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; λ = 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])

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ADDITIONAL PRINT FEATURES

Inert gas control system	built-in
Average inert gas consumption	0.48 [m3/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

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.

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