

# Dentistry Made Easier™



# Formlabs Dental Ecosystem at a Glance

Validated for every dental application, our reliable, end-to-end 3D printing solutions are easy to integrate into your existing practice or lab.



**FORM** 4B

## Blazing Speed Meets Unmatched Accuracy

Form 4B delivers unprecedented print speeds and unrivaled accuracy that matches your commitment to a perfect fit, every time.

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**FORM** 4BL

## Maximum Throughput at Blazing Speed

The large-format Form 4BL 3D printer is designed for dental and orthodontic labs that require efficient, large-scale production.

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**FORM** WASH

**FORM** CURE

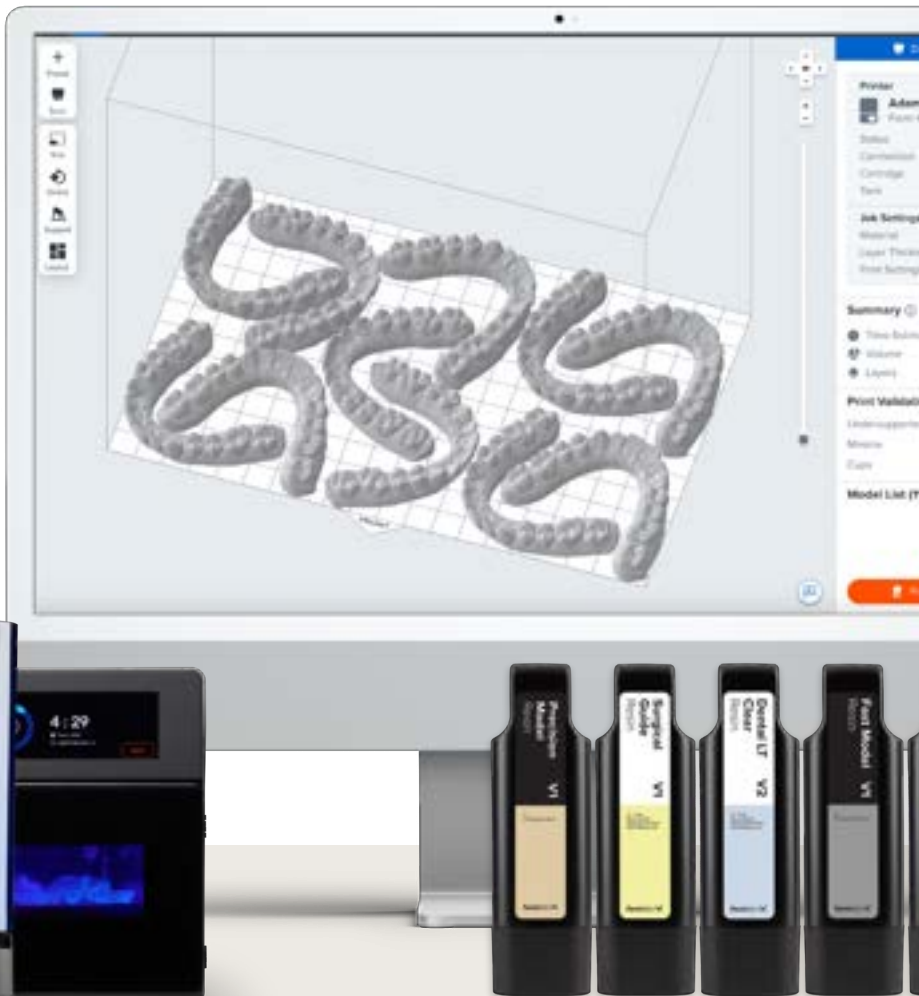
**FAST** CURE

## Simplified Dental Post-Processing

Unlock same-day dentistry with our automated washing and curing solutions.

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# Dedicated Support and Education for Dental Professionals



[Dental Service Plan \(DSP\)](#)

## Premium Dental 3D Printing Support

Get started immediately with personalized training and priority access to our experts.

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[Software](#)

## The Most Streamlined Solutions for One-Click Printing

From IOS integration to remote print monitoring, our software empowers you to press print from anywhere.

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[Specialized Dental Resins](#)

## Fully Validated Resins for Every Dental Application

Grow your business with our advanced range of proprietary resins including biocompatible options.

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[Formlabs Dental Academy](#)

## Your Learning Hub for Digital Dentistry

Master digital dentistry with our in-depth library of tutorials and guides for every workflow.

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# FORM 4B

## Blazing Speed Meets Unmatched Accuracy

Powered by our Low-Force Display™ (LFD) Print Engine, Form 4B delivers unprecedented speed, while maintaining superior dimensional accuracy and surface finish across 15+ validated dental applications.

- FAST** 11 models\* in nine minutes

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- VERSATILE** 15+ Formlabs resins and Open Material Mode

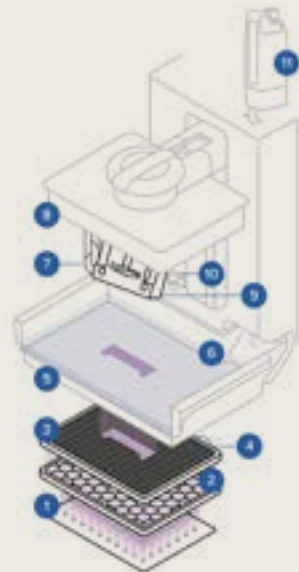
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- INTUITIVE** Anyone can learn in 15 minutes

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- ACCURATE** A perfect fit every time

- 1 LEDs
- 2 Collimating Lenses
- 3 Light Processing Unit 4
- 4 Release Texture
- 5 Flexible Film Resin Tank
- 6 Resin
- 7 Supports
- 8 Build Platform
- 9 Printed Part
- 10 Six Intelligent Control Systems
- 11 High-Speed Automatic Resin Handling





## Industry-Leading Print Quality

### UNRIVALED ACCURACY FOR A PERFECT FIT

Deliver dental parts with industry-leading surface accuracy of over 95% of data points within 50  $\mu\text{m}$  of the original CAD data, and consistency across the entire build platform.



## An Unmatched Seamless Workflow

### AUTOMATED, MESS-FREE PRINTING

Discover the world's most effortless 3D printing workflow. Instantly remove parts without tools with Build Platform Flex, seamlessly switch between resins with Intelligent Material Handling, and keep your workspace spotless with automated, spill-proof resin dispensing.



## Advanced 3D Printing Materials

### FULLY VALIDATED WORKFLOWS FOR 15+ DENTAL APPLICATIONS

Unlock the widest range of validated dental materials in the industry—including an advanced range of biocompatible options, manufactured in our state-of-the-art facilities to the highest ISO standards—and other certified third-party resins. Formlabs Dental 3D printers also offer the flexibility to print any 405 nm resin using Open Material Mode.



## Unprecedented Print Speeds

### PRINT 11 MODELS\* IN NINE MINUTES

Form 4B is faster than ever, without compromising on accuracy. Print jobs are completed up to four times faster than previous generations of Form Series 3D printers, regardless of whether you're printing one part or a full build platform.

\*Models printed using Fast Model Resin at 160 $\mu\text{m}$





1

#### FORCE SENSOR

Optimizes print speed across materials and geometries

2

#### CAMERA

Enables remote monitoring and troubleshooting

3

#### RESIN TEMPERATURE SENSOR

Adjusts temperature for optimal print results

4

#### RESIN LEVEL SENSOR

Automatically triggers tank refill

5

#### MIXER DEBRIS SENSING

Checks for debris to reduce print failures

## FORM 4B TECH SPECS

<b>TECHNOLOGY</b>	Masked Stereolithography (MSLA)
<b>PRINT ENGINE</b>	Low Force Display™ (LFD)
<b>BUILD VOLUME</b> (W x D x H)	20.0 × 12.5 × 21.0 cm 7.9 × 4.9 × 8.3 in
<b>LAYER THICKNESS</b>	25-200 µm
<b>XY RESOLUTION</b>	50 µm
<b>AVERAGE PRINT SPEED</b>	40 mm/h
<b>MAXIMUM PRINT SPEED</b>	100 mm/h
<b>RESIN TANK LIFETIME</b>	75,000+ layers with any Formlabs material
<b>PRINTER WEIGHT</b>	18.3 kg   40.4 lb
<b>PRINTER DIMENSIONS</b>	39.8 × 36.7 × 55.4 cm 15.7 × 14.5 × 21.9 in
<b>WARRANTY AND SERVICE</b>	One-year warranty included  Paid service and extended warranty options available
<b>SOFTWARE COMPATIBILITY</b>	Windows 7 and up Mac OS X 10.15 and up
<b>FILE TYPES ACCEPTED</b>	STL, OBJ, 3MF

# High-Accuracy 3D Printing Materials

Validated for Orthodontic and Restorative Applications

## Orthodontic Applications

### 6 Models for Diagnostics and Thermoforming Appliances

Models in Record Time for Diagnosis or Aligner Production



### 7 Indirect Bonding Trays

Accurate Bonding That's Easier to Plan and Use



### 8 Occlusal Splints and Guards

For Long-Lasting Rigid and Flexible Appliances



## Formlabs Open Platform Solutions

Maximize the potential of your Formlabs 3D printer. Open Platform unlocks best-in-class third-party resins, custom print settings for tailored print performance, or the ability to experiment with any 405 nm photopolymer resin.

## Restorative Applications

### 10 Wax-Up Models

Your Digital Design With a Smoother Surface Finish



### 11 Restorative Models

Soft and Rigid Components for Better Prosthetic Planning



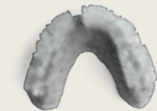
### 12 Temporary and Permanent Restorations

State-of-the-Art Ceramic-Filled Restorations



### 13 Direct Composite Restoration Guides

Perfectly Replicated Digital Designs With Faster Workflows



### 14 Custom Impression Trays

Directly Printed for a Quicker Turnaround



### 15 Surgical Guides

For Highly Accurate and Predictable Implant Placement



### 16 Temporary All-on-X Appliances

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



### 17 Digital Dentures

Expanding Access to High-Quality Dentures in Custom Shades



### 18 Patterns for Casting and Pressing

Optimize Your Analog Workflow With Digital Accuracy





**FORM**

**4BL**

**Speed That Scales.  
A New Era of Dental  
Manufacturing.**

**HIGH THROUGHPUT**

Fit up to 32 flat or 75 vertical dental models in one print

**BLAZING FAST**

Print 32 models in 14 minutes\*

**ACCURATE**

Repeatable accuracy you can count on

**VERSATILE**

Effortlessly create parts for high volume dental applications

**MAXIMUM UPTIME**

Large format 3D printing you can depend on

**STREAMLINED**

Easy, efficient operation optimized for large-scale production

\*Estimates based on orthodontic models printed with Fast Model Resin at 160 µm)





## Resin Pumping System

**RESIN PUMP AND 5 L RESIN CONTAINER FOR FORMLABS' SLA 3D PRINTERS**

### Reduce Costs

Reduce total costs with bulk resin pricing - now available at 5 L volumes.

### Improve Operational Efficiency

Print 5x longer and minimize printer interactions with less frequent cartridge changes.

### Reduce Waste

Reduce packaging waste by 86%.

## FORM 4BL TECH SPECS

<b>TECHNOLOGY</b>	Masked Stereolithography (MSLA)
<b>PRINT ENGINE</b>	Low Force Display™ (LFD)
<b>BUILD VOLUME</b> (W x D x H)	35.3 x 19.6 x 35.0 cm 13.9 x 7.7 x 13.8 in
<b>LAYER THICKNESS</b>	25-200 µm
<b>XY RESOLUTION</b>	46 µm
<b>AVERAGE PRINT SPEED</b>	24 mm/h
<b>MAXIMUM PRINT SPEED</b>	80 mm/h
<b>RESIN TANK LIFETIME</b>	75,000+ layers with any Formlabs material
<b>PRINTER WEIGHT</b>	58.5 kg   129 lb
<b>PRINTER DIMENSIONS</b>	66.4 x 52.8 x 79.4 cm 26.1 x 20.8 x 31.3 in
<b>WARRANTY AND SERVICE</b>	One-year warranty included Paid service and extended warranty options available
<b>SOFTWARE COMPATIBILITY</b>	Windows 7 and up Mac OS X 10.15 and up
<b>FILE TYPES ACCEPTED</b>	STL, OBJ, 3MF



# Dental Part Post- Processing

Achieving peak quality of your dental prints requires a washing and curing process. Say goodbye to complex manual procedures with our automated post-processing solutions that complete the biocompatible workflow. With pre-programmed settings for each material, you can bring parts to consumer-grade quality with the touch of a button.

## Set It and Forget It: The **Form 4B** Post-Processing Workflow

### STEP 1 **Print**

Set up prints in just a few clicks with our pre-programmed settings.

### STEP 2 **Wash**

Transfer the Build Platform to Form Wash (2nd Gen) or Form Wash L for an automated deep clean.

### STEP 3 **Cure**

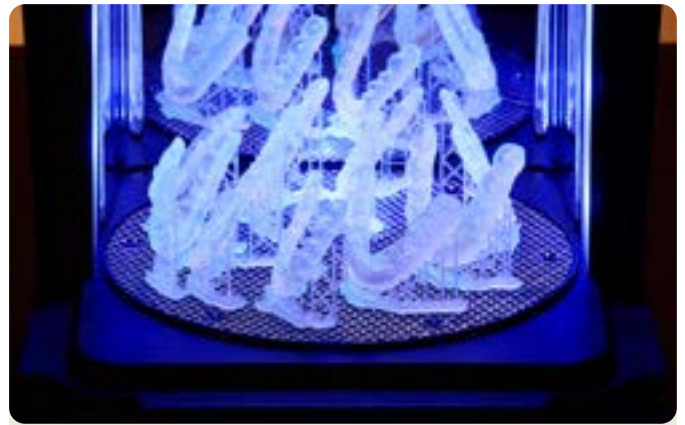
Transfer clean parts to Form Cure, Fast Cure, or Form Cure L to bring them to their peak mechanical properties.



## Form Wash (2nd Generation)

### GLOVE-FREE CLEANING

Form Wash (2nd Generation) has 3x improved agitation, pre-programmed settings, and adjustable build platform mounts or thorough washing and streamlined workflows.



## Form Cure

### OPTIMAL RESIN CURING

Bring parts to their peak mechanical properties and dimensional accuracy in just one click with pre-calibrated settings that optimize performance for each material.



## Fast Cure

### DENTAL PART CURING IN MINUTES

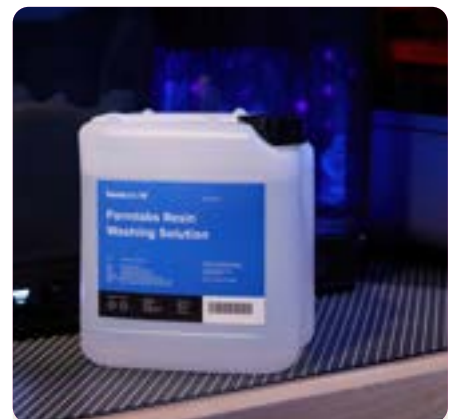
Unlock same-day dentistry with dental part curing in one to six minutes. Fast Cure is our premium auto-curing solution for safely bringing dental parts to peak mechanical properties in record time.



## Form Wash L, Form Cure L

### LARGE-FORMAT SOLUTIONS FOR HIGH-VOLUME PRODUCTION

Form Wash L and Form Cure L are capable of post-processing one Form 4BL or two Form 4B batches at once



## Formlabs Resin Washing Solution

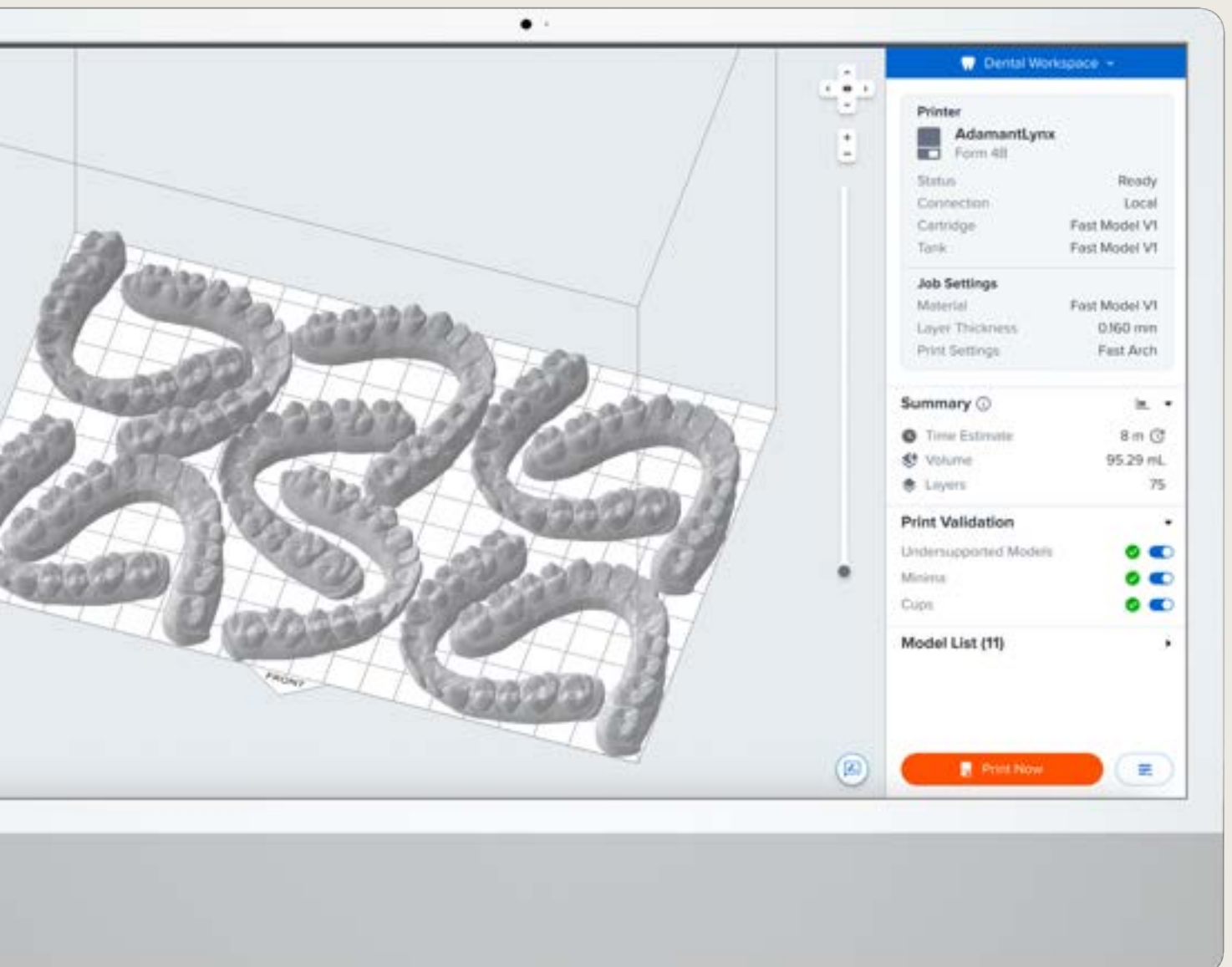
### SAFE AND COST EFFECTIVE

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.

\*Formlabs Resin Washing Solution is compatible with most non-biocompatible Formlabs Resins

# 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

**CLICK LESS, DO MORE WITH THE NEW STANDARD  
IN DENTAL PRINT PREPARATION SOFTWARE**

Our free dental print preparation software is designed to help your team set up prints more effortlessly and efficiently than ever before. Prepare parts for printing in just a few clicks and access your printers remotely from the cloud with advanced software tools.

## SCAN TO MODEL

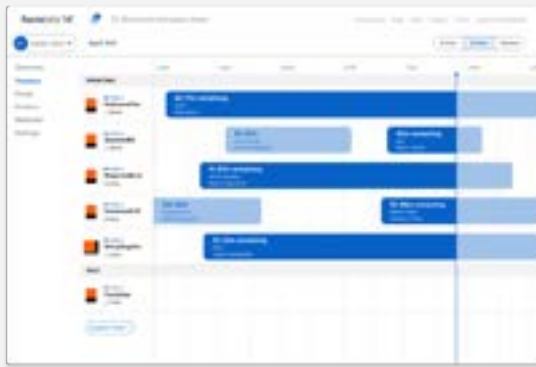
Compatible with every intraoral scanner on the market. Seamlessly bridge the gap between scanning and printing by converting patient scans to printable models in less than 10 seconds.

## EFFORTLESS PRINT 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 to prevent trapped resin and eliminate cups. Customize parts with labels for easy traceability.



## Dashboard

**MAXIMIZE OPERATIONAL EFFICIENCY WITH OUR FREE PRINTER MANAGEMENT PORTAL**

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.

### Printer and Consumables Tracking

Track real-time data on printing, material, and employee usage.

### Remote 3D Printing

Start print jobs from anywhere, anytime for back-to-back throughput.

### Printer Groups

Manage multiple 3D printers across different purposes or locations.



## Fleet Control

**ADVANCED MULTI-PRINTER MANAGEMENT FOR PREFORM DENTAL AND DASHBOARD**

Automate and optimize print jobs across your whole fleet by activating advanced optimization features within PreForm and Dashboard.

### Automated Printer Assignment

Fleet Control automatically assigns print jobs to the next available printer.

### Consolidated Insights & Advanced Settings

Take full control with live consolidated updates and advanced user settings.

### Integrated Updates

Update your printer fleet all at once with mass firmware updates.





# Dedicated Support and Education for Dental Professionals

Enjoy a seamless transition to digital dentistry with our community of experts and library of learning resources.

## Formlabs Dental Service Plan (DSP)

### PREMIUM DENTAL 3D PRINTING SUPPORT

Get started immediately and unlock the full potential of your Formlabs 3D printer with our dental service experts by your side. Designed by dental professionals, for dental professionals, our comprehensive Dental Service Plan includes priority access to the best support in the industry, personalized onboarding and training, fast maintenance, and more.

- Priority phone and email support from certified dental experts
- Live Q&A session with a certified dental expert to ask questions about your specific workflow
- Hot Swaps: if troubleshooting doesn't get you back to printing, we'll expedite a replacement
- Extended warranty converge up to three years

## Formlabs Dental Academy

### YOUR LEARNING HUB FOR DIGITAL DENTISTRY

Learn how to perform every supported digital dentistry workflow with Formlabs' comprehensive library of step-by-step guides, clinical papers, and trainings covering over one hundred topics.

- Educational library covering multiple dental topics
- Step-by-step guides for every supported dental application
- 24/7 on-demand learning options in multiple languages
- Clinically authored case studies and white papers
- In-person and virtual courses by Formlabs and Trusted Educational Centers
- Exclusive access to Formlabs product offers

# Maximize Your Time, Money, and Throughput With Formlabs Dental 3D Printing Solutions

"We can actually do same-visit printing, where we can go from a scan to a printed model and fabricate an appliance very easily within 10 minutes so we have it before a patient leaves."

**Dr. Christopher Baer DMD**  
Baer Dental

"It's a very easy set-up and very fast! From a user standpoint, meaning someone that is not trained to 3D print, this is a really easy set-up. It's so easy to use and intuitive"

**Dr. Lisa Alvetro DDS**  
Orthodontist & Owner  
Alvetro Orthodontics

"Form 4B was a game changer for our entire production, because now we can produce parts two to five times faster than before."

**Stephan Kreimer MDT**  
Kreimer Dentallabor