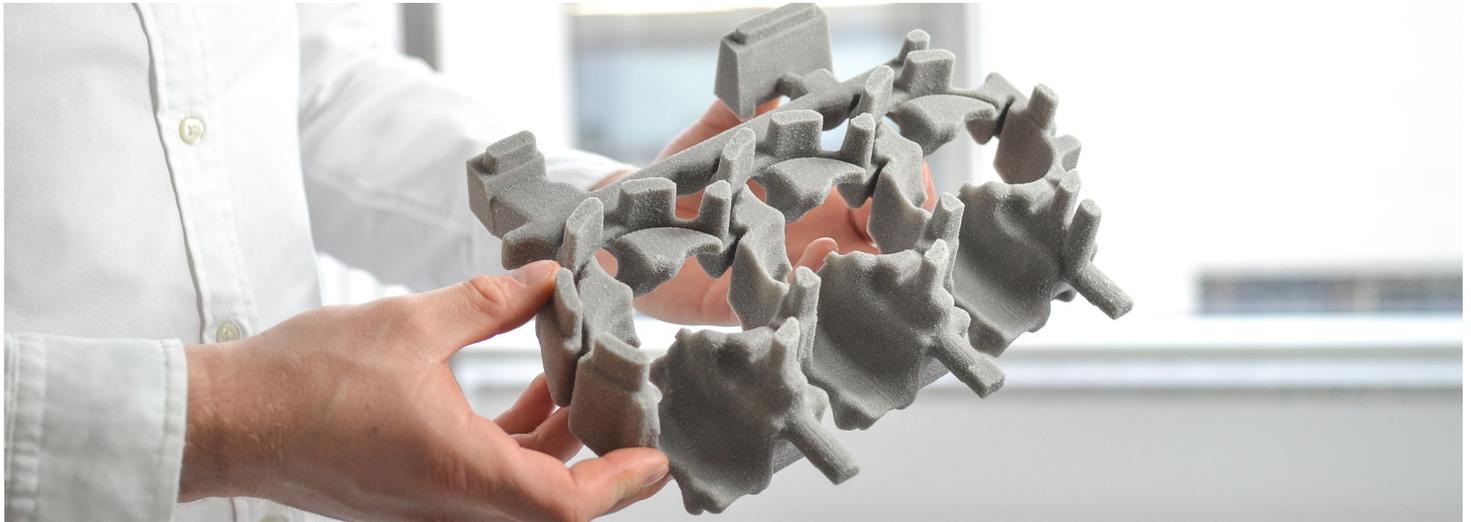


Inorganic-Direct-Binding

IOB



Material data

Material	Silica sand
Designation	GS 14
Medium grain size	130 µm
Applications	Gusskerne

Technical data

Build space up to	1,000 x 600 x 200 mm
Binder type	watertglass-based binder
Layer height	280 µm (standard)
Accuracy	+ 0,4 % (min. 280 µm Layer height)
Loss on ignition	residual moisture <0,3 %
Resolution x, y	300 dpi

Advantages of inorganics

- › Emission-free casting for improved environmental and working conditions
- › Large format 3D printing with dimensions of up to 1,000 x 600 x 500 mm (LxWxH)
- › Tool-free production from prototypes to medium batches
- › Ideal compatibility with aluminium alloys
- › Combinability with conventional sand and permanent molds
- › Complex geometries can also be produced without problems or tools

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VX1000-S IOB

Environmental friendliness and productivity are the focus of 3D printing with inorganic binders. Due to the waterglass-based binder, only water vapour is emitted during the casting process. Costly filter systems become obsolete and both environmental and working conditions are significantly improved. Unprinted sand can be recycled and reused.

In addition, a powerful print head technology enables a significantly increased building speed. Even complex geometries can thus be 3D printed economically and sustainably.

Technical data

dimensions

Dimensions LxWxH	2,800 x 2,400 x 2,300 mm
Installation space LxWxH	11,000 x 8,000 x 2,800 mm

process

Build space LxWxH	1,000 x 600 x 200 mm
Print resolution x, y	300 dpi



System features

- › Environmentally friendly binder system for low-emission light metal casting
- › High-performance print head technology reduces layer times and costs per part
- › Printhead resolution of up to 300 dpi
- › Box volume of 300 litres
- › Industrial 3D printing system for continuous operation
- › Comprehensively tested and qualified process parameters for inorganic molding sand systems
- › Automation of post-production processes
- › Allround solution for environmentally friendly casting production



Contact us now for your individual offer and optimize your production.

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