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 innovation[3]
- A CO_2 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; λ = 10.6 [µm] 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])

BURTON PRECISION

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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])

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