



FORM 3B+ & FORM 3BL

The Trusted 3D Printers for Hands-On Healthcare

Formlabs is a market-leading 3D printing company, proven in clinical literature and trusted by thousands of hospitals, surgical centers, simulation labs, and medical device manufacturers around the world.

formlabs  | medical

Trusted Solutions at the Point of Care

Our 3D printing ecosystem enables enhanced surgical planning and implant sizing, which have been proven in literature to reduce OR times, infection rates, readmission rates, and blood loss while improving OR team communication, patient consent, and operational efficiency.

Rely on Formlabs for segmentation software, segmentation-as-a-service, and 3D printers. For details on the process below, please visit:



STEP 1

Scan the patient's anatomy

Collect unique patient data via CT or MRI scan, depending on the anatomy, to obtain a DICOM file.

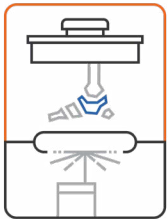


STEP 2

Segment the digital image

Convert your scan data into a printable model by either:

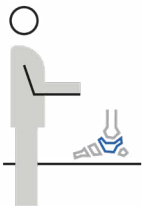
1. uploading DICOM to our secure portal for segmentation as a service, or
2. using our desktop segmentation software.



STEP 3

Print your model

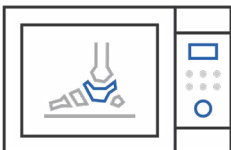
Upload your STL or OBJ file to our free print preparation software, PreForm, and send it to either your Form 3B+ or 3BL printer depending on the size of the anatomy.



STEP 4

Post-processing

Stereolithography 3D printing requires rinsing, post-curing, and support removal. We've simplified every step of the process, with light-touch supports and our automated post-processing system, Form Wash and Form Cure.



STEP 5

Sterilize for use (if applicable)

Many Formlabs materials are biocompatible and sterilizable using equipment available in SPD/CSSD. Sterilize your printed part for intraoperative uses, such as implant sizing.



FORM 3B+

Faster Printing for Fast-Paced Healthcare

The Form 3B+ utilizes innovative hardware and software improvements to deliver faster print speeds while maintaining consistent, high-quality printing that Formlabs is known for. Optimized for functional, biocompatible, and sterilizable materials, the Form 3B+ promises same-day printing of patient specific parts at the point of care and enables nimble, impactful R&D and low-volume commercial production in-house.

FORM 3BL

Large Format 3D Printer for Human-Scale Models

3D print patient anatomy at scale with the Form 3BL, a large format medical 3D printer optimized for healthcare. Print an average adult male pelvis, skull, and femur in a single print on the Form 3BL. Pair with the large-format Form Wash L and Form Cure L for a complete end-to-end 3D printing workflow.

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.

NONSTOP PRINTING

Formlabs 3D printers constantly monitor print performance so you can focus on creative solutions. Many components can be replaced in-house, reducing the need for replacement printer shipments.

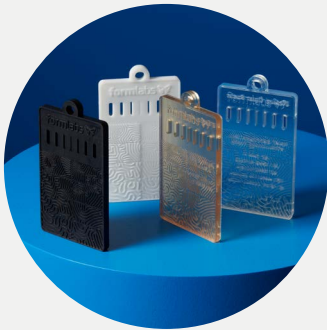
SCALES WITH YOU

Start with one 3D printer or many, and add capacity as demand grows or needs change. Get helpful, personal service when you need it from a Formlabs expert with our Medical Service Plan. Our Factory Solutions team can support your lab as demand grows

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, Translucent 3D Printed Anatomy



Tough 1500 Resin

for Stiff, Pliable Parts with Biocompatible Certification



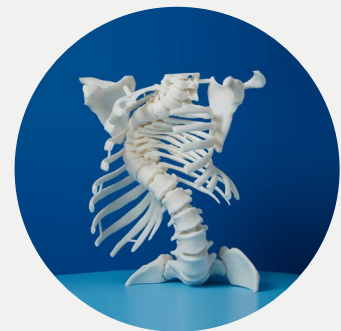
Standard Resins

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

“Formlabs tools are game changing. My Formlabs printer is my first line when I want a rapid, high resolution print. It is in every sense my right-hand printer and resides in my office. The interface allows individuals in my lab to quickly become comfortable with operations and the versatility of the material choices has allowed for tremendous innovation for our group.”

David Zopf, MD, MS

Assistant Professor, Department of Otolaryngology-Head and Neck Surgery, Michigan Medicine



ONE ECOSYSTEM. MANY APPLICATIONS

Formlabs 3D printing enables on-demand, customized care through more effective workflows, patient-matched surgical tools, and visual aids for diagnosis and education, so the clinical innovators can provide quick solutions to even the most unconventional problems.

SIMULATION + VISUALIZATION

To learn more about printing multi-color models and parts for patient consent or preoperative planning, visit:



CLINICAL + FINANCIAL IMPACT

Complex scoliosis and spinal sarcoma models used in preoperative planning by surgeons in the US and abroad.

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	