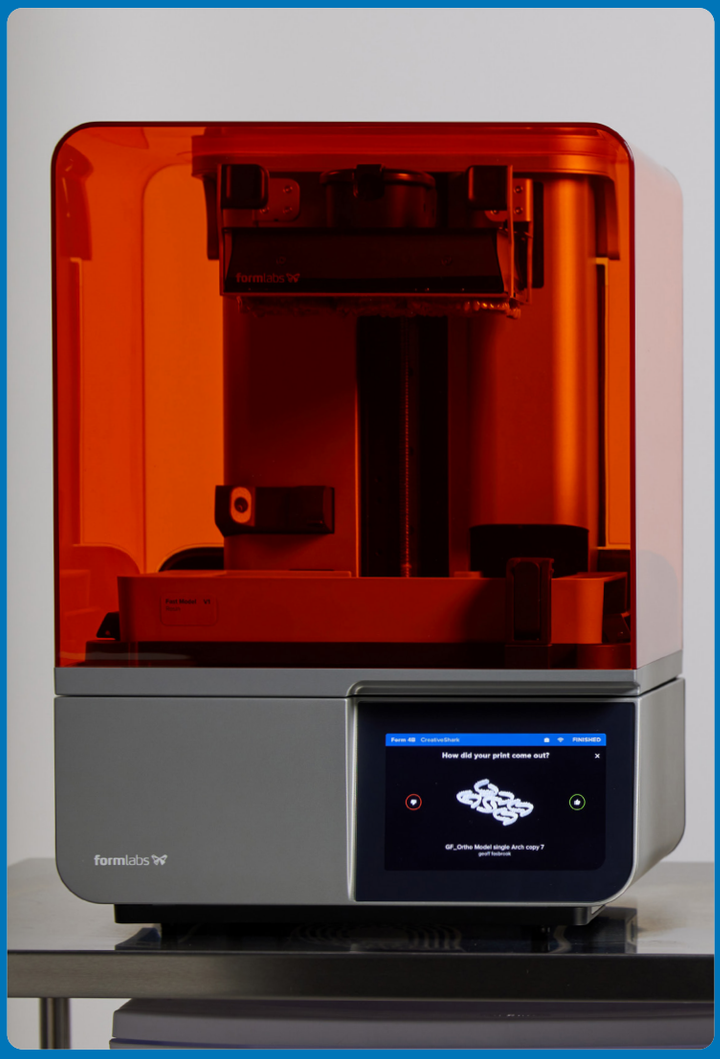
formlabs | dental

RELENTLESSLY RELIABLE, OPEN DENTAL 3D PRINTING SOLUTIONS WITH THE BEST RETURN ON INVESTMENT.

TRUSTED BY LABS, LOVED BY DENTISTS





dental.formlabs.com

FORMLABS DENTAL ECOSYSTEM

WATCH THE VIDEO



FORM 4B

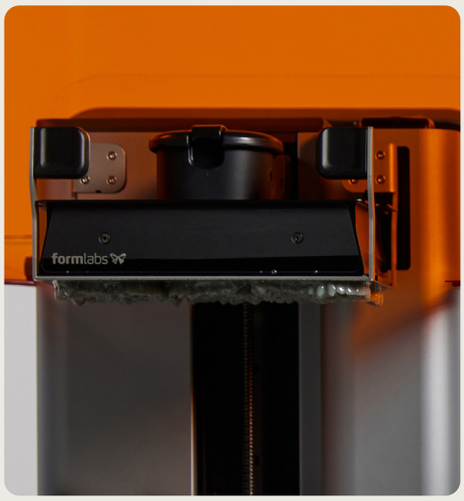
Open System. Proven Reliability.

FORM WASH

Effortless, Mess-Free Cleaning for Perfect Parts

FORM CURE

Precise Curing in Record Time With Validated Settings



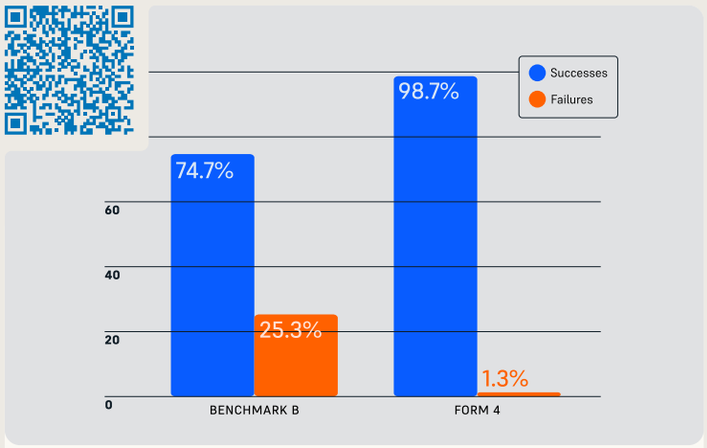






Open System

Freedom to print your preferred third-party materials. Print settings for 50+ materials are already validated by third-party resin manufacturers, with more coming.



Proven Reliability

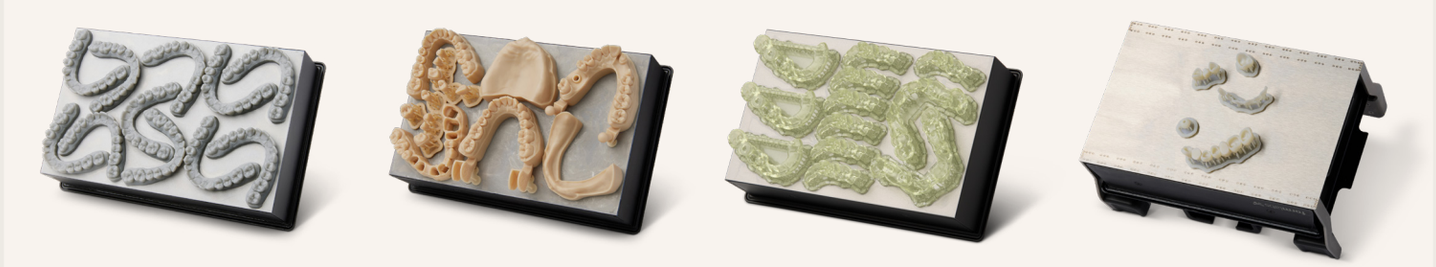
Form 4B has a 98%+ print success rate. Save time, resources, and costs with dependable production when you need it.

9 min
160 µm

1 h 50 min
50 µm

49 min
100 µm

37 min
100 µm



Blazing Fast

Produce same-visit aligners and biocompatible appliances and restorations within an hour.

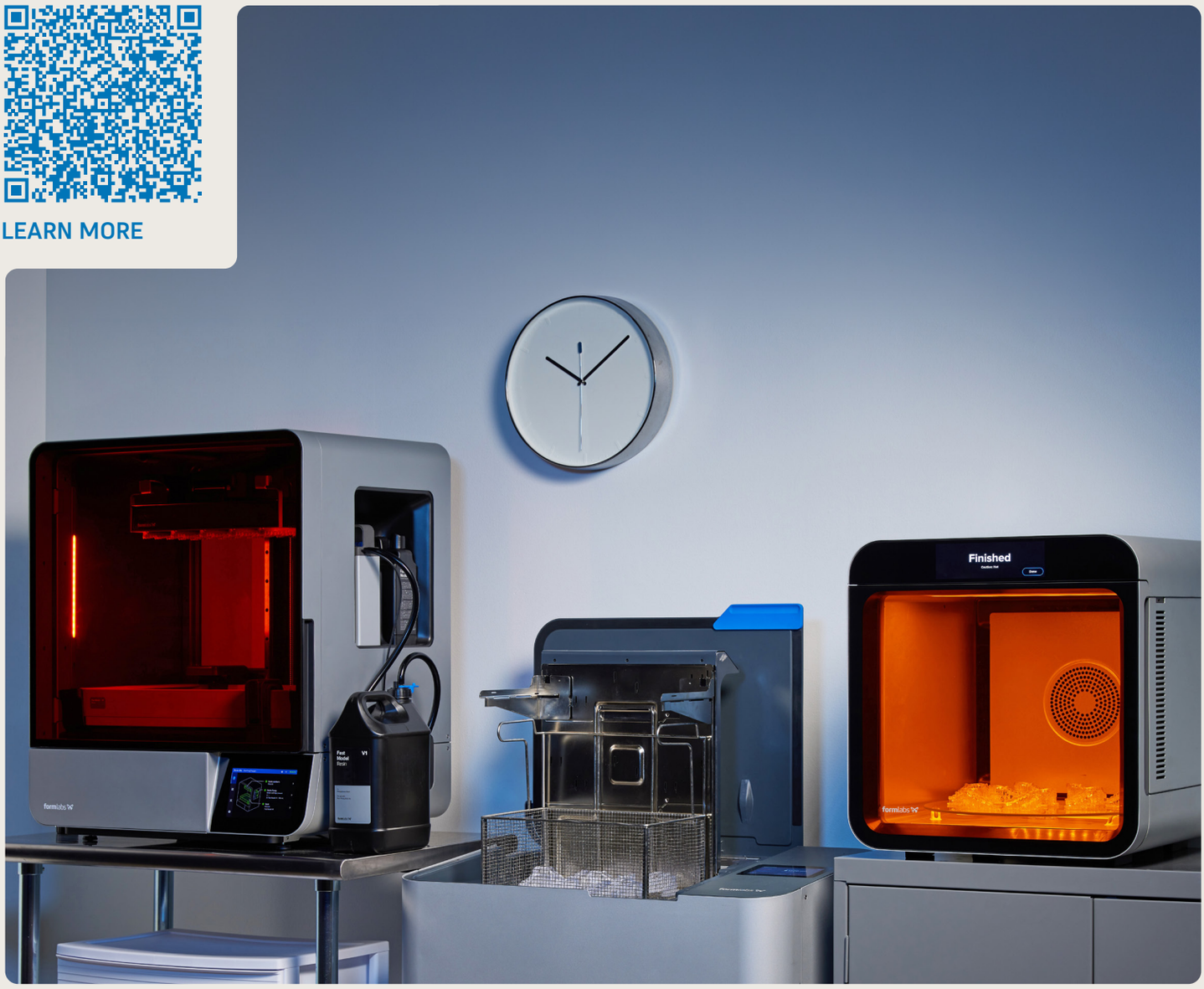


Absurdly Intuitive

Anyone can learn in 15 minutes.

Prepare your prints in PreForm with one click, swap between material cartridges in seconds, keep your workspace clean with automated resin dispensing, remove parts effortlessly with Flex Build Platform, and more.

LEARN MORE



FORM 4BL

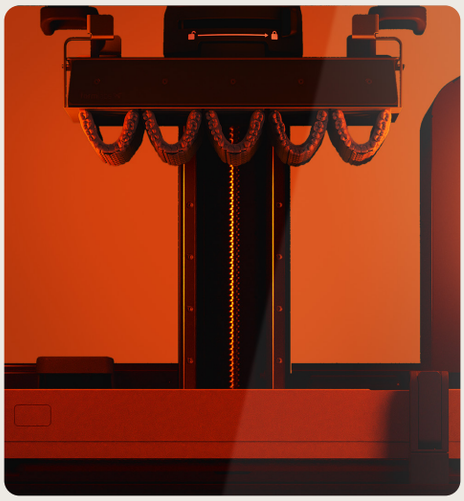
Your Lab's New Unfair Advantage.

FORM WASH L

Automated, Streamlined Cleaning for High-Volume Production

FORM CURE L

Post-Cure Large Batches of Models in 60 Seconds or Biocompatible Resins in 5-10 Minutes









Open System

Freedom to print your preferred third-party materials.



Unbeatable Cost Per Part

Produce restorative models for <$1 and reduce costs by 50%.

14 min
160 µm



2 h 10 min
100 µm

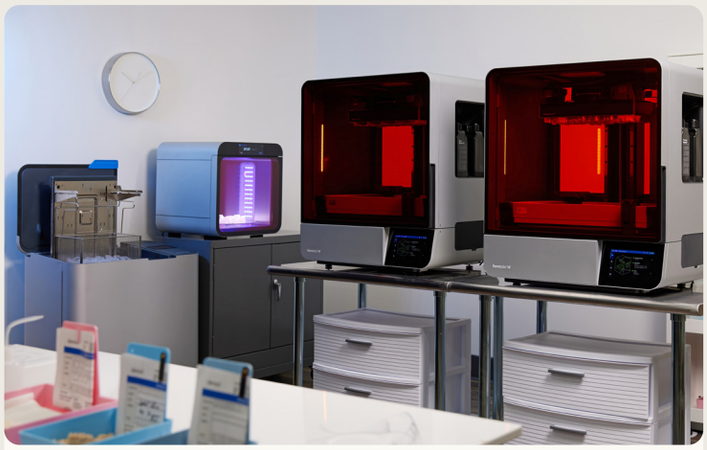


1 h 14 min
100 µm



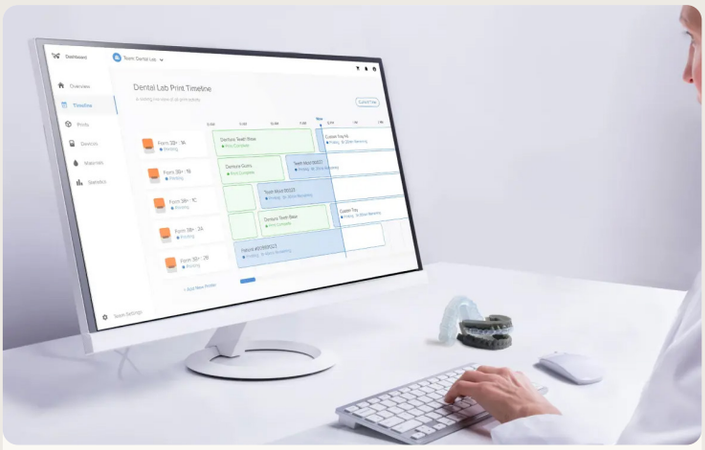
Massive Throughput

Print up to 20 restorative or 120 aligner models, or 40 occlusal splints per hour.



Unmatched Yield

Consistency out of the box backed by 98%+ print success across all dental customers.



Automation-Ready

Free, open API enables automation and system integration, eliminating labor for pre-print file preparation.

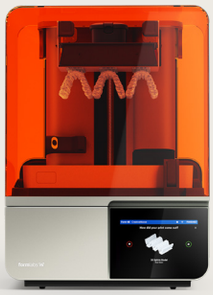


Consistent Accuracy

Achieve 95% of the surface within 50 µm of the CAD model and 99% of the surface within 100 µm of the CAD model when printing Precision Model Resin at 50 µm layer height.



Achieve 95% of the surface within 100 µm of the CAD model when printing Fast Model Resin at 160 µm.





Tech Specs

	FORM 4B	FORM 4BL
Technology	Low Force Display™ (LFD)	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

Don't Take Our Word for It See What Dental Experts Say



Dental Lab
FORM 4B + FORM 4BL

"Investing in high-quality hardware and materials has been incredibly beneficial for our dental lab. It's a smart investment that significantly boosts our efficiency and transforms our workflow. The impact has been nothing short of revolutionary."

Stephan Kreimer, *MDT, Kreimer Dentallabor*



Dental Practice
FORM 4B

"3D printing has completely changed the way that we are working in our practice. We have the possibility of a much better interaction with the patient. We have almost halved appointments for patients."

Dr. Pablo Ramírez, *Dentist and Co-director, Clínica Ramírez*



Orthodontic Practice
FORM 4B

"We have found that we can eliminate appointments for patients because we can produce models so quickly on our Form 4B."

Dr. Lisa Alvetro, *Orthodontist, Alvetro Orthodontics*



Aligner Manufacturer
FORM 4B

"Formlabs delivered on faster cycle times, lower operating costs, and helped us build digital workflows — all while maintaining accuracy."

Deepak Vadali, *Head of Manufacturing, Clove Dental*



Dental Lab
FORM 4B + FORM 4BL

"Each week, we conduct an in-house validation test where we scan a selection of models and compare them against the original digital files. The results consistently fall within our defined specifications, demonstrating the reliability and repeatability of our process."

Manuel Stanescu, *CAD-CAM Ortho Manager, Protec Dental Laboratories*



Dental Practice
FORM 4B

"Being able to print a model for a patient in under 10 minutes opens up so many avenues, not just for treatment, but also for revenue generation."

Dr. Christopher Baer, *DMD, Baer Dental*

High-Accuracy 3D Printing Materials

Validated for Orthodontic and Restorative Applications

Orthodontic Applications

Models for Diagnostics and Thermoforming Appliances

Models in Record Time for Diagnosis or Aligner Production



Indirect Bonding Trays

Accurate Bonding That's Easier to Plan and Use



Occlusal Splints and Guards

For Long-Lasting Rigid and Flexible Appliances



Restorative Applications

Wax-Up Models

Your Digital Design With a Smoother Surface Finish



Restorative Models

Soft and Rigid Components for Better Prosthetic Planning



Temporary and Permanent Restorations

State-of-the-Art Ceramic-Filled Restorations



Temporary All-on-X Appliances

For Reliable and Accurate Temporary Full-Arch Implant-Supported Restorations



Direct Composite Restoration Guides

Perfectly Replicate Digital Designs With Faster Workflows



Surgical Guides

For Highly Accurate and Predictable Implant Placement



Custom Impression Trays

Directly Printed for a Quicker Turnaround



Patterns for Casting and Pressing

Optimize Your Analog Workflow With Digital Accuracy



Digital Dentures

Expanding Access to High-Quality Dentures in Custom Shades



Request a Free Sample Part

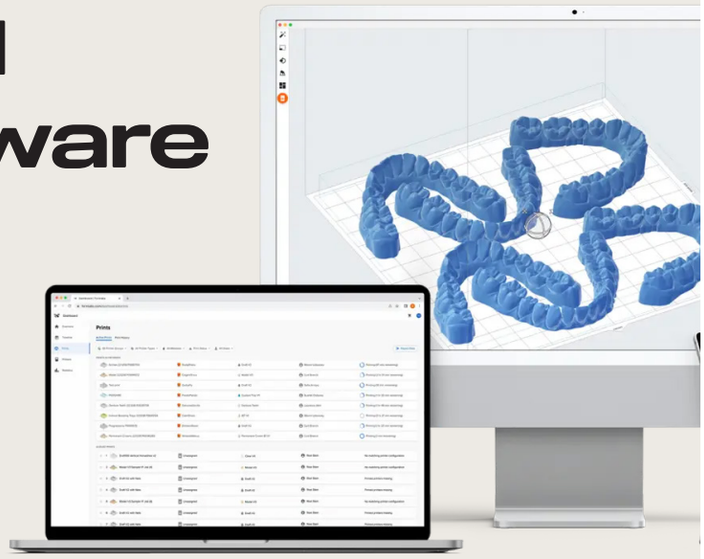
Third-Party Resins

Form 4B and Form 4BL are open right out of the box. Settings from third-party resin manufacturers are available for 50+ materials, with more coming.

BEGO · Graphy · PacDent · Dentsply Sirona · Zirlux · voco · d-tech · SAREMCO · VITA · keystone · detax

Complete Dental 3D Printing Software Solutions

Our comprehensive suite of dental software tools is designed to help you save time, reduce costs, and enhance the overall efficiency of your practice or lab.



PreForm Dental

Process thousands of models with one click. Build powerful automation with automatic model batching, hollowing, and labeling to streamline production.

Scan to Model

Compatible with every intraoral scanner on the market. Convert patient scans to printable solid or hollow models in less than 10 seconds.

Effortless Preparation

Set up your models automatically with one-click print preparation, or create custom presets according to your needs.

Advanced Features Powering Efficiency

Optimize resin use and print time by hollowing models, add drain holes, and customize parts with labels.

Dashboard

Manage your dental printing operations from anywhere with our free online printer management portal that provides insights that empower you to run your business with maximum efficiency.

"There is the world of dental 3D printing and then there is Formlabs. When you have multiple 3D printers — and this is the future for dental — you need a good way to manage all those 3D printers. And there is nothing close to the Dashboard and the ecosystem from Formlabs."

Dr. Antonino Cacioppo,
DDS, PhD, Prosthodontist

Formlabs API

Process thousands of models with one click. Build powerful automation with automatic model batching, hollowing, and labeling to streamline production.

The Formlabs API gives you access to powerful infrastructure to build better integrations in other applications. Automate workflows to go from design to printed part effortlessly. Design, develop, support, and launch your feature or integration with Formlabs API.

Explore Software and Download PreForm Dental



Formlabs Dental Service Plan (DSP)

Premium 3D Printing Support, Made for Dental

Get started immediately and unlock the full potential of your Formabs 3D printer with our dental service experts by your side. Our Dental Service Plan includes onboarding training, proactive check-ins, and the best phone and email support in the industry.

- Priority phone and email support from our team of dedicated experts
- Extended warranty for the full duration of the chosen plan
- Training videos and a live Q&A session with a certified dental expert to ask questions about your specific workflow
- Express printer replacement service if troubleshooting doesn't get you back to printing

Guides and Resources



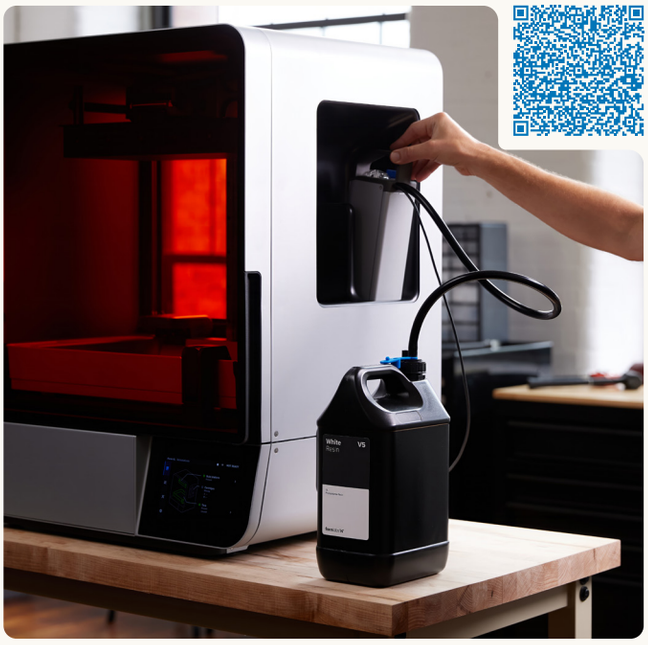
Step by Step Guides

Our dental application guides detail the workflows for manufacturing all the dental indications validated on Formlabs 3D printers, from start to finish.



3D Printing Resources

Hone your skills with our library of white papers, clinical case studies, webinars, and more.



Resin Pumping System

Reduce costs and waste while improving operational efficiency with a Resin Pump and 5 L resin container for Formlabs SLA 3D printers. Print 5x longer with fewer interactions.



Formlabs Resin Washing Solution

This lower-odor washing solution is non-flammable per GHS classification, cleans parts as well as isopropyl alcohol (IPA), and has twice the longevity for a lower cost per wash.



25,000+ PRINTERS SHIPPED TO DENTAL PROFESSIONALS

5,000,000+ DENTAL PARTS PRINTED

GET STARTED NOW.

FIND A RESELLER IN YOUR REGION:

https://dental.formlabs.com/company/partners/

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