The Next Generation of Medical 3D Printing

Powered by Low Force Stereolithography™

formlabs
PLATINUM PARTNER

formlabs | medical

ADDITIVE X

additive-x.com
team@additive-x.com
01765 694 007

Form 3B+
Rapid, flawless prints, everytime

The Form 3B+ utilizes innovative hardware and software improvements to deliver even faster print speeds, improved consistency, and better part quality. Optimized for functional, biocompatible, and sterilizable materials, the Form 3B+ brings digital fabrication in-house, minimizing cost and time to enable more nimble product development and more personalized care from R&D through production of end-use parts.

TRULY RAPID PRODUCTION

Quickly go from design to finished part with the Form 3B+ thanks to its streamlined, end-to-end workflow. The powerful, high-intensity laser and precisely tuned settings for every material enable fast printing.

CONSISTENT, HIGH-QUALITY PARTS

The Form 3B+ refines Formlabs' patented LFS technology to consistently deliver presentation-ready parts with crisp, accurate features and production-like finish.

COMMITTED TO CLINICAL INNOVATION

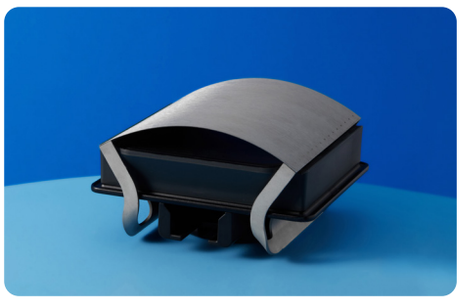
Our technology has been validated in FDA-cleared workflows and we develop and manufacture our own biocompatible, sterilizable, medical materials in an FDA-registered, ISO 13485 certified facility.

QUALITY AND REGULATORY SUPPORT

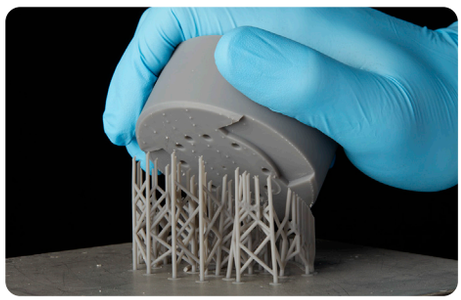
In partnership with Greenlight Guru, we are here to assist with your regulatory needs. Formlabs was the first-ever 3D printing company granted an EUA from the FDA and our technology has been validated in multiple 510(k)s.

Improved Post-processing

New innovations eliminate the risk of damaging your parts with tools while allowing you to reduce labor and increase throughput.



Build Platform 2 and our patented **Quick Release Technology** releases parts from the print surface instantly.



Enhanced light touch support structures detach from the part in seconds.

Form 3BL
Big Parts, Big Throughput

A large format 3D printer compact enough for the office and robust enough for the factory floor. Take control of large-scale part production, increase your throughput, and bring your biggest ideas to life with the Form 3L, a cost-effective large format 3D printer that doesn't compromise on the details.

STOP OUTSOURCING LARGE-SCALE PRINTS

Work faster with a large format 3D printer that's versatile enough to bring large scale fabrication in-house.

PERFECTIONISM THAT SCALES

Two precision Light Processing Units inside the printer achieve consistent accuracy and detail across the entire build platform.

SCALE UP YOUR IN-HOUSE PRODUCTION

With its large build volume and high-performance materials, the Form 3BL allows you to produce small batches of market-ready, high-quality parts.

POST-PROCESSING, SIMPLIFIED

Streamline your workflow and consistently produce clean, high-quality, accurate parts with our automated, large format post-processing machines, Form Wash L and Form Cure L.

One Platform, 30+ Materials

Be ready for whatever comes in the door, with a wide variety of biocompatible and engineering materials.

FEATURED MATERIALS

BioMed Resins

for Biocompatible and Sterilizable Applications

Flexible & Elastic Resins

for Flexible Prints Similar to Silicone, Urethane & Rubber

Tough 1500 Resin

for Stiff, Pliable Parts with Biocompatible Certification

Standard Resins

for High-Detail Models with Clear and Opaque Options

Draft Resin

for Rapid Turnarounds with the Fastest Print Speeds

Rigid 10K Resin

for Dense, Rigid Models with Bone-Like Quality

"Before DJO Surgical brought the Formlabs printer onboard, we relied almost exclusively on outside vendors for prototypes. Turnaround time was typically quick, but the cost was prohibitive. Today, we are running six Formlabs machines, and the impact has been profound. Our rate of prototyping has quadrupled, cost has been reduced 60%, and the level of print detail allows for clear communication of designs with orthopedic surgeons. We have also been able to reduce the cost of some production fixture applications by 80%. No other print technology we evaluated combined reliability, cost effectiveness and quality in the same way. Formlabs has changed how we work."

Alex Drew, Senior Engineer

Advanced Technologies Department, DJO Surgical

Powered by Low Force Stereolithography (LFS)™

LFS technology uses linear illumination and a flexible tank to turn liquid resin into flawless prints. This advanced form of stereolithography drastically reduces peel forces to provide groundbreaking print quality and printer reliability.

Tech Specs

	Form 3B+	Form 3BL
TECHNOLOGY	**Low Force Stereolithography (LFS)™**	
BUILD VOLUME (W x D x H)	14.5 × 14.5 × 18.5 cm 5.7 × 5.7 × 7.3 in	33.5 × 20 × 30 cm 13.2 × 7.9 × 11.8 i
XY RESOLUTION	25 microns (0.001 in)	
LAYER SPOT SIZE	85 microns (0.0033 in)	
LASER POWER	1x 250 mW laser	2x 250 mW laser
LAYER THICKNESS	25 - 300 microns (0.001 - 0.012 in)	
MATERIALS	Biocompatible, Engineering, and More	
PRINTER DIMENSIONS	40.5 × 37.5 × 53 cm 15.9 × 14.8 × 20.9 in	77 × 52 × 74 cm 30.3 × 20.5 × 29.1 in
SUPPORTS	Auto-Generated, Light-Touch Removal	Auto-Generated, Easy Removal
FILE TYPE	STL or OBJ	

formlabs
AUTHORIZED PARTNER