WATCH THE VIDEO

goengineer

BLAZING SPEED MEETS INDUSTRIAL PRODUCTION

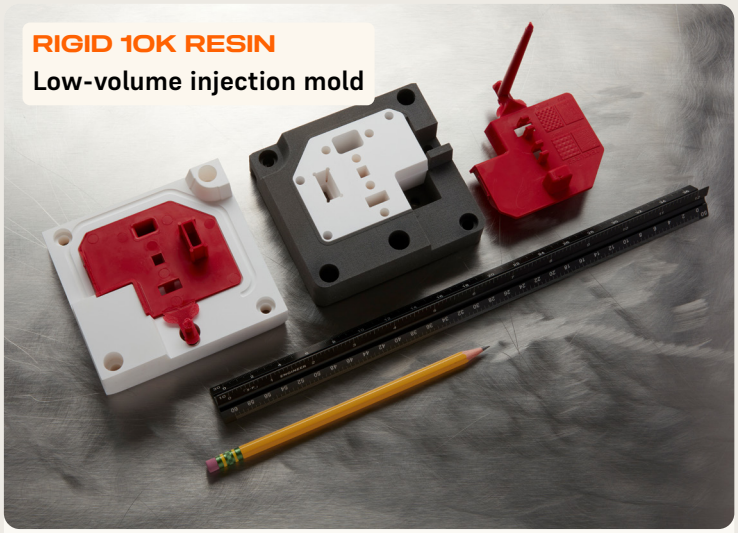
formlabs

FORM 4 + FORM 4L SLA ECOSYSTEM

www.goengineer.com

HARDWARE OVERVIEW

The #1 SLA 3D Printing Platform for Professionals

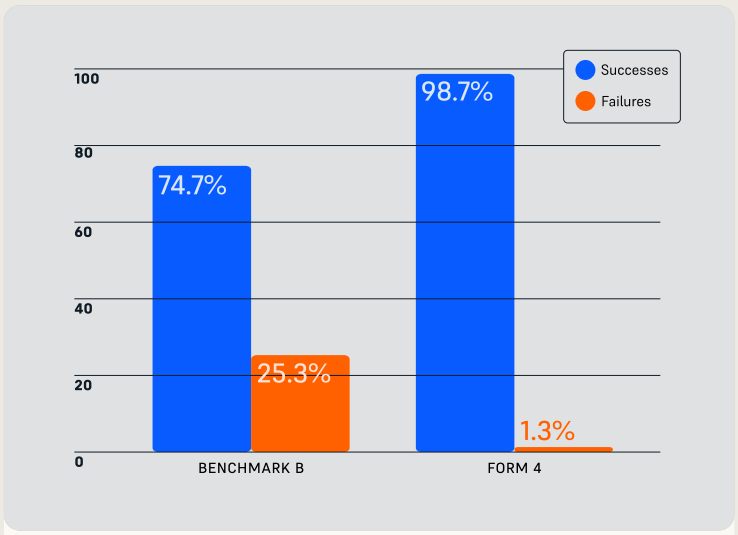


Blazing Fast

- Most prints in under 2 hours on Form 4
- Large prints in under 6 hours on Form 4L
- Print multiple parts in one job without extending print time

Industry-Leading Materials

- 20+ industry-leading materials for prototyping to end-use part production
- Glass-filled and ABS, PP, and HDPE-like Engineering Resins, Investment Casting Resins, specialty materials like true silicone and technical ceramic, and more.
- Print any 405 nm photopolymer resin using customizable print settings with Open Material Mode



Stunning Parts That Always Fit

- ±0.15% XY dimensional tolerances, so assemblies always fit
- Smooth surfaces and sharp details that rival injection-molded parts
- Lower peel forces, light touch supports, highly collimated light, and 46/50 µm pixel size with pre-tuned anti-aliasing

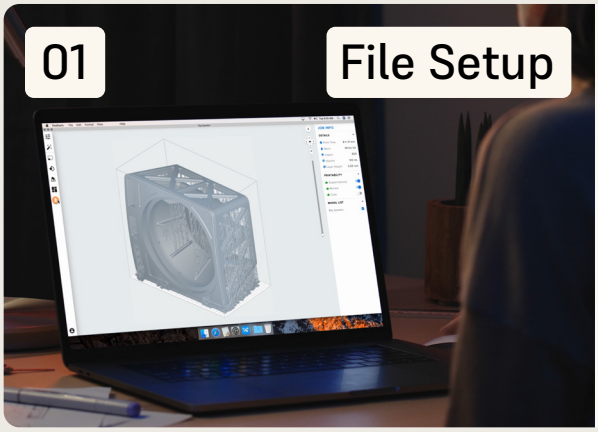
Unmatched Reliability

- Form 4 measured to have a 98.7% print success rate by an independent global leader in product testing
- Validated print settings for all materials, six intelligent control systems, and remote monitoring
- Long-lasting consumables and robust hardware engineered for years of use

PRINT PROCESS

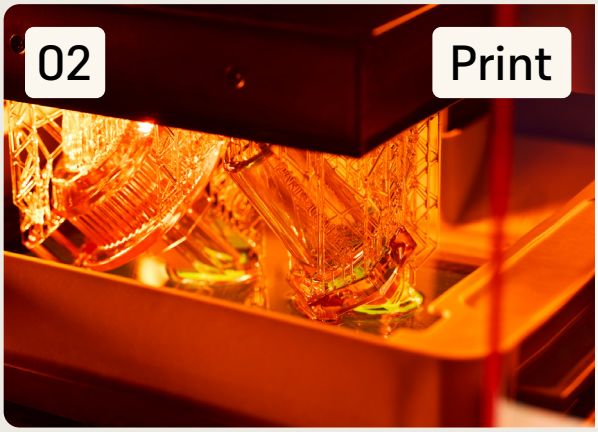
So Intuitive That Anyone Can Learn to Print in 15 Minutes

Create High-Quality Parts With an End-To-End 3D-Printing Ecosystem



Import your model and prepare your print in PreForm with one click

- Automatically orient, support, and layout in One-Click Setup
- Validated, editable material print settings
- Live printability checks for optimal print success



Upload your print file, load a material, and click print

- Printer touchscreen guides the setup process
- Mess-free, interchangeable cartridges and tanks
- Automatic resin dispensing and an optional Resin Pumping System to improve efficiency with less frequent cartridge changes

Full printer control with online print tracking

- Manage multiple printers, users, or locations remotely
- Monitor print progress and add prints to the queue
- Track consumables and print statistics

Automate cleaning with Form Wash and Form Wash L

- Hands-free operation streamlines post-processing straight from the build platform
- Thorough washing removes excess resin for a flawless surface finish in just 10 minutes
- Easily remove parts with the quick-release Flex Build Platform

Post-cure most parts in 60 seconds with Form Cure and Form Cure L

- Achieve peak mechanical performance with precise heat and light exposure
- Post-cure General Purpose Resins in just 60 seconds or engineering resins in less than 15 minutes
- Pre-programmed cure profiles for all Formlabs resins for consistent, validated results

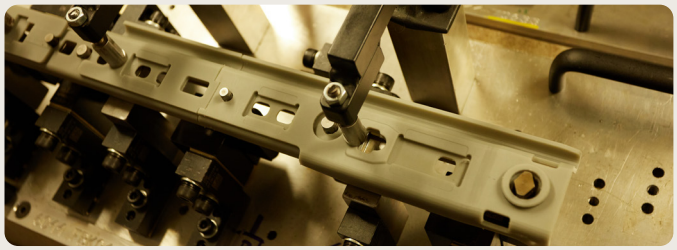
Tech Specs

	FORM 4	FORM 4L
Technology	Low Force Display™ (LFD)	
Build volume (W x D x H)	20 x 12.5 x 21 cm | 7.9 x 4.9 x 8.3 in	35.3 x 19.6 x 35 cm | 13.9 x 7.7 x 13.8 in
Layer thickness (Z resolution)	25-200 µm | 0.001-0.008 in	25-200 µm | 0.001-0.008 in
XY resolution	50 µm	46 µm
Average print speed (100 µm layer height)	40 mm/h	24 mm/h
Maximum print speed	100 mm/h	80 mm/h
Printer weight	18.3 kg | 40.4 lb	58.5 kg | 129 lb
Printer dimensions (W x D x H)	39.8 x 36.7 x 55.4 cm | 15.7 x 14.5 x 21.9 in	66.4 x 52.8 x 79.4 cm | 26.1 x 20.8 x 31.3 in

Rearview Mirror Assembly
CLEAR RESIN

"Working with Form 4, **it's really a game-changer.** The speed of the printer will change our workflow. **We can deliver more parts, the throughput is higher.** We are much more flexible if we have short-term requests. Now we can do these using Form 4."

Sandro Piroddi, *Supervisor of the Rapid Technology Center at Ford*



Welding Fit Fixture
FAST MODEL RESIN

"The new Formlabs 4L allows us to print large parts fast. For example, **we use Form 4L to print setup parts for our weld cell in just hours instead of overnight.** This allows the Brose welding experts to program the robot prior to the metal stamping components arriving. With the new Fast Model Resin, **we receive the detail required and the rigidity needed in a faster time than ever before."**

Matthias Schulz, *Manager, Seat Prototyping, Brose North America*

Cover Part
TOUGH 2000 RESIN

"When we upgraded to Form 4, it truly was like **a step change in the technology.** All of a sudden, this process that was really intriguing from a quality standpoint and a dimensional accuracy standpoint is now lightning fast. So now **we're combining ease of use with efficiency, accuracy, and reliability."**

Cameron Peahl, *Global Industry 4.0 Additive Manufacturing Strategy Manager*

Fork Guard
TOUGH 1500 RESIN

"3D printing provides instant access to functional prototypes. Our products need to withstand harsh off-road conditions, **being able to iterate based on real-world testing — within days rather than weeks — is invaluable."**

Jon Howard, *Co-Founder and Operations, Sirris*

formlabs AUTHORIZED PARTNER

goengineer