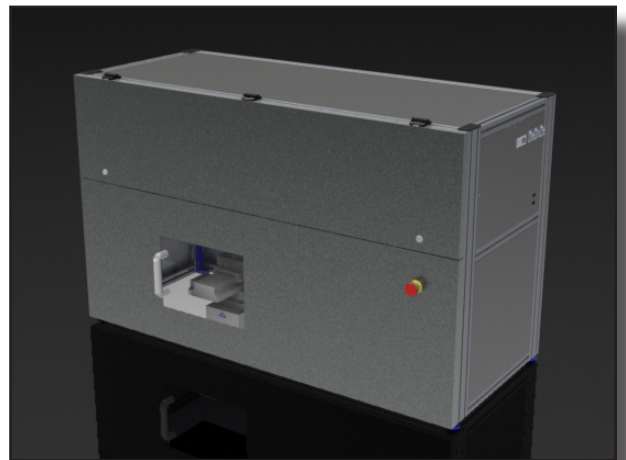
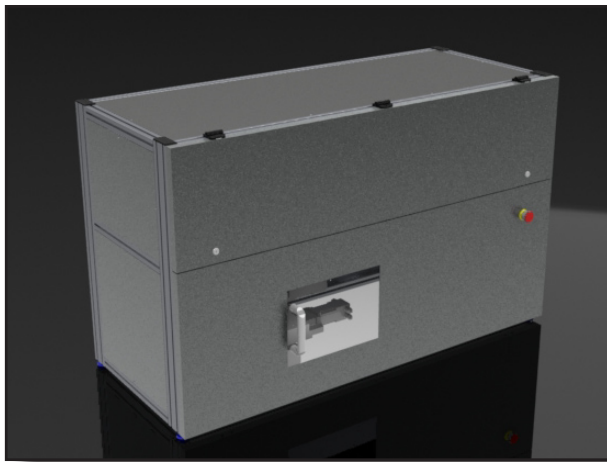


# Small Lines at a Great Price. Meet the SF-100 XPRESS



## Cost Effective Advanced Microlithography for Patterning Features as Small as 1 Micron

Since July, 2008, the **SF-100 XTREME** has been the industry's leading maskless lithography solution for patterning lines as small as 1 micron in size, with previously unheard of flexibility and performance. However, since all users are not in a financial position to purchase this superior system, we have introduced the **SF-100 XPRESS**. This system is built on the same platform as the **SF-100 XTREME**, but offers the user the ability to customize their **SF-100 XPRESS** for their specific needs, purchasing only those features that are critical to their process. The result is the same exceptional performance at a lower cost. And, since both systems utilize the same platform, the **SF-100 XPRESS** can be fully upgraded in the field to an **SF-100 XTREME**.



## The SF-100 XPRESS Offers Many Standard Features...

- Mercury arc lamp provides standard g-, h-, and i-line energies for compatibility with most commercial photoresists, polyimides, and SU8. Ensures low operational cost, typically less than \$2000 per year.
- 6 position filter wheel for choosing wavelength spectra specific to your process.
- Field proven optical design integrated with patented Smart Filter Technology.
- Integrated CCD camera for in-line substrate viewing, supporting standard optical functions, such as autofocussing.
- Fully automated XYZ stage provides 1 button operation and auto stitching for large substrates.
- Labwindows™ based software integrates all systems functions, while providing an open platform for software customization and integration with other systems.
- Labwindows™ based Vision Developers Module provides the basis for all camera functions on the system, ensuring reliability and ease of customization.
- Full field upgradability to the **SF-100 XTREME** maskless lithography system.
- Rapid prototyping of new designs and ideas without the need for costly photomasks.
- IMP's legendary customer service, engineering, and support services ensure your success.
- Complete 1 year warranty, including customer training at system witness and at the customer site.

SF-100  
XPRESS

## ...Then Saves You Money by Letting You Choose Only those Options You Need Now.

	<b>SF-100 XPRESS</b>	<b>SF-100 XTREME</b>
Optics	High Resolution Optics set is standard, but customer chooses one reduction lens, either 4X, 10X, or 20X. Other lenses can be purchased as options.	Standard Optics set can be upgraded to High Resolution Optics. Each comes with a complete set of reduction lenses.
Substrate Stage	Reduced distance XYZ stage is standard. Size is customized for each user. Theta stage is optional.	Customer chooses Standard Ball Screw Stage or High Precision Linear Drive Stage. XYZtheta stages are standard on each.
Optical Spectrometer	Offered as a system option.	Included as standard with system. Fiber optic measurement tip is mounted at substrate for complete spectral analysis.
Vibration Isolation	Customer to supply a vibration isolation table or similar environment for system operation.	Vibration isolation table is integrated into the system.
Spare Parts	Mercury arc lamp is only consumable spare part. Customer purchases spare lamps as needed.	Mercury arc lamp is only consumable spare part. First two years of lamps included with system purchase.
Upgradeability	Can be field upgraded to full <b>SF-100 XTREME</b> capabilities and specifications.	

Contact your local customer service representative for more information on the **SF-100 XPRESS**.

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