

# The Simplest, Easiest to Use Maskless Lithography System on the Market



## Cost Effective Microlithography for Patterning Features on Flat & Curved Substrates

The new SF-100 XCEL has been developed for a wide range of lithography applications. AMP has taken the same UV optics that are used on other SF-100 models and packaged them in a simple, very reliable system that can pattern sub-micron features. Additional capability is provided through the use of the optional manual and automated linear drive stage technologies.



Since these processes use standard photoresists, polyimides, or SU8 materials, the SF-100 XCEL integrates easily into your existing photolithography line. The applications for this system are endless. Use the SF-100 XCEL to train students in basic processing, pattern a variety of features, and even perform lithography on curved substrates. All of these capabilities are available to you at a low system price and on a platform that offers many choices in configuration and can be field upgradeable, as your budgetary and technical needs change over time.

## The SF-100 XCEL Provides Superior Features at a Low System Price

- 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.
- Small system footprint: 30" high x 26" deep x 44" wide. Easily fits on a benchtop.
- Field proven optical design integrated with patented Smart Filter Technology.
- Integrated CCD camera for in-line substrate viewing and full autofocus capabilities.
- 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 versatility.
- Manual or Automated stage options available at time of system purchase or can be upgraded in the field after shipment.
- 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.
- Choose additional optional features to customize your system, such as additional optics to change your minimum feature size.
- Complete one year warranty, including customer training at factory acceptance and at the customer site.

Contact us for more information regarding any Advanced Micro Patterning Product.



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