Sinterit Lisa X
Product specification

Lightning-fast printing with large working area

- fast printing
- a large working area
- access to the full range of materials
- open environment
- tiltable screen
- cargo-type pull-out transfer overflow bin

GENERAL

Technology	SLS - Selective Laser Sintering
Laser type	IR Fiber Coupled Diode Laser, 30W; λ = 976 ± 3 [nm] rated to > 30,000 hrs
Laser scanner type	Galvo
Dimensions	650x610x1200 [mm] (25.6x24.0x47.2 [in])
Weight	145 [kg] (319.7 [lbs])

PRINT VOLUME

Max size of print diagonally[1]	398 [mm] (15.7 [in])
Max print volume	TPU based / Flexible materials: 130x180x340 [mm] (5.1x7.1x13.3 [in]) PA / PP: 130x180x330 [mm] (5.1x6.7x13.3 [in])

PRINTER PARAMETERS

Size of Print Bed	150x200x350 [mm] (5.9x7.9x13.8 [in])
Layer height Z (min - max)	0.075 - 0.175 [mm] (0.003 - 0.006 [in])
Build Speed	up to 14 [mm/h] (0.55 [in/h])

PRINT FEATURES

Min. wall thickness	from 0.5 [mm] (0.020 [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

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

HEATING SYSTEM

Independent	4 modifiable zones: print chamber , print surface, cylinder and piston - 16 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]
Average power consumption	0.85 [kW]
Max power consumption	1.65 [kW]

PACKAGING

Size of package	650x750x1350 [mm] (25.6x29.5x53 [in])
Package weight	190 [kg] (418 [lbs])

WARRANTY

Warranty period	One year limited

SOFTWARE VERSIONS

Available:	Sinterit Studio	Sinterit Studio ADVANCED
Powder profiles	PA12 Smooth, 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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