



LISA X

3D printer

Top performance & build volume in an open, multi-material printer

- Large build volume
- Industrial speed and quality
- Compact dimensions
- Open material system (50 - 210°)
- Easy material change

Printing area	130 x 180 x 330 mm 5.1 x 7.1 x 13.0 in
Dimensions	605 x 540 x 1300 mm 23.8 x 21.3 x 51.2 in

16 990 €



LISA PRO

3D printer

Professional SLS quality in an open, multi-material printer

- High quality of prints
- Compatible with 8 different Sinterit SLS materials
- Open system - 32 printing parameters to be modified
- Possibility of using 3rd party materials
- Easy to change material

Printing area	110 x 160 x 245 mm 4.3 x 6.3 x 9.6 in
Dimensions	690 x 500 x 880 mm 27.2 x 19.7 x 34.6 in

11 990 €



LISA

3D printer

The most compact professional SLS quality

- Professional SLS print quality
- Cost-effective
- Small amount of powder needed
- Office-size
- Easy to use
- Short cooling time

Printing area	110 x 160 x 145 mm 4.3 x 6.3 x 5.7 in
Dimensions	620 x 400 x 660 mm 24.4 x 15.7 x 26.0 in

7 990 €



LISA X



We have kept main Sinterit features



Legendary printout quality

- Smooth surface
- Ultra high precision
- Dimensional accuracy



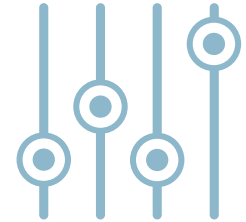
SLS benefits

- No support structures
- Complex geometry
- Movable parts



Wide material range

- Stiff
- Highly durable
- Elastic
- Temperature resistant



Open environment

- **Over 50 parameters to control**
- Own material profiles
- Even more 3rd party materials

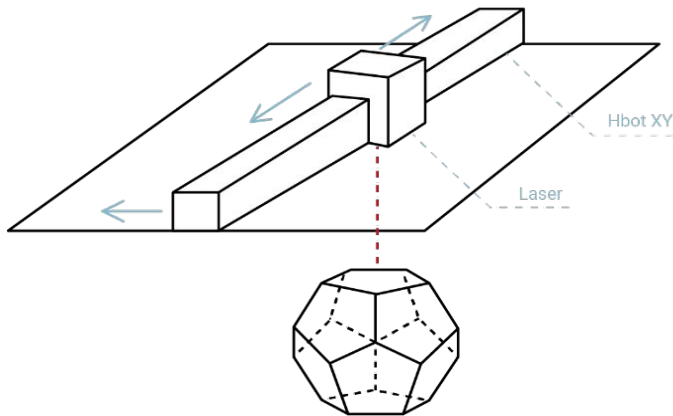


Construction differences

Similar construction but essential changes in case of **build volume and speed**.

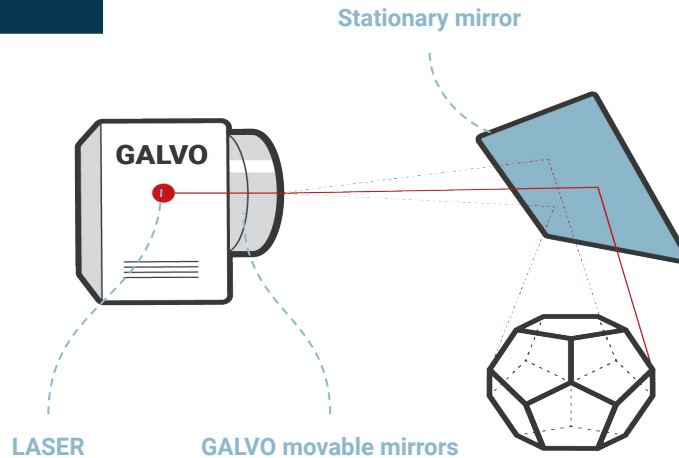
XY system

Lisa
LISA PRO



Galvo laser

Lisa X
NILS



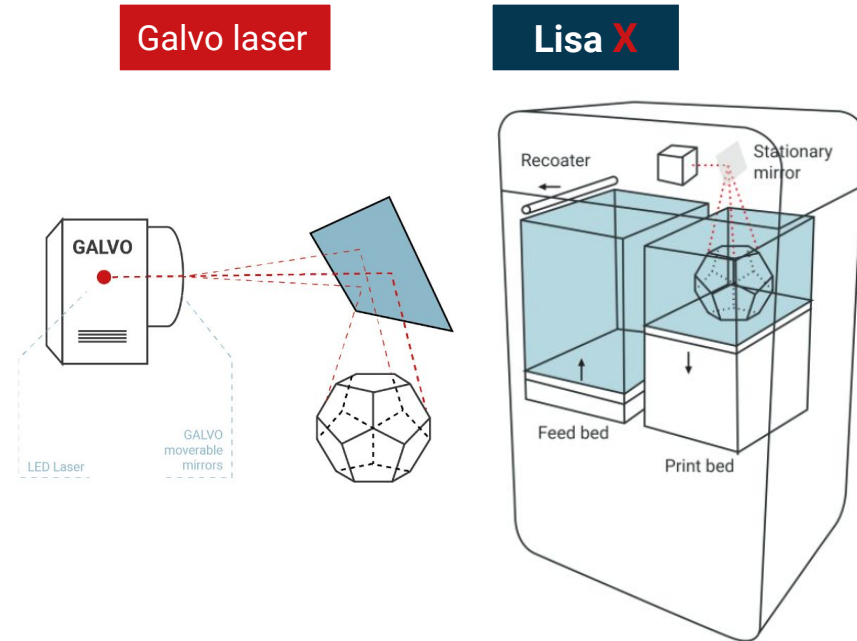


Lisa X - bigger build volume than Lisa PRO and **industrial laser**.

Lisa X - 3rd generation of reliability

Simple construction + 6 years of experience -> **reliable Lisa X**

Reliable Lisa X -> **efficient processes and peace of mind for users**



Technical data



Lisa X printer

Build Volume	(W x D x H) mm	130 x 180 x 330
	(W x D x H) in	5.1 x 7.1 x 13.0
Max print size diagonally	mm	398
Max print size diagonally	in	15.7
Layer Thickness (Axis Resolution)	mm	0.075 - 0.175
	in	0.003 - 0.006
Build Speed	mm/h	10-14
	in/h	0.39-0.55
Laser Type	-	IR 30 W
Laser Spot Size	microns / in	650 / 0.0256
Print Preparation	Software	Sinterit Studio
Communication	-	Wi-Fi / Ethernet / USB
Inert gas control system		yes
Control Panel	"	9" interactive touchscreen
Printer Dimensions	(W x D x H) mm	650 x 610 x 1200
	(W x D x H) in	25.6 x 24.0 x 47.2
Weight	kg	145
	lb	330

PRINTING



SUMMARY:

LISA X

- 9 materials (2 now, 7+ in 2022)
- 13 x 18 x 33 cm = 7,2 litres
- ultra fast SLS
- open system:
open build + *open* parameters (50!)
- nitrogen chamber
- available NOW, delivery in Jan/Feb 2022
- price: €16.990 solo or €29.990 in a full set



| The Lisa X - the best value for money in a compact SLS printer

- Revolutionary speed in the compact SLS segment
- Bigger size to make more projects
- Easy operation for users
- Optimal costs thanks to faster printing and bigger size
- 50 open parameters to test more print features
- SLS benefits: no supports, complex geometries, movable parts
- 9 materials to use for different applications (now: PA12, Flexa Grey) and many more external materials

All of this available from **16 990 €**



Full comparison of the compact series: Specifications

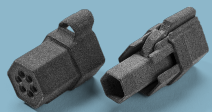


PARAMETER	Lisa	Lisa PRO	Lisa X
Build Volume	110 x 160 x 155 mm 4.3 x 6.3 x 6.1 in	110 x 160 x 245 mm 4.3 x 6.3 x 9.6 in	130 x 180 x 330 mm 5.1 x 7.1 x 13.0 in
Max. print diagonal	248 mm 9.8 in	313mm 12.3 in	398 mm 15.7 in
Build Speed	3 mm/h	3 mm/h	10-14 mm/h
Laser Type	IR 5 W	IR 5 W	IR 30 W
Wavelength	808 nm	808 nm	976 nm
Layer thickness	0.075 - 0.175 mm 0.003 - 0.006 in	0.075 - 0.175 mm 0.003 - 0.006 in	0.075 - 0.175 mm 0.003 - 0.006 in
Scanning type	XY	XY	Galvo
Laser Spot Size	400µm 0.0157 in	400µm 0.0157 in	650µm 0.0256 in
Full bed/week	3	2	5
Feed bed capacity	2.7 l	4.3 l	7,2 l
Inert gas control system	no	✓	✓
Printer Dimensions	620 x 400 x 660 mm 24.4 x 15.8 x 26.0 in	690 x 500 x 880 mm 27 x 20 x 35 in	650 x 610 x 1200 mm 25.6 x 24.0 x 47.2 in
Weight	44.0 kg 96.8 lbs	90 kg 198 lbs	145 kg 330 lbs
Communication	WiFi / Ethernet / USB	WiFi / Ethernet / USB	WiFi / Ethernet / USB
Screen	4" interactive touchscreen	7" interactive touchscreen	9" interactive touchscreen
Software	Sinterit Studio	Sinterit Studio	Sinterit Studio
Windows	10 and later	10 and later	10 and later
File formats	STL, OBJ, 3DS, FBX, DAE, 3MF	STL, OBJ, 3DS, FBX, DAE, 3MF	STL, OBJ, 3DS, FBX, DAE, 3MF

Extra comparison: Lisa X vs. NILS 480 Specification



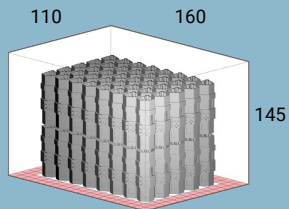
PARAMETER	Lisa X	NILS 480
Build Volume	130 x 180 x 330 mm 5.1 x 7.1 x 13.0 in	200 x 200 x 330 mm 7.9 x 7.9 x 13.0 in
Max. print diagonal	398 mm 15.7 in	435 mm 17.1 in
Build Speed	10-14 mm/h	10-14 mm/h
Laser Type	IR 30 W	IR 30 W
Wavelength	976	976
Layer thickness	0.075 - 0.175 mm 0.003 - 0.006 in	0.075 - 0.175 mm 0.003 - 0.006 in
Laser Spot Size	650 µm 0.0256 in	560 µm 0.0220 in
Full bed/week	5	7
Inert gas control system	✓	✓
Automatic Powder Distribution System (APDS)	-	✓
Continuous Printing System (CPS)	-	✓
Printer Dimensions	650 x 610 x 1200 mm 25.6 x 24.0 x 47.2 in	1200 x 1200 x 1750mm 31.5 x 47 x 69 in
Weight	145 kg 330 lbs	300 kg 660 lbs
Communication	WiFi / Ethernet / USB	WiFi / Ethernet / USB
Screen	9" interactive touchscreen	15,6" interactive touchscreen
Software	Sinterit Studio	Sinterit Studio 2
Windows	10 and later	10 and later
File formats	STL, OBJ, 3DS, FBX, DAE, 3MF.	STL, OBJ, 3DS, FBX, DAE, 3MF.



Model: Connector

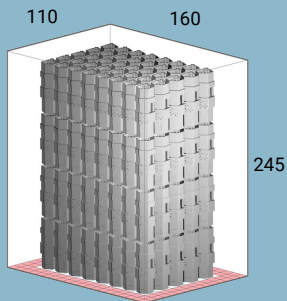
Dimensions: 22.5 x 18 x 37 mm

Material: PA12*



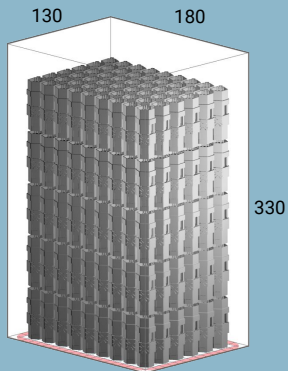
- 56 sets
- 112 parts
- 103 hrs

LISA



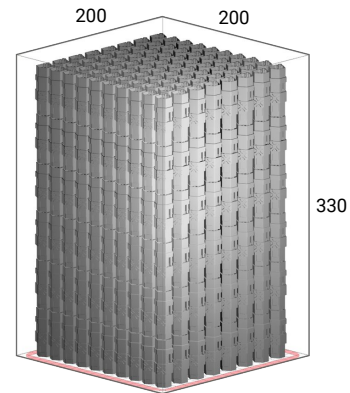
- 112 sets
- 224 parts
- 205 hrs

LISA **PRO**



- 270 sets
- 540 parts
- 28 hrs

LISA



- 480 sets
- 960 parts
- 30 hrs

NILS **480**

* other materials (Flexa Grey, etc.) will have other printing times



| Sinterit printers: different applications

	COMPACT series			INDUSTRIAL
	SLS 3D printer LISA	SLS 3D printer LISA PRO	SLS 3D printer LISA X	SLS 3D printer NILS 480
Print volume required	✓ Small parts < 245 mm	✓ Small parts < 310 mm	✓✓ Large parts < 406 mm	✓✓✓ Large parts < 435 mm
Mid and High series production	-	-	✓✓	✓✓✓
End use parts / toolings	✓	✓✓	✓✓✓	✓✓✓
Prototyping	✓	✓✓	✓✓✓	✓✓✓
Advanced R&D	✓	✓✓✓	✓✓✓	✓✓✓
Education	✓✓✓	✓✓✓	✓✓	✓✓