



## Innovative Ultrafast Laser Solutions

### ADVANTAGES

Fully-integrated desktop  
system including:

- Solas-series laser source
- Multi-axis positioning system
- High-dynamic response beam steering
- Beam delivery
- Selection of processing parameters
- Class I safety enclosure
- Integrated on-axis machine vision system
- Optional digital and analog I/O
- Engineered composite machine base
- Desktop sized

### APPLICATIONS

- Micro-machining
- Laser ablation
- Micro/Nano patterning
- 3D Tomography

# SolaFab-Series

## Ultrashort Pulse Desktop Micromachining Workstations



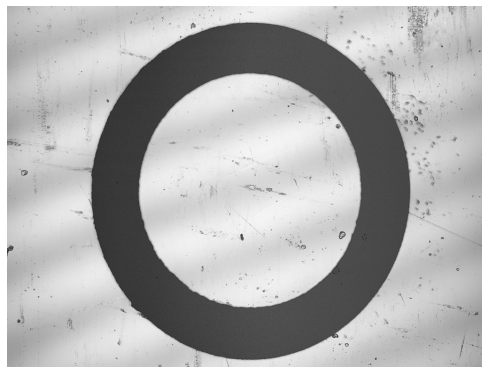
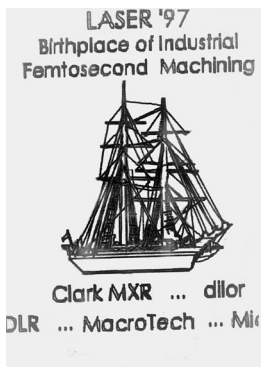
Over thirty years experience with ultrashort pulse laser manufacturing combined with hundreds of real world projects and years of processing know-how have led to a new line of femtosecond micromachining workstations.

The SolaFab-Series encompasses everything you need to micro-machine with femtosecond lasers. This design benefits from our years of experience in combining lasers, optics, mechanics, and software to create manufacturing solutions.

The SolaFab-Series breaks new boundaries in size, performance, and price to expand the accessibility of femtosecond laser machining into new areas of manufacturing and R&D.

## Specifications:

Laser Source	SOLAS integrated laser
Positioning system	4 inch (100 mm) X,Y stages and beam scan head with dynamic Z-axis
Vision System	On-axis LED illuminated vision system
Enclosure	Class 1 enclosure with interlocks

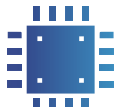


Images: Image of part made during the first demonstration of industrial femtosecond laser machining at Laser World of Photonics in Munich, Germany in 1997 (left). Optical image (center) and topography image (right) of glass cover slip machined with SolaFab.

20 years of serving the following industries:



Life Sciences



Semiconductor



Medical



Automotive



Aerospace



**Where your imagination of the very  
small is realized**



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