

# 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 system specifications

SLS 300 3D PRINTER	
<b>Dimensions (WxDxH)</b>	75 x 65 x 170 cm (30 x 25 x 67 in)
<b>Weight</b>	310 kg (683 lb)
<b>Power consumption</b>	400 W (printing) 2000 W (warm-up)
<b>Electrical Requirements</b>	1 x 230 V, AC 10 A, 50 Hz (EU) 1 x 115 V, AC 15 A, 60 Hz (US)
<b>Laser Power Type</b>	50 W, CO <sub>2</sub>
<b>Max Build Volume</b>	30 x 30 x 30 cm (12 x 12 x 12 in)
<b>Printing speed</b>	12 mm (0.47 in) per hour / 1 liter per hour
<b>Printer controls</b>	13.3" display with touch screen
<b>Network</b>	Ethernet, 1 Gigabit RJ 45
<b>Printer controls</b>	13.3" display with touch screen

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

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

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

POWDER VACUUM	
<b>Dimensions (WxDxH)</b>	62 x 80 x 132 cm (24 x 31 x 52 in)
<b>Weight</b>	31 kg (68 lb)
<b>Electrical Requirements</b>	1 x 230 V, 16 A, 50 Hz
<b>Motor output</b>	800 W
<b>Max theoretical airflow</b>	160 m <sup>3</sup> /h

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