LASEA
LASER SOLUTIONS

LASEA. MAKING THE SMALLEST BIG DIFFERENCE

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LASEA - LS-Lab

LS-Lab

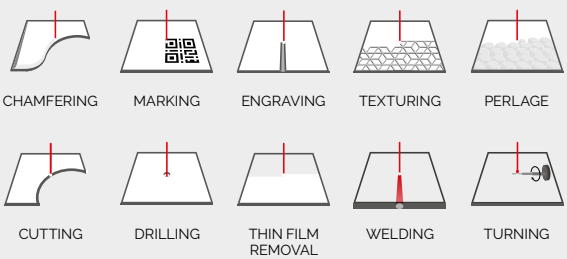
The right setup for micromachining process development. Like a high-end micromachining machine, this compact lab set-up, combined with LASEA's beam management modules, allows high-precision laser processes

Flexibility

Simplicity

Precision

Discover the potential of the LS-Lab on lasea.eu/applications



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Version 1.0

LS-Lab

HIGHLIGHTS

The 3 available LS-Lab micromachining stations, combined with the LASEA beam management modules,enable high precision laser micro-processing processes.

This modular and upgradeable concept of machining stations and optical modules makes it possible to bettercompose your equipment according to your needs.

Designed to provide access to cutting, drilling, texturing, marking, engraving, thin-film removal and 2-photon polymerization applications, these stations are pre-assembled and aligned with the chosen optical configuration. It is placed on an optical table next to the laser. This gives you access to the best setup for developing your process.

Standard configurations :

Laser type	Femtosecond Laser 5 to 100 W
Wavelength	515/1030 nm or 343 nm
Modules	LS-Shape, LS-View, LS-Scan
Software	Kyla basic
Power supply	100-240VAC – 16 A max

Options :

- Spot size adjustment
- Polarisation control
- 0° Taper
- Optical Z axis
- Synchronise motion 1D or 2D
- Fume extractor

LS-Lab Access

600 x 1.000 x 700 mm

200 kg

Manual axis :
50x50x20 mm

LS-Lab Flex

600 x 700 x 1.056 mm

400 kg

Motorized axis :
160x160x300 mm

LS-Lab Max

900 x 1.100 x 1.100 mm

700 kg

Motorized axis :
300x300x300 mm

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