



# 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; $\lambda = 976 \pm 3$ [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 <sup>1</sup>	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 - 0.125 [mm] (0.003 - 0.005 [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])

### ADDITIONAL PRINTER FEATURES

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

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.





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## SOFTWARE

Software <sup>2</sup>	Sinterit Studio
Supported file types	STL, 3MF, OBJ, 3DS, FBX, DAE
Output file types	*.scode, *.sspf, *.sspzf
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]
One-phase circuit protected by	B16 [A] fuse Residual current circuit breaker 30 [mA] Correctly functioning grounding system

## PACKAGING

Size of package	650 x750x1350 [mm] (25.6x29.5x53.0 [in])
Package weight	190 [kg] (330 [lbs])

## SOFTWARE VERSION

Available:	Sinterit Studio	Sinterit Studio ADVANCED
Powder profiles	PA12 Industrial 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.

