



Sinterit Lisa PRO

Product specification



Professional SLS quality in an open, multi-material printer

- high quality of prints
- compatible with 9 different Sinterit SLS materials
- open environment - 32 printing parameters to be modified
- possibility of using 3rd party materials

GENERAL

Technology	SLS - Selective Laser Sintering
Laser type	IR Laser Diode, 5W; $\lambda = 808$ [nm] Rated to > 10,000 hrs
Laser scanner type	XY
Dimensions	690x500x880 [mm] (27.2x19.7x34.6 [in])
Weight	90.0 [kg] (198 [lbs])

PRINT VOLUME

Max size of print diagonally ¹	313 [mm] (12.3 [in])
Max print volume	PA - 110x160x230 [mm] (4.3x6.3x9.1 [in]) TPU based / Flexible materials - 110x160x245 [mm] (4.3x6.3x9.6 [in])

PRINTER PARAMETERS

Size of Print Bed	150x200x260 [mm] (5.9x7.9x10.2 [in])
Layer height Z (min - max)	0.075 - 0.175 [mm] (0.003 - 0.007 [in])
Build Speed	up to 3 [mm/h] (0.11 [in/h])

PRINT FEATURES

Min. wall thickness	from 0.4 [mm] (0.015 [in])
Hole diameter	from 0.5 [mm] (0.020 [in])
Moving part clearance	from 0.2 [mm] (0.008 [in])

Information provided within this document are typical values for reference and comparison only. Parameters presented in this data sheet are subject to change. Final part properties may vary based on printed part design and print orientation. Material during tests - parameters are subject to change.



ADDITIONAL PRINT FEATURES

Inert gas control system	built-in
Average inert gas consumption	0.48 [m ³ /h] = 8 [l/min.]

SOFTWARE

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

COMMUNICATION

LCD screen	7" interactive touchscreen
On-board camera	Built-in
Connectivity	WiFi / USB

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]
Max power consumption	1.9 [kW]

PACKAGING

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

Warranty period	One year limited
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SOFTWARE VERSIONS

Available:	Sinterit Studio	Sinterit Studio ADVANCED
Powder profiles	Pa12 Smooth, Onyx and Flexa Grey only	✓ All available
Possibility to use 3rd party materials	–	✓
Open Printing Parameters	–	✓

¹ Max size of print diagonally depends on the type of material.

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.

