ADDITIVE

PROFESSIONAL RESIN PRINTING FOR ANYONE

formlabs

FORM STUDIO 1



Blazing Fast
/ PRINT MOST PARTS IN UNDER 2 HOURS

Safe
/ LOW-ODOR, RIGOROUSLY TESTED, UL GREENGUARD GOLD CERTIFIED

Amazing Parts
/ RAZOR-SHARP DETAILS AND PREMIUM MATERIALS

Reliable
/ 98% PRINT SUCCESS

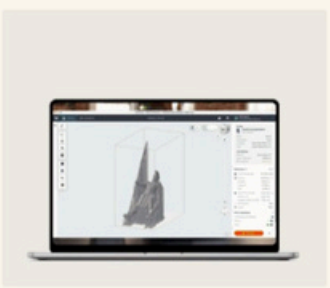
Open
/ PRINT WITH ANY RESIN

Learn to print in 10 minutes.



01 CHOOSE A MATERIAL

Choose from one of the industry-leading validated Formlabs materials or print in any third-party resin.



02 PREPARE

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



03 PRINT

Queue jobs, track print progress, give feedback, and start prints remotely using the free Dashboard software or the Form Mobile App.



04 POST-PROCESS

Finish your prints in one place. Easy, effective post-processing with quick-release Build Platform Flex and the all-in-one Form Studio Wash+Cure.

ADDITIVE X



Get started with Alpha Resins.

PRINT SHARP DETAILS IN ALPHA MODEL RESIN

A deep, fully matte, neutral surface that captures every detail, down to the smallest crevice and texture, and paints beautifully.

PRINT FAST IN ALPHA FAST RESIN

Prototype and iterate faster with print speeds up to 130mm/hr, for components in minutes or entire build volumes in less than 2 hours.

DO MORE

Stunning, precise parts with engineering-grade performance across Alpha Black, Alpha White, Alpha Grey, and Alpha Clear Resin.

Office, Home, Studio, Workshop...

A resin printer that's safe to use *wherever* you work.



LOW VOC EMISSIONS

Printing with Alpha Resins are UL GREENGUARD Gold* certified, an independent standard certifying low VOC emis-sions for homes, offices, schools, and other indoor environments.

**when printed on Form Studio 1 using VOC Extractor*

SKIN-SAFE PARTS

Alpha Resins are certified to ISO 10993 for long-term (>30 days) skin contact when printed on Form Studio 1 and post-processed per Formlabs guidelines. Printed parts are non-cytotoxic, non-irritating, and non-sensitizing.

MINIMIZE RISKS

Liquid resin scored as non-skin irritant according to OECD 439, a standard commonly used in cosmetics industry, to minimize the risks from incidental skin contact with resin.



TECH SPECS

FORM STUDIO 1

SCAN TO SHOP FORM STUDIO 1 AT ADDITIVE-X

formlabs AUTHORIZED PARTNER

TECHNOLOGY	Masked Stereolithography (MSLA)
BUILD VOLUME (L x W x H)	20.0 x 12.5 x 23.5 cm | 7.9 x 4.9 x 9.3 in
LAYER THICKNESS (Z resolution)	25–250 µm | 0.001–0.010 in
XY RESOLUTION	35µm
AVERAGE PRINT SPEED (100 µm layer height)	40 mm/hr
MAXIMUM PRINT SPEED	130 mm/hr
RESIN TANKS LIFETIME	75,000 layers with Formlabs materials
PRINTER WEIGHT	14.3 kg | 31.5 lb
PRINTER DIMENSIONS (L x W x H)	34.2 x 31.5 x 50.2 cm | 13.5 x 12.4 x 19.8 in
WARRANTY AND SERVICE	One-year warranty included Paid service and extended warranty options available
SOFTWARE COMPATIBILITY	Mac OS X 10.12 and up // Windows 10, 64-bit (version 1809) and up
FILES ACCEPTED	Mesh files (STL, OBJ, 3MF) STEP files (STEP, STP, STPZ) SOLIDWORKS files (SLDPRT, SLDASM) PTC Creo files (PRT, ASM) Jupiter Tessellation files (JT) CATIA V5 files (CATPart, CATProduct)