



cost efficient metal printing

ExAM 255





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The ExAM 255 is the world's first industrial 3D printer which uses the CEM process to produce metal parts. This is not its only unique selling point though.

It is the first multi-material 3D printer that is able to process injection molding pellets and thus offer you a wider choice of materials than any other competitor has to offer.

The ExAM 255 now offers the possibility to print products made of metals, ceramics, plastics and reinforced plastics by using standard injection molding pellets - without the need of expensive adaptations to the machine.

The printer comes with an automatic material handling system and can fill up to one liter of material into each extruder.

That corresponds to approximately 1.2 kg of ABS or up to 4.4 kg of stainless steel. The material hopper can be refilled during the printing process.

Exterior dimensions	1831 x 1051 x 745 mm
Weight	approx. 300 kg
Build speed	20 - 40 cm³/h
Build space	255 x 255 x 255 mm (10 x 10 x 10 inch)
Layer thicknesses	75 - 200µm
Material supply	via integrated material hopper
Levelling of the build tray	automatic (1 µm resolution in the Z-direction, 50 µm resolution in the XY-direction)
Heating of the build tray	up to 120 °C
Extruders	two CEM-E 1 extruders maximum temperature of 280 °C
Power supply	connected load: 2,4 kW 90 - 264 VAC 47 - 63 Hz
Repeatability	X-Y combined 50µm, Z 5µm