tools and Control Engineering at the Technical University of Dresden - develops and markets the browser-based software platform Detact® for integrated technology data management. The software was developed for engineers who want to digitise, visualise and analyse complex technical processes in order to create process transparency and expand engineering knowledge.

Detact® actively supports manufacturing companies in the optimisation of sampling and start-up processes for new products and the significant reduction in the cost of error analysis in ongoing production. Detact® automates data preparation in complex manufacturing processes and in test series and can establish a direct connection to a large number of heterogeneous data sources. We use the system to support development and manufacturing processes for composites at renowned research institutes and companies.

Kraftwerk Mitte 7
01067 Dresden
Saxony
Germany
www.detact.de

Organisation type
Small or medium-sized enterprise

Sector
Others: Informationstechnologie (IT)

Employees
10 up to 49

Turnover
n/a

Funding
n/a




Symate GmbH

About this organisation

Main areas covered	Artificial intelligence, Process monitoring, Predictive maintenance, Quality Prediction, Control centre
Infrastructure	Detact®, Detact® Connect, www.detact.de
Certifications	
Keywords	Process monitoring, Predictive maintenance, Big Data, Production control centre, Artificial intelligence
Memberships	Composites United e. V., Wir Gestalten Dresden e. V.

Overview of lightweighting expertise

Machine translation

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

	Research	Development	Manufacturing & Supply
Offer			
Products Software & databases	✓	✓	✓
Services & consulting Consulting, Testing and trials, Maintenance and repair		✓	✓

Symate GmbH

Overview of lightweighting expertise

Machine translation

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

	Research	Development	Manufacturing & Supply
Field of technology			
Design & layout			
Functional integration			
Measuring and testing technology			
Modelling and simulation Optimisation, Processes, Materials		✓	✓
Plant construction & automation Automation technology			✓
Recycling technologies			

Symate GmbH

Overview of lightweighting expertise

Machine translation

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

	Research	Development	Manufacturing & Supply
Manufacturing process			
Additive manufacturing 3D printing, Deposition welding, Electron beam melting, Laminated object manufacturing (LOM), Fused deposition modeling, Selective laser melting (SLM, LPBF, ...), Selective laser sintering (SLS), Stereolithography			✓
Coating (surface engineering) Galvanising, Painting, Plasma process, Powder coating, Hot dipping, Sputtering			✓
Fibre composite technology Fibre spraying, Filament winding, Casting (concrete), Manual lamination, Resin infusion process, Resin transfer moulding, Pre-preg processing, Spinning (concrete), Spraying (concrete), Vacuum infusion			✓
Forming Bending, Impact extrusion, Compression moulding, Forging, Extrusion moulding, Stretch forming, Thermal converting, Deep-drawing, Fluid active media based forming, Rolling			✓
Joining Clinching, Hybrid joining, Adhesive bonding, Soldering, Sewing, Riveting, Screwing, Welding			✓
Material property alteration			
Primary forming Extrusion, Casting, Pultrusion, Sintering, Injection moulding			✓
Processing and separating Drilling, Turning, Milling, Electrical discharge machining, Honing, Sawing, Shearing/punching, Grinding, Cutting			✓
Textile technology Fibre manufacturing, Braiding, Yarn & roving production, Preforming, Knitting, Textile surface treatment and finishing, Nonwoven &			✓

Symate GmbH

Overview of lightweighting expertise

Machine translation

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

	Research	Development	Manufacturing & Supply
Material			
Biogenic materials			
Cellular materials (foam materials)			
Composites			
Fibres			
Functional materials			
Metals			
Plastics			
Structural ceramics			
(Technical) textiles			

Contacts

Machine translation

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

Mr Dr. Martin Juhrisch

Managing Director

martin.juhrisch@symate.de