ADDITIVE MANUFACTURING

3D printer

SISMA
MySint 100



Specifications

Building volume	ø100x100 mm
Laser Source	Fiber Laser 200 W
Precision Optics	Quartz F-Theta Lens
Laser spot diameter	55 µm
Typical layer thickness (adjust.)	20-40 µm
Inert gas	Nitrogen, Argon
Inert gas supply	ø 6 mm / 2.5 ÷ 5 bar @ 35 L/min
Inert gas consumption	<0,3 L/min @ 0,5% O2
O_2 concentration	<100 ppm
Door	Glove Box
Filter unit	Removable
Power supply	220-240 V 1ph - 50/60 Hz
Max power absorbed	1,53 kW
Machine dimensions	1390x777x1600 mm (LxWxH)

Materials

Precious Metals	•
Bronze	•
Cobalt Chrome	•
Stainless Steel AISI 316 - 1,4404	•
Maraging Steel M300 - 1,2709	•
Nickel Alloys	•
Aluminium Alloys AlSi 12 - AlSi 10 Mg	•
Titanium Ti6Al-4V gr 5	•



MySint 100

- Simple and robust design
- High resolution
- Reduced gas consumption
- High flexibility