

Technical Specifications

Print Genius 250

DIMENSIONS (LxWxH)	3500 (L) - 1250 (W) - 2240 (H)
WEIGHT	2500 kg.
POWER SUPPLY	380 V / 50 Hz / 10 kW
LASER IR	Laser Yb (Itterbio) IR single mode
LASER POWER	2 x 500 W
LASER FOCUS DIAMETER	70 – 100 µm
BEAM WAVELENGTH	1060 - 1080 nm
BUILDING VOLUME	262 * 262 * 350 mm
BEAM DEFLECTION SPEED (DUAL SCANNER)	2 * 8 m/s
POSITIONING SPEED	10 m/s
BUILD RATE *	25 - 50 cm ³ /h
LAYER THICKNESS	0.02 mm - 0.1 mm
LAYER WIDTH	0.1 mm (single line width)
BUILDING PLATFORM Z-AXIS	Travel: 350 mm / Speed: max 6 mm/s / Res: 0.01 mm
HEATING PLATFORM	up to 200°C
MONITORING OF O₂ LEVEL	Below 100 ppm (0.01%)
PERMISSIBLE ROOM TEMPERATURES	15 - 30°C
GAS (Consumption - running / filling)	6 L/min (running)
SYSTEM FILL CONSUMPTION	20 L / min. (up to filling)
CAM SOFTWARE	Materialise Magics
CONTROL & OTHER SOFTWARE	Eplus control software (EPC)
INDUSTRIAL INTERFACES	Ethernet

*Dependent on process parameters and material used

- Size & Power
- Laser
- Machine and additive process details
- Peripheral & auxiliaries - Software