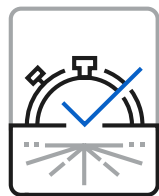


# Form 3+ and Form 3B+ Innovations

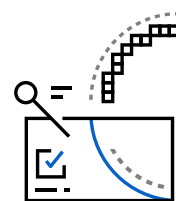
In 2019, Formlabs changed the way 3D printed parts are fabricated with the introduction of the Form 3 and Form 3B and our trademarked Low Force Stereolithography (LFS™) technology. Now, with the Form 3+ and Form 3B+, we are building on years of hardware and software innovations to take LFS 3D printing to the next level. The Form 3+ and Form 3B+ are rich with features that make it simple to quickly and reliably produce functional, high-quality prototypes, end-use parts, medical devices, dental parts, and more.



SOFTWARE

Our new software updates significantly increase print speeds—up to 40% faster on many resins—and make support removal easier than ever. We've also introduced new features that further improve the user experience that Formlabs 3D printers are known for.

Better yet, our Form 3 and Form 3B customers will benefit from these software improvements as well.



HARDWARE

The new Form 3+ and Form 3B+ also entails new hardware components and subsystems which produce parts with smoother, clearer surfaces, increase printer reliability, and push print speed even further.

## SOFTWARE IMPROVEMENTS

Feature	Benefit	Form 3+ and Form 3B+	Form 3 and Form 3B
<ul style="list-style-type: none"><li>Expanded laser power operating range</li><li>Reworked motion profile for the LPU</li><li>Faster galvanometer moves</li><li>Other key print process improvements</li></ul>	Parts print 20 - 40% faster than previous settings	✓	✓
Redesigned supports are faster and easier to remove and avoid creating surface divots	Reduces post processing time and improves surface finish	✓	✓
Preheating	Reduces the time it takes for a print to start after uploading	✓	✓
Sleep mode	Minimizes energy consumption, ambient light, and gives peace of mind when closing up for the day	✓	✓

## HARDWARE IMPROVEMENTS

Feature	Benefit	Form 3+ and Form 3B+	Form 3 and Form 3B
Stabilization components for the LPU	Surface finish and part quality is improved and transparent parts have better optical clarity	✓	
Redesigned air duct and thermal measurement system	Printers perform more consistently across different temperatures and environments	✓	
Spacing components ensure tighter alignment between the LPU and the build platform	Print times are reduced by five to 15 minutes in the first few layers of the print	✓	

## NEW POST-PROCESSING EQUIPMENT

Feature	Benefit	Form 3+ and Form 3B+	Form 3 and Form 3B
Build Platform 2 with Quick Release Technology instantly releases parts from the build platform	Saves post-processing time and eliminates risk of damaging parts with traditional removal tools	✓	✓