

formlabs



TOVATECH

3D Printing Post-Processing with
Elma Ultrasonic Cleaner and FormLabs Form 3L
Purchasing Guide



POST-PROCESSING

Form 3L Finish Kit **\$349**

Similar to the Finish Kit included in all Form 3 packages, the Form 3L Finish Kit is equipped with removal tools to detach your part from the build platform for post-processing and rinse buckets to wash away uncured resin. The rinse buckets are sized to accommodate full-size Form 3L prints. Solvent compatibility and testing on recommended wash times are ongoing and will vary by material. More information will be shared at a later time.

Large Format Wash

For customers seeking an automated wash solution, Formlabs recommends the Elma P180H or P300H Ultrasonic Cleaning Units, depending on typical print size. These cleaners can be purchased globally through [Tovatech](#), a distributor for Elma.

P180H

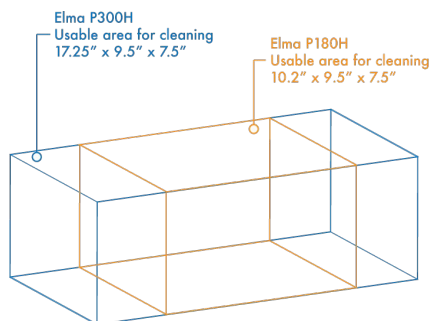


P300H



More details available on the [Tovatech website](#).

External Dimensions	39.0 x 34.0 x 32.1 cm	56.8 x 34.0 x 32.1 cm
Internal Dimensions	32.7 x 30.0 x 20.0 cm	50.5 x 30.0 x 20.0 cm *capable of washing full-size Form 3L prints
Internal Dimensions with Tub	28.0 x 25.0 x 11.5 cm	45.5 x 25.0 x 11.5 cm
Tank Max Capacity	18L	28L
Quoted Price	\$3474.00	\$4131.00



The Form 3 and Form 3L are powered by a new 3D printing process called Low Force Stereolithography (LFS). LFS 3D printing uses a flexible tank and linear illumination to turn liquid resin into flawless parts. Inside the Form 3 and Form 3L is a completely redesigned optics engine, the Light Processing Unit (LPU), which contains a system of lenses and mirrors to deliver accurate, repeatable prints.

The modular design of the LPU, uniform linear illumination, and low forces from the flexible tank mean the LFS technology can seamlessly scale up to a larger print area, using two staggered LPUs that work simultaneously along an optimized print path. The Form 3L is the first affordable large-format resin printer on the market, with a build volume of 7.9 x 13.2 x 11.8 in (20 x 33.5 x 30 cm), which is five times that of the Form 3.

THE FORM 3L BASIC PACKAGE

The Form 3L Basic Package is available for pre-order now. The expected shipping date for orders placed today can be found on [the FormLabs website](#).

Included in the Form 3L Basic Package:

- 1 Form 3L 3D Printer
- 1 Build Platform
- 1 Resin Tank
- 1 Finish Kit
- PreForm Software

ADDITIONAL CONSUMABLES AND ACCESSORIES

Similar to the Form 2 and Form 3, users purchasing the Form 3L should understand its consumables and accessories, post-processing options, and service offerings to help keep the Form 3L running at peak performance.

Form 3L Build Platform **\$399**

Spare build platforms speed up your workflow and allow for nonstop printing, for example, starting a new print while post-processing your previous part. The Form 3L build platform holds full-size prints and has two side handles to easily transport your printed part.

Form 3L Resin Tank **\$349**

The Form 3L Resin Tank relies on the same Low Force Stereolithography technology as the Form 3. Robust yet flexible, this resin tank reduces peel forces during the peel process, improving part quality and surface finish. Each resin tank includes a mixer and is designed to block extraneous UV light and allow for easy stacking.

It is recommended to have at least one tank for each material you are planning to use, understanding that unused resin can be stored in the tank in between use. Tanks do wear over time and are considered consumables. Tank lifetime depends on which resin is being used.

Resin Cartridges **\$149+**

Formlabs offers over 25 different resins, ranging from standard prototyping materials to engineering materials with various material properties. The Form 3L uses the same resin cartridges as the Form 2 and Form 3, but is designed to hold two cartridges at once to account for the larger print volume.



Large Format Cure

Adding post-curing to your stereolithography 3D printing process helps your part reach its maximum material properties, including improved strength and performance. In some cases, post-curing also improves part accuracy.

For customers seeking an automated cure solution, Formlabs recommends the Photocentric Cure L due to its ability to cure large parts. This large format cure can be purchased through Photocentric.

Cure L Photocentric



External Dimensions	700 (H) x 600 (D) x 700 (W) mm
Internal Dimensions	550 (H) x 350 (D) x 500 (W) mm
Temperature Range	0 – 65 °C
Curing Time	15 – 120 min
Quoted Price	\$3764

Optimal cure times and temperatures with the Photocentric Cure L may vary from those published with the Form Cure.

SERVICES

We are expanding our industry-leading support and service offerings to cover the Form 3L. Online documentation, support articles, and the Formlabs Forum are always available for all Formlabs products.

Additional Pro Service Plans and an Extended Warranty specifically tailored toward the Form 3L will be made available closer to Q4, with the ability to add them onto any Form 3L pre-order.

Service	Description
Form 3L Pro Service Plan	Tailored for professionals, this premier support service is designed to meet the needs of your business and deliver rapid response to critical issues.
Form 3L Extended Warranty	Add a year of additional coverage to the standard one-year warranty included with every Formlabs 3D printer for two years of worry-free warranty coverage.

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