

Small Machine, Big Results

SLM[®] 125

Selective Laser Melting Machine



Technical Specifications

Build Envelope (L x W x H)	125 x 125 x 125 mm reduced by substrate plate thickness
Build Volume Reduction (L x W x H)	50 x 50 x 50 mm reduced by substrate plate thickness
3D Optics Configuration	Single (1x 400 W) IPG fiber laser
Real Build Rate	up to 25 cm ³ /h
Variable Layer Thickness	20 µm - 75 µm, more available on request
Minimum Feature Size	140 µm
Beam Focus Diameter	70 µm - 100 µm
Maximum Scan Speed	10 m/s
Average Inert Gas Consumption in Process	0.6 l/min (Argon)
Average Inert Gas Consumption in Purging	70 l/min (Argon)
E-Connection / Power Input	400 Volt 3NPE, 32 A, 50/60 Hz, 3 kW
Compressed Air Requirement	ISO 8573-1:2010 [1:4:1] 7 bar
Machine Dimensions (L x W x H)	1400 mm x 900 mm x 2460 mm

*depending on material and build part geometry

Build Chamber Sizes

