Sinterit LISA
Product specification

Desktop SLS 3D printer
- compact size
- cost effective
- small powder consumption
- easy operation and handling

GENERAL

Technology	SLS
Laser system	IR Laser Diode 5 [W] ; λ =808 [nm]
Dimensions	620 x 400 x 660 [mm] (24.4 x 15.8 x 26.0 [in])
Weight	44.0 [kg] (96.8 [lbs])

PRINT VOLUME

Max size of print diagonally[1]	PA - 234 [mm] (9.2 [in]) TPU / TPE - 242 [mm] (9.5 [in])
High accuracy max print volume	PA - 110 x 160 x 130 [mm] (4.3 x 6.3 x 5.1 [in]) TPU / TPE - 110 x 160 x 145 [mm] (4.3 x 6.3 x 5.7 [in])

PRINTER PARAMETERS

Size of Print Bed	150 x 200 x 150 [mm] (5.9 x 7.9 x 5.9 [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] (0.016 [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])

SOFTWARE

Software[2]	Sinterit Studio
Supported file types	STL, OBJ, 3DS, FBX, DAE, 3MF
OS compatibility	Microsoft Windows

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COMMUNICATION

LCD screen	Resistive, color
Touchscreen	4 [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	180 [°C] / 365 [°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	0.9 [kW]
Maximum power consumption	1.6 [kW]

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

Size of package	445 x 660 x 715 [mm] (17.5 x 26.0 x 28.1 [in])
Package weight	57 [kg] (125.7 [lbs])

SAFETY

Certificates	CE (class A) according to IEC 60825-1 Ed. 3 (2014) FCC (class A)
IEC protection class	Class 1
Laser product class	Class 1, invisible laser radiation

WARRANTY
One year limited warranty

SOFTWARE VERSIONS

Supported materials	Sinterit Studio	Sinterit Studio OPEN	Sinterit Studio PROFILES	Sinterit Studio ADVANCED
PA12 Smooth	✔	✔	✔	✔
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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