Sinterit LISA PRO
Product specification

Benchtop SLS 3D printer

- bigger print volume
- built-in nitrogen chamber
- compatible with many materials
- a possibility of using 3rd party powders
- no calibration needed after delivery

GENERAL

Technology	SLS
Laser system	IR Laser Diode 5 [W] ; λ =808 [nm]
Dimensions	690 x 500 x 880 [mm] (27.1 x 19.7 x 34.6 [in])
Weight	90.0 [kg] (198 [lbs])

PRINT VOLUME

Max size of print diagonally[1]	PA - 301 [mm] (11.8 [in]) TPU / TPE - 313 [mm] (12.3 [in])
High accuracy max print volume	PA - 110 x 160 x 230 [mm] (4.3 x 6.3 x 9 [in]) TPU / TPE - 110 x 160 x 245 [mm] (4.3 x 6.3 x 9.6 [in])

PRINTER PARAMETERS

Size of Print Bed	150 x 200 x 260 [mm] (5.9 x 7.9 x 10.2 [in])
XY accuracy	from 0.05 [mm] (0.002 [in])
The layer height Z (min - max)	0.075 - 0.175 [mm] (0.003 - 0.007 [in])

PRINT FEATURES

Min. wall thickness	from 0.4 [mm] (0.015 [in])
Min. detail size	from 0.1 [mm] (0.004 [in])
Hole Diameter	from 0.5 [mm] (0.020 [in])
Moving Part Clearance	from 0.2 [mm] (0.008 [in])

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ADDITIONAL PRINTER FEATURES

Nitrogen chamber	Built-in
Coupling installed in Lisa Pro	Pneumatic quick-coupling Male Plug Nipple DN7.2
Average Nitrogen consumption	0.48 [m³ /hour]

SOFTWARE

Software²	Sinterit Studio 2019 Open
Supported file types	STL, OBJ, 3DS, FBX, DAE, 3MF
OS compatibility	Microsoft Windows

COMMUNICATION

LCD screen	Capacitive, color
Touchscreen	7 [in]
On-board camera	Built-in
Connectivity	Wifi, USB port

HEATING SYSTEM

Independent	Heated: piston, cylinder, Feed bed, Print bed
Max. temperature in the chamber	200 [°C] / 392 [°F]

POWER

Operating Voltage	220-240 [V] AC, 50/60 [Hz], 7 [A] or 100-130 [V] AC, 50/60 [Hz], 15 [A]
Average power consumption	1.1 [kW]
Maximum power consumption	1.9 [kW]

PACKAGING

For the transportation of a printer we use dedicated protective packaging. Ask for more information.

Size of package	725 x 635 x 1020 [mm] (28.5 x 25.0 x 40.2 [in])
Package weight	117 [kg] (257.9 [lbs])

WARRANTY

One year limited warranty

SOFTWARE VERSIONS

Supported materials	Sinterit Studio	Sinterit Studio OPEN	Sinterit Studio PROFILES	Sinterit Studio ADVANCED
PA12 Smooth	✔	✔	✔	✔
PA11 Onyx	✔	✔	✔	✔
Flexa Grey	✔	✔	✔	✔
Flexa Soft	-	-	✔	✔
Flexa Bright	-	-	✔	✔
TPE	-	-	✔	✔
Open Parameters	-	✔	-	✔

⁰ Max size of print diagonally depends on the type of material.
¹ Material refreshing ratio - percent of Fresh powder which has to be mixed with Used (unsintered) powder - to be reused to the next print.
² Technical requirements to install Sinterit Studio Software: Windows 7 or higher / Minimum 500 MB of disc space / Minimum 2 GB of RAM / Graphics adapter compatible with OpenGL 3.0 or higher.

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