

SINTERIT

Comparison Tables for Products

	LISA 1	LISA 2
		
Sales Status	Available	September 2018
Technology	SLS 3D printer	
Nitrogen chamber	-	Built-in
Laser system	IR Laser Diode 5 [W]; $\lambda = 808$ [nm]	
Power supply	220-240 [V] AC, 50/60 [Hz], 7 [A] or 100-130 [V] AC, 50/60 [Hz], 15 [A]	
Average consumption	0,9 [kW]	1 [kW]
Printer dimensions	620 x 400 x 660 [mm] (24.4 x 15.8 x 26.0 [in])	690 x 500 x 880 [mm] (27.1 x 19.7 x 34.6 [in])
Printer weight	41,0 [kg] (90.4 [lbs])	90,0 [kg] (198 [lbs])
PRINT VOLUME		
Size of Print Bed	150 x 200 x 150 mm (5.9 x 7.9 x 5.9 [in])	150 x 200 x 260 mm (5.9 x 7.9 x 9.8 [in])
Max size of print diagonally ⁰	227 [mm] (8.9 [in])	316 [mm] (12.4 [in])
Flexa - high accuracy max print volume	110 x 130 x 150 [mm] (4.3 x 5.1 x 5.9 [in])	110 x 160 x 250 mm (4.3 x 6.2 x 9.1 [in])
PA - high accuracy max print volume	90 x 110 x 130 [mm] (3.5 x 4.3 x 5.1 [in])	90 x 120 x 230 [mm] (3.5 x 4.7 x 9 [in])
PRINTER PARAMETERS		
Max temp. open parameters	180 [°C] (356 [°F])	200 [°C] (392 [°F])
XY accuracy	from 0,05 [mm] (0.002 [in])	
Layer thickness	0,075 - 0,175 [mm] (0.003 - 0.007 [in])	
PRINT FEATURE		
Min. wall thickness	0,4 [mm] (0.015 [in])	
Min. detail size	0,1 [mm] (0.003 [in])	
Hole Diameter	0,5 [mm] (0.019 [in])	
Moving Part Clearance	0,2 [mm] (0.007 [in])	
MATERIALS		

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PA11	-	In progress
PA12	✓	✓
Flexa Black (TPU)	✓	✓
Flexa Grey (TPU)	✓	✓
Other materials in progress	-	✓
Materials for NITROGEN use	-	In progress
Open materials	-	✓
UX		
Software ²	Sinterit Studio	Sinterit Studio 2018
Touchscreen	4 [in]	7 [in]
LCD screen	Resistive, color	Capacitive, color
Camera	Built-in	
Connectivity	Wi-Fi, USB port	
PRICING		
Price ³	5990 EUR	11990 EUR
Lisa package contains	LISA 1 printer + Set of Accessories + Manual	LISA 2 printer + Set of Accessories + Manual
Lisa SET Price ³	7990 EUR	13990 EUR
Lisa SET package contains	LISA 1 printer + Set of Accessories + Manual + Powder PA12 (2 kg Print Ready + 4 kg Fresh)	LISA 2 printer + Set of Accessories + Manual + Powder PA12 (2 kg Print Ready + 4 kg Fresh)

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.

³ Prices concern EU. For other countries different prices may apply.

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