

About this organisation

voxeljet is a provider of high-speed, large-format 3D printers and on-demand parts services to industrial and commercial customers. The company's 3D printers employ the binder jetting additive manufacturing technology to produce parts using various sand and polymer materials, proprietary binding agents. The company provides its 3D printers and on demand parts services to industrial and commercial customers.

Binder Jetting or additive manufacturing in general is a layer based manufacturing technology, based on digital CAD data. This technology can be used to produce components with topology-optimized and thus highly complex structures and lightweight designs. These components can either be manufactured in plastic for end use applications or in sand or polymers to create sand molds and patterns for sand and investment casting. 3D printing as a manufacturing technology is not limited by geometric restrictions due to the layer based manufacturing process. During printing, the particulate material selective bonds layer by layer in order to create the final part. In this way, only the material that is absolutely necessary to achieve the desired component properties is processed. With binder jetting 3D printing and the tool less production of sand molds and investment casting patterns, lightweight designs can be realized via metal casting as with any other 3D printing technology.

Paul-Lenz-Str. 1a
86316 Friedberg
Bavaria
Germany
www.voxeljet.com



Organisation type

Small or medium-sized enterprise

Sectors



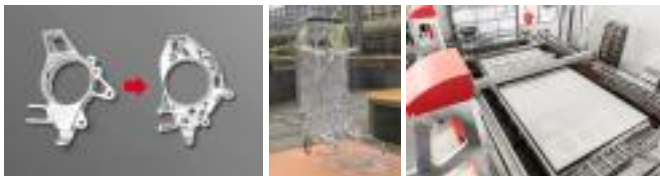
Employees

50 up to 249

Turnover

€10m - €50m

Funding



About this organisation

Main areas covered 3D printer, 3D printing systems, On-Demand 3D Printed Parts

Infrastructure

Certifications

Keywords

Memberships

Overview of lightweighting expertise

	Research	Development	Manufacturing & Supply
Offer			
Products Machines and plants, Systems and end products, Materials, Tools and moulds		✓	✓
Services & consulting Prototyping		✓	✓
Field of technology			
Design & layout Lightweight manufacturing, Lightweight design			✓
Functional integration			
Measuring and testing technology			
Modelling and simulation			
Plant construction & automation Plant construction			✓
Recycling technologies			

Overview of lightweighting expertise

	Research	Development	Manufacturing & Supply
Manufacturing process			
Additive manufacturing 3D printing	✓	✓	✓
Coating (surface engineering)			
Fibre composite technology			
Forming			
Joining			
Material property alteration			
Primary forming			
Processing and separating			
Textile technology			
Material			
Biogenic materials			
Cellular materials (foam materials)			
Composites			
Fibres			
Functional materials			
Metals Aluminium, Magnesium, Steel			✓
Plastics Elastomers, Thermoplastics		✓	✓
Structural ceramics			
(Technical) textiles			

Contacts

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Mr Frederik von Saldern

frederik.vonsaldern@voxeljet.de