PANACEA

formlabs AUTHORIZED PARTNER | ARK EMPOWERING LIVES



Fast
Most prints in less than 2 hours

Versatile
Advanced materials for any application

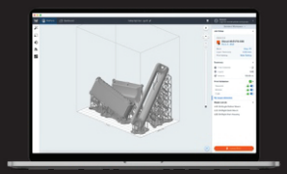
Intuitive
Learn in 15 minutes

Reliable
Unmatched print success rate

Accurate
Rivals injection molded parts

Make Anything with Formlabs 3D Printers

Desktop 3D printers that can handle any challenge. Formlabs SLA Printers are trusted by tens of thousands of professionals around the world.



1. Prepare

Go from CAD to printing in minutes with just a few clicks using our free PreForm software.



2. Print

Monitor your prints and manage your printers from anywhere with an integrated camera.



3. Post-Process

Easy, effective post-processing in just fifteen minutes.



4. Finish

Use finished parts as they are or opt to sand, paint, coat, or electroplate them.

Rapid Prototyping

Turn your ideas into high-fidelity prototypes that look and work like final products within a day and bring better products to market faster.



TECH SPECS

	FORM 4	FORM 4L
Technology	Low Force Display™ (LFD)	
Build volume (W x D x H)	20.0 × 12.5 × 21.0 cm | 7.9 × 4.9 × 8.3 in	35.3 × 19.6 × 35.0 cm | 13.9 x 7.7 x 13.8 in
Layer thickness (Z resolution)	25 - 300 microns	25–200 µm | 0.001–0.008 in
XY resolution	50 microns	46 microns
Maximum print speed	100 mm/h	80 mm/h
Printer weight	18.3 kg | 40.4 lb	58.5 kg | 129 lb
Printer dimensions	39.8 × 36.7 × 55.4 cm | 15.7 × 14.5 × 21.9 in	66.4 x 52.8 x 79.4 cm | 26.1 x 20.8 x 31.3 in
File types accepted	STL, OBJ, 3MF	

	FORM 4B	FORM 4BL
Technology	Low Force Display™ (LFD)	
Build volume (W x D x H)	20.0 × 12.5 × 21.0 cm | 7.9 × 4.9 × 8.3 in	35.3 × 19.6 × 35.0 cm | 13.9 x 7.7 x 13.8 in
Layer thickness (Z resolution)	25 - 300 microns	25–200 µm | 0.001–0.008 in
XY resolution	50 microns	46 microns
Maximum print speed	100 mm/h	80 mm/h
Printer weight	18.3 kg | 40.4 lb	58.5 kg | 129 lb
Printer dimensions	39.8 × 36.7 × 55.4 cm | 15.7 × 14.5 × 21.9 in	66.4 x 52.8 x 79.4 cm | 26.1 x 20.8 x 31.3 in
File types accepted	STL, OBJ, 3MF	
	Biocompatible version	Large Biocompatible version



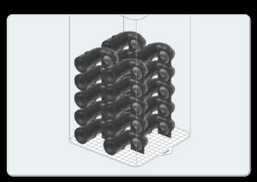
The Fuse 1+ 30W SLS Ecosystem

High Performance Selective Laser Sintering Within Reach

From Design to Finished Part

An Innovative Ecosystem For A Streamlined And Intuitive Workflow

1 **PreForm**

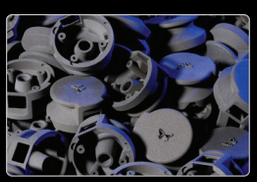


Efficient Print Packing for Optimal Part Density

Use our free print preparation software, PreForm, to import STL, OBJ, or 3MF files, orient models, estimate print times, and pack parts for optimized density, reducing print time and limiting waste.

2 **Fuse 1+ 30W**

6-24 hours



Fast and Reliable Printing

Easily set up your printer and achieve fast printing thanks to the 30W laser. Print same-day prototypes and enable small series manufacturing of durable end-use parts in under 24 hours.

3 **Dashboard**



Remote Monitoring for Peace of Mind

Take control of your production across multiple locations and machines. View printer availability, manage materials, track jobs, and receive notifications all in one cloud-based Dashboard to minimize downtime and maximize output.

4 **Fuse Sift**

5-10 minutes



Convenient, Compact Powder Management

Our all-in-one powder management station combines part extraction, powder recovery, storage, and mixing in a single device. Fuse Sift will dispense and mix used and new powder automatically so you can reduce waste and control your powder supply.

5 **Fuse Blast**

10-60 Minutes



Fully Automated Part Cleaning and Polishing

Fuse Blast is an advanced automated finishing solution for SLS parts that quickly removes powder and consistently delivers professional parts that are clean to the touch. Deliver a smooth, semi-gloss, and dye-ready surface finish with the drop-in Blast Polishing System upgrade.

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Fuse 1+ 30W

Designed for maximum output and minimum waste, Fuse 1+ 30W is a compact SLS 3D printer that packs an industrial punch.

SAME-DAY PARTS

Unlock rapid in-house 3D printing and deliver high-precision parts within a day thanks to a powerful 30W laser.

SLS 3D PRINTING MADE EASY

Easy-to-use hardware and software are designed to get you up and running quickly and maximize your efficiency at every step of the process.

INDUSTRIAL-GRADE MATERIALS

Produce durable parts that can withstand heavy use with industry-standard materials that benefit from fine-tuned settings and inert gas printing capabilities.

COMPACT AND SCALABLE

A compact footprint and modular ecosystem make the Fuse 1+ 30W suitable for any environment.

Tech Specs: **Fuse 1+ 30W**

Technology	Selective laser sintering (SLS) Class 1 Laser Product
Build Volume	165 x 165 x 300 mm 6.5 x 6.5 x 11.8 in
Layer Thickness	110 microns 0.004 in
Laser Type	Ytterbium Fiber 30W
Laser Spot Size	247 microns (0.0079 in)
Material Refresh Rate	20% – 50%
Build Chamber	Modular, compatible with Fuse 1+ 30W, Fuse 1 and Fuse Sift
Print Support Structures	No supports necessary

Printer Dimensions (W × D × H)	64.5 × 68.5 × 107 cm (165.5 cm with stand) 25.4 × 27.0 × 42.0 in (65.0 in with optional stand)
Weight	114 kg (without build chamber or powder) 251.3 lb (without build chamber or powder)
Power Requirements	EU: 230 VAC, 7.5 A (dedicated circuit) US: 120 VAC, 15 A (dedicated circuit)
Warranty and Service	One Year Warranty included. Extended Warranty, Standard Service Plan and Premium Service Plan available.
Software Compatibility	Windows 7 and up // Mac OSX 10.6.8 and up
File Type	STL, OBJ, or 3MF files

300,000,000+ Parts Printed With Formlabs Technology

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