

Xploraytion GmbH

About this organisation

Machine translation

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

As a service provider in the fields of R&D and science, Xploraytion offers access to state-of-the-art synchrotron-based materials analysis. In the field of materials science, Xploraytion offers μ CT analyses and extensive 3D data analysis. Thanks to special hardware and optimised workflows, μ CT examinations can be carried out with a very high throughput (>100 samples/8h).

Thanks to our expertise in the field of 3D analysis of additively manufactured and bio-inspired materials, we are also available to provide advice on the scientific classification of research results in addition to data evaluation.

Invalidenstrasse 34
10115 Berlin
Berlin
Germany
www.xploraytion.com



Organisation type

Small or medium-sized enterprise

Sectors



Employees

Up to 9

Turnover

Up to €2m

Funding

n/a

About this organisation

Main areas covered CT service provider

Infrastructure Complete 3D analysis of components

Certifications

Keywords Computer Tomography

Memberships

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
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Offer

Products

Services & consulting

Consulting, Testing and trials, Validation



Field of technology

Design & layout

Functional integration

Measuring and testing technology

Modelling and simulation

Plant construction & automation

Recycling technologies

Overview of lightweighting expertise

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	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		✓	
<i>Coating (surface engineering)</i>			
<i>Fibre composite technology</i>			
<i>Forming</i>			
<i>Joining</i>			
<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 Bioplastics, Biocomposites, Wood	✓		
Cellular materials (foam materials) Closed-pore, Open-pore, Syntactic foams	✓		
Composites Aramid fibre composites, Basalt fibre-reinforced plastic, Glass-fiber reinforced plastics (GFRP), Ceramic matrix composite (CMC), Carbon-fiber reinforced plastics (CFRP), Short fibre-reinforced concrete, Metal-fibre-polymer composite, Metal-ceramic composite, Metal matrix composite, Nanocomposites, Natural fibre reinforced plastics (NFRP), Laminates, Particulate composites, Textile-reinforced concrete	✓		
Fibres Aramid fibres, Basalt fibres, Glass fibres, Ceramic fibres, Carbon fibres, Metal fibres, Natural fibres	✓		
<i>Functional materials</i>			
Metals Aluminium, Intermetallic alloys, Magnesium, Steel, Titanium	✓		
Plastics Thermoset plastics, Elastomers, Thermoplastics	✓		
Structural ceramics Monolithic ceramics, Non-oxidic ceramics, Oxidic ceramics, Ultra-high-temperature ceramics	✓		
<i>(Technical) textiles</i>			

Contacts

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Managing Director

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