

Maskless Lithography Customized to Your Requirements and Budget



SF-100 XTREME

- Provides the ultimate in maskless lithography processing.
- Contains the most standard features in the SF-100 product line.
- Platform is field proven, easy to use, and requires only minimal maintenance. Automated stage is standard.
- Among other options the Sub-Micron Smart Filter option for thin film devices is available.

Ideal use: Advanced research or photomask fabrication • Easiest integration into existing processes and compatibility with existing materials • Pattern flat and curved substrates.



SF-100 XPRESS

- Built on the same platform as the SF-100 XTREME but at a lower price point.
- You purchase only the specific features desired for your processes. Can be fully upgraded to the SF-100 XTREME onsite.
- Automated stage is standard. Among other options a Sub-Micron Smart Filter option is available for thin film devices.

Ideal use: Researchers needing advanced microlithography capabilities at lower price point than the SF-100 XTREME • Access to features only found on large, expensive pattern generators • Desire a high-level entry model that can be upgraded onsite when needs change and budgets become available • Pattern flat and curved substrates.



SF-100 XCEL

- A great introductory system for new lithography areas or unique cost sensitive applications. Optional manual stage, automated stage, or no stage.
- Among other options the Sub-Micron Smart Filter option is available for thin film devices.
- The lowest priced sub-micron maskless patterning system on the market.

Ideal Use: A wide range of applications on a budget friendly basic system that can be field upgraded • Train students in basic processing • Pattern flat and curved substrates



Choose Your System, Based on Your Needs & Budget

	SF-100 XCEL	SF-100 XPRESS	SF-100 XTREME
Optics	<ul style="list-style-type: none"> Choose standard optics or high resolution optics. Optional sub-micron Smart Filter available for minimum features down to 0.6 microns. 	<ul style="list-style-type: none"> Choose standard optics or high resolution optics. Optional sub-micron Smart Filter available for minimum features down to 0.6 microns. 	<ul style="list-style-type: none"> Choose standard optics or high resolution optics. Optional sub-micron Smart Filter available for minimum features down to 0.6 microns.
Stage	<p>Choose the stage option that best meets your needs:</p> <ul style="list-style-type: none"> No stage Manual stage 60mm automated linear drive stage. 	<p>Choose desired size of automated XYZ linear drive stage. Optional theta stages available.</p>	<p>Choose desired size of automated XYZ linear drive and theta stages.</p>
Exposure	<ul style="list-style-type: none"> Mercury arc lamp with standard g-, h-, and i- line energies Customer specified wavelength for exposure. Integrated filter wheel provides customization and power control at substrate. 	<ul style="list-style-type: none"> Mercury arc lamp with standard g-, h-, and i- line energies Customer specified wavelength for exposure. Integrated filter wheel provides customization and power control at substrate. 	<ul style="list-style-type: none"> Mercury arc lamp with standard g-, h-, and i- line energies Customer specified wavelength for exposure. Integrated filter wheel provides customization and power control at substrate.
Platform	Tabletop installation of system.	Vibration isolation table available as an option.	Includes a vibration isolation table.
Size	4 feet x 2.5 feet.	4 feet x 2.5 feet or 5 feet x 3 feet.	5 feet x 3 feet.
Support	<ul style="list-style-type: none"> Unlimited phone/email and remote support. System qualified at IMP factory and installed at customer site by IMP certified field service engineer. One year warranty and customer training 	<ul style="list-style-type: none"> Unlimited phone/email and remote support. System qualified at IMP factory and installed at customer site by IMP certified field service engineer. One year warranty and customer training 	<ul style="list-style-type: none"> Unlimited phone/email and remote support. System qualified at IMP factory and installed at customer site by IMP certified field service engineer. One year warranty and customer training



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