3D SYSTEMS
Additive Manufacturing Solutions

SLS 300

Advanced SLS technology in a user-friendly format

Ideal for offices, material research labs or workshops, the SLS 300 offers advanced SLS technology in an office-friendly, plug-and play format. This means that you can print SLS quality functional prototypes, tools and more without the need for specialized staff, investments in infrastructure and complex powder handling. Thanks to the cloud-based software, you can manage your print jobs from anywhere and anytime.

Solutions overview

WATER JET CABINET

Developed for finishing prints using water. Tap water is pumped into a pressurized jet sprayed from a nozzle attached to a pistol grip which removes powder from the print.

SLS 300

The SLS 300 uses Selective Laser Sintering technology for functional prototyping and low-volume production of end-use parts.

ATMOSPHERE GENERATOR

A device that provides improved control of build chamber conditions in the printer for increased part density, surface finish, and mechanical performance.

POWDER VACUUM

The powder vacuum is used to extract parts and collect excess powder from the build chamber after a finished print job in the SLS 300 3D printer.

POWDER PACKAGE

Sealed powder packages and a unique refill interface minimizes contact with the material when loading it into the SLS 300.

DEEP SPACE

Deep Space is a cloud-based software suite used for preparing and monitoring print jobs as well as managing an organization's fleet of SLS 300 3D printers.

SLS 300 Solution specifications

SLS 300 3D PRINTER	
Dimensions (WxDxH)	75 x 65 x 170 cm (30 x 25 x 67 in)
Weight	310 kg (683 lb)
Power consumption	400 W (printing) 2000 W (warm-up)
Electrical Requirements	1 x 230 V, AC 10 A, 50 Hz (EU) 1 x 115 V, AC 15 A, 60 Hz (US)
Laser Power Type	50 W, CO_2
Max Build Volume	30 x 30 x 30 cm (12 x 12 x12 in)
Printing speed	12 mm (0.47 in) per hour / 1 liter per hour
Printer controls	13.3" display with touch screen
Network	Ethernet, 1 Gigabit RJ 45
Printer controls	13.3" display with touch screen

ATMOSPHERE GENERATOR	
Dimensions (WxDxH)	83 x 41 x 77 cm (33 x 16 x 30 in)
Weight	90 kg (198 lb)
Electrical Requirements	1 x 230 V, AC 3 A, 50 Hz (EU) 1 x 115 V, AC 6 A, 60 Hz (US)

POWDER PACKAGE	
Dimensions	10 x 10 x 54 cm (4 x 4 x 21 in)
Weight	2.5 kg (5.5 lbs) including material
Storage temperature	25 °C ± 10 °C
Reusable	Yes
Packaging material	Cardboard, paper and wood
Locking mechanism	Sealed lid with patented refill interface

WATER JET CABINET	
Dimensions (WxDxH)	When closed: 75 x 66 x 170 cm (30 x 26 x 67 in) When open: 75 x 66 x 225 cm (30 x 26 x 89 in)
Dimensions (WxDxH)	75 x 66 x 222,5 cm (30 x 25 x 88 in)
Weight	170 kg (375 lb)
Power consumption	1400 W
Electrical Requirements	1 x 230 V, AC 10 A, 50 Hz (EU) 1 x 115 V, AC 15 A, 60 Hz (US)
Water pressure	50-100 bar
Compressed air	Recommended working pressure 4-6 bar Maximum pressure 8 bar

POWDER VACUUM	
Dimensions (WxDxH)	68 x 110 x 40 cm (27 x 43 x 16 in)
Weight	30 kg (66 lb)
Electrical Requirements	1 x 230 V, 5 A, 50-60 Hz
Motor output	1,2 kW
Max theoretical airflow	200 m^3/h

DEEP SPACE SOFTWARE	
System requirements	Google Chrome 93 and up | WebGL 2.0 |4GB RAM (8GB recommended)
Hardware requirements	SLS 300 3D printer
File types	.STL, .STEP, or .3MF

3D SYSTEMS
Additive Manufacturing Solutions