



Form 3L

Small Details, Big Results

The Form 3L is an affordable large format 3D printer trusted by professionals for fast turnaround of industrial-quality parts.

With advanced Low Force Stereolithography (LFS)[™] technology, Formlabs has completely re-engineered resin-based 3D printing to drastically reduce the forces of the print process. Low Force Stereolithography (LFS)[™] uses a flexible tank and linear illumination to deliver groundbreaking print quality and printer reliability.



Features of the Form 3L include:

- **Twice the Laser Power** - Two staggered Light Processing Units (LPUs) inside the printer use a compact system of lenses and mirrors to deliver accurate, repeatable prints. This provides for three distinct advantages:
 - Faster printing: The two LPUs work simultaneously along an optimized print path to efficiently blaze through parts of all sizes.
 - Crisp, clean features: Each high-density laser passes through a spatial filter to guarantee a clean laser spot.
 - Consistent precision: A parabolic mirror ensures that the laser prints perpendicular to the build plane, ensuring uniform print quality across the entire build platform.
- **Nonstop Printing** - Integrated sensors help maintain ideal print conditions and send you alerts about the state of your machine. This provides for three distinct advantages:
 - High material capacity: The Form 3L can hold two easy-to-switch resin cartridges, preventing interruptions during large print jobs.
 - Closed-loop calibration: Optical sensors continuously correct for scale and power, and can even detect dust.
 - User-replaceable components: The Light Processing Units, resin tank, rollers, and optics window can be replaced in-house, reducing the need for replacement printer shipments.

Technical specs for the Form 3:

- XY Resolution - 0.001in
- Laser Power - 250mW
- Layer Thickness - 0.001 - 0.012in
- Build Volume (inches) - 11.8h × 13.2w × 7.9d

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