



Sinterit BIANCO2

Product specification - beta version



Compact SLS without material limitations

- Broad material compatibility
- More application flexibility
- Industrial performance in compact format
- Open system for innovation³
- A CO₂ laser-based system with an attached high-performance chiller

GENERAL

Technology	SLS - Selective Laser Sintering
Laser type	RF CO ₂ Laser source (sealed metal tube), 30W; $\lambda = 10.6 \mu\text{m}$ rated to > 20,000 hrs
Laser cooling	Required ¹
Laser scanner type	Galvo
Dimensions	650 x 594 x 1330 [mm] (25.6 x 23.4 x 52.4 [in])
Weight	150 [kg] (330.7 [lbs])

PRINT VOLUME

Max size of print diagonally	398 [mm] (15.7 [in])
Max print volume	PA: 130 x 180 x 330 [mm] (5.11 x 6.7 x 13.3 [in])

PRINTER PARAMETERS

Size of Print Bed	150 x 200 x 350 [mm] (5.9 x 7.9 x 13.8 [in])
Layer height Z	0.075 - 0.125 [mm] (0.003 - 0.005 [in])
Build Speed	up to 15 - 30 [mm/h] (0.59 - 1.18 [in/h])

PRINT FEATURES

Min. wall thickness	from 0.3 [mm] (0.012 [in])
Hole diameter	from 0.3 [mm] (0.012 [in])
Moving part clearance	from 0.2 [mm] (0.008 [in])



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SOFTWARE

Software ²	Sinterit Studio, SCode Analyzer ³
Supported file types	STL, 3MF, OBJ, 3DS, FBX, DAE
Output file types	*.scode, *.sspf, *.sspfz, *.txt
OS compatibility	Microsoft Windows 10 or higher

COMMUNICATION

LCD screen	9" interactive touchscreen
On-board camera	Built-in
Connectivity	WiFi / Ethernet / USB

HEATING SYSTEM

Independent	4 zones: print chamber, print surface, cylinder and piston - 19 independent heating elements
Max temperature in the chamber	210 [°C] / 410 [°F]

POWER

Operating voltage	230 [V] AC, 50/60 [Hz], 8 [A] or 100 - 120 [V] AC, 50/60 [Hz], 15 [A] (with converter)
Average power consumption	0.85 [kW]
Max power consumption	1.65 [kW]

PACKAGING

Size of package	650 x 750 x 1500 [mm] (25.6 x 29.5 x 59.1 [in])
Package weight	195 [kg] (430 [lbs])

1. A dedicated Laser Water Chiller is included in the set.
2. Technical requirements to install Sinterit Studio Software: Windows 10 or higher / Minimum 500 MB of disk space / Minimum 2 GB of RAM / Graphics adapter compatible with OpenGL 3.0 or higher.
3. The printer comes with the basic Sinterit Studio software. Advanced software packages with a lifetime licence (Studio Advanced, Sinterit Studio Ultimate, SCode Analyzer) are available at an additional cost.

The information given in this document is based on standard values and is intended for informational and comparison purposes only. The parameters provided in this data sheet are subject to change. The properties of the final components may vary due to the printed component's design and orientation.