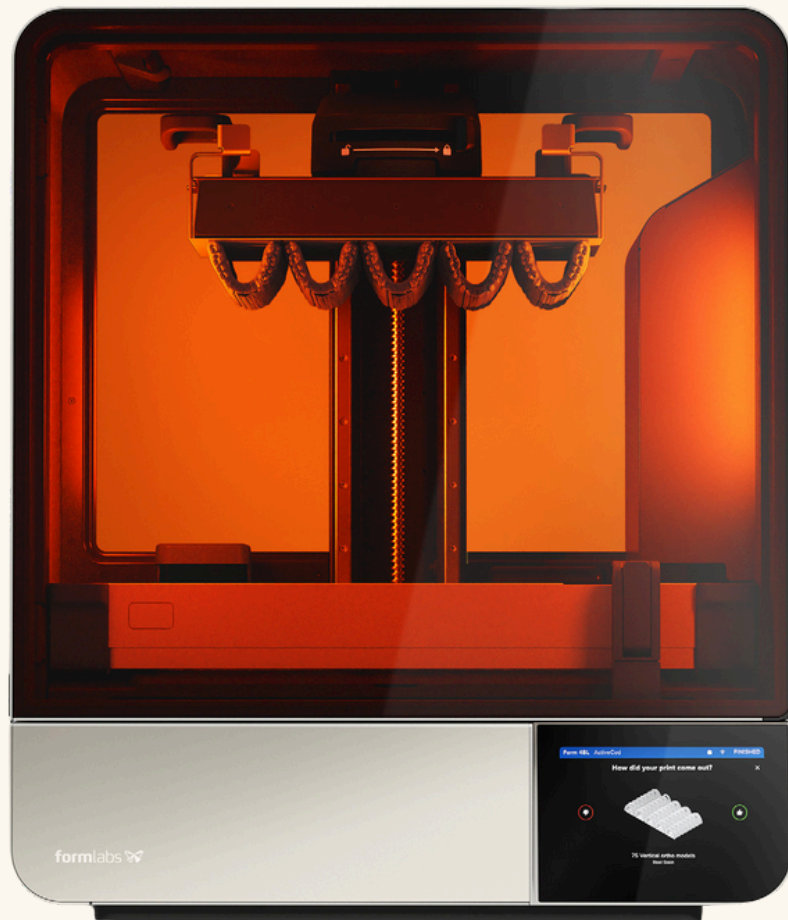
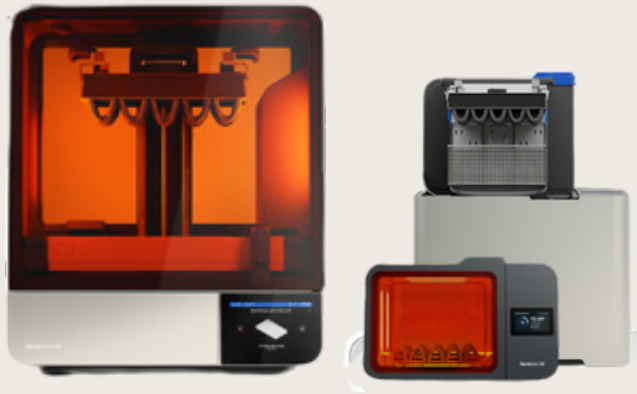




formlabs  | dental

Formlabs Form 4BL

Formlabs Form 4BL



MATERIALS

Supported Dental Applications & Materials

15+ validated applications

A wider range of applications on a single printer, validated, tested, and directly supported by Formlabs.

Open System

Open material mode is available enabling third-party resins.

Ease of Use

Seamlessly switch materials

Simply insert a new cartridge and resin tank to change materials. Additional resin tanks may be purchased for \$249 and include reusable lids for easy storage.

TECHNOLOGY

Print Technology

Low Force Display™ (LFD)

LFD is a new generation of masked stereolithography (MSLA) 3D printing where reduced peel forces lead to incredible surface finish and unmatched accuracy. Formlabs **Light Processing Unit (LPU) 4L** is designed to deliver 600K - 1.9M layers of consistent print performance and takes only minutes to replace using a tool provided with the printer.

Light intensity

16 mW/cm²

optical power intensity delivered to the cure plane.

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Print Speed

Blazing fast

Up to 80 mm/h with Fast Model Resin, 24 mm/h on average across all materials. 32 clear aligner models in 14 minutes for up to 1000+ models within an 8-hour working day.

XY Resolution

46 µm

Pretuned anti-aliasing for subpixel resolution resulting in superior fine and sharp feature performance.

BUILD VOLUME

Build Area: 692 cm²

35.3 x 19.6 x 35 cm

13.9 x 7.7 x 13.8 in

24.2 L

SOFTWARE

Advanced and optimized for dental

Formlabs' free PreForm Dental software is the golden standard when it comes to ease of use. Intuitive functionalities and presets for key indications such as models, splints, and surgical guides help users set up prints automatically, taking care of the orientation, support generation, and material selection in one click.

You can also use the online Dashboard to manage a fleet of printers, monitor prints, track materials and consumables, and work with your team.

Dental PreForm has settings for all Formlabs resins for easy, optimized printing.

SUPPORT

Professional support

All Formlabs hardware comes with a one-year warranty and email support provided by a dedicated staff. Purchase a Dental Service Plan to extend your coverage further and gain access to additional benefits like hot- swap replacements, dedicated phone support, training, and more, so you can stay focused on growing your business.

RELIABILITY

95%+ print success rate

"With Formlabs' ecosystem, our 3D print success rate is now close to 100%."

Stephan Kreimer,
MDT, Kreimer Dentallabor

A new **Release Texture** and a durable **Flexible Film Resin Tank** minimize peel forces during printing. Plus, the built-in **Resin Level Sensor** and **Z-Axis Force Sensor** ensure consistency and performance.

In the event of an issue, error messages display QR codes that lead to support articles to get you back up and running as quickly as possible.

Typical Dimensional
Tolerances

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Accurate, repeatable prints with a smooth surface finish

Restorative models (Precision Model Resin at 50 µm layer height)

- 99% of the surface within 100 µm of the CAD model
- 95% of the surface within 50 µm of the CAD model

Clear aligner models for thermoforming (Fast Model Resin at 160 µm layer height)

- 95% of the surface within 100 µm of the CAD model

EASE OF USE
Resin Dispensing

Automatic resin handling

Light-touch supports

Pre-tuned support settings with light touch supports are available for every material to facilitate support removal.

Automated post-processing tools

Automated washing and post-curing solutions designed for Form 4L and with validated settings for each Formlabs material.

Part Removal

Toolless part removal

Quick, easy, and tool-free with Flex Build Platform. Prevents part breakage and potential injuries while removing parts.

Resin mixing and heating system

Consistent printing and a wider variety of material options, including highly-filled materials. Debris detection.

Minutes to install

15 minutes until your first print.

Camera

Market leader for professionals

Formlabs brought SLA 3D printing to the desktop in 2011 and SLS printing to the benchtop in 2021, and has become the market leader in both technologies, selling more than 130,000 printers. Form 4B is a 4th generation product, powered by a proven technology that has been used to print over 15 million dental parts.

COMPANY

GET
STARTED
NOW



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