



DESKTOP LASER SINTERING 3D PRINTER
AVAILABLE AND EASY-TO-USE



Sinterit LISA system

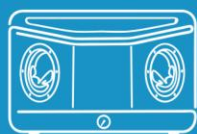
Elements that will facilitate your printing experience



Sinterit LISA



Sieve



Sandblaster



4 kg of printing powder



Dedicated software



Set of necessary printing accessories

End-to-end solution delivering high precision SLS parts



The Sinterit LISA **package** (Lisa, Sandblaster, Sieve) contains a **complete system** providing **everything you need** to start your own printing adventure.

POWDER SIEVE is a machine dedicated to sieve used powder.

LISA - world's first desktop laser sintering 3D printer for printing prototypes and functional parts. A revolutionary device which unique feature is substantial lowering of the cost and decreasing the size of industrial SLS type of machine.

Used in post-processing, **SANDBLASTER*** cleans the print's surface created during the printing process.

Buy on-line

* Does not include an air compressor.
Recommended compressor output 290 l / min.

Sinterit LISA gives you freedom of form

Our unique laser sintering 3D printer opens **new possibilities** for your company. Use the laser to selectively melt polymer powder into three-dimensional objects like **professional SLS printers** do. With LISA you can print **sophisticated**, precise and durable objects in an **affordable** and **easy way** without need for support structure.

If you need precise and strong model choose **PA12 SMOOTH** material- it is created for durable and detailed objects.



Use our rubber-like **FLEXA BLACK** material to print your flexible models.




Sinterit LISA can print **complex**, fully movable and multiple parts. Things are designed to work from the **first second**.





Get 70% of your used powder back!



The sieve device completes the product range, providing a truly **automated system** from start to finish by automating the process of sieving the powder, **saving your time** and making the entire process cleaner.

Sieve cleans the powder for you, after which the material is **ready** to be mixed with fresh powder and re-used to print more incredible objects.

Be cost efficient!

Re-use the powder residue multiple times



Sinterit LISA offers simplicity and best print quality versus cost*

*Comparison based on 3D printers from the same price segment and their prints properties

	Sinterit LISA (SLS)	SLA	FDM
No need for support	✓	—	—
Freedom of form	██████████	██████████	██████████
Multiple parts printing at once	✓	—	—
Feature details	██████████	██████████	██████████
Printing materials	Powders	Liquids	Filaments
Temperature resistance	██████████	██████████	██████████
Durability	██████████	██████████	██████████
Printing of moving parts	✓	—	—

Printer parameters

Build volume	150 × 200 × 150 mm (5.9 × 7.9 × 5.9 in)
Max size of high precision print for PA12 SMOOTH	90 × 110 × 130 mm (3.5 × 4.3 × 5.1 in)
Max size of high precision print for FLEXA BLACK	110 × 130 × 150 mm (4.3 × 5.1 × 5.9 in)
Layer thickness	0,075 - 0,175 mm (0.003 - 0.007 in)
Laser diode	5W IR type
Device dimensions	620 × 400 × 660 mm (24.4 × 15.8 × 26 in)
Weight	41 kg (90.4 lbs)
Power supply	One phase, recommended AC outlet power 1,6 kW, voltage 110/120 V or 220/230 V
Warranty	12 months

Independent heating system

✓ Heated piston
✓ Heated cylinder
✓ Heated feed bed
✓ Heated print bed - max temperature 190°C / 374°F

Software

Sinterit STUDIO 2016	
WiFi communication	
Built-in camera	
4" touch screen	
Supported file types	STL, OBJ, 3DS, FBX, DAE, 3MF



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LISA SLS PRINTER - product's specification



GENERAL INFORMATION	
Status	Available
Category	Desktop
Technology	SLS
Warranty	12 months
HARDWARE	
Dimensions	650 x 550 x 450 mm (25.6 x 21.6 x 17.7 in)
Weight	35 kg (77 lbs)
Power supply	One phase, recommended AC outlet power 1,5 kW Voltage 110/120 V or 220/230 V
MATERIAL	
Powder PA12	Rigid, durable, temperature resistant, chemical resistant
Powder FLEXA BLACK	Elastic

PRINTER PARAMETERS	
Laser diode	5W IR type
Max. build volume	150 x 200 x 150 mm (5,9 x 7,9 x 5,9 in)
Max size of high precision print	PA12 - 90 x 110 x 130 mm (3,5 x 4,3 x 5,1 in)
	FLEXA BLACK - 110 x 130 x 150 mm (4,3 x 5,1 x 5,9 in)
XY accuracy	0,1 mm
Min. Layer thickness	0,075 (3,0 mils)
Min. wall thickness	0,4 mm
INDEPENDENT HEATING SYSTEM	
Heated piston	yes
Heated cylinder	yes
Heated feed bad	yes
Heated print bad	yes
Max. temperature in the chamber	Max temperature 190C / 374 F
SOFTWARE	
Software	Sinterit Studio 2016
Supported file types	STL, OBJ, 3DS, FBX, DAE, 3MF
OS compatibility	Microsoft Windows
CONNECTIVITY	
USB stick	yes
Wifi	yes
COMMUNICATION	
LCD screen	yes
Touchscreen	4"
On-board camera	yes

PROPERTIES OF PRINTS	
Support structures	no needed
Freedom of form	high
Moving parts	yes
Multiple parts printing at once	yes
Feature details	high
Temperature resistance	high
Durability	high
Lightweight	yes
PACKAGING	
Size of package	600 x 800 x 1050 mm (23,6 x 31,4 x 41,3 in)
Package weight	65 kg (143 lbs)
Package contains	LISA printer + Set of Accessories
SAFETY	
Certificates	CE, FCC