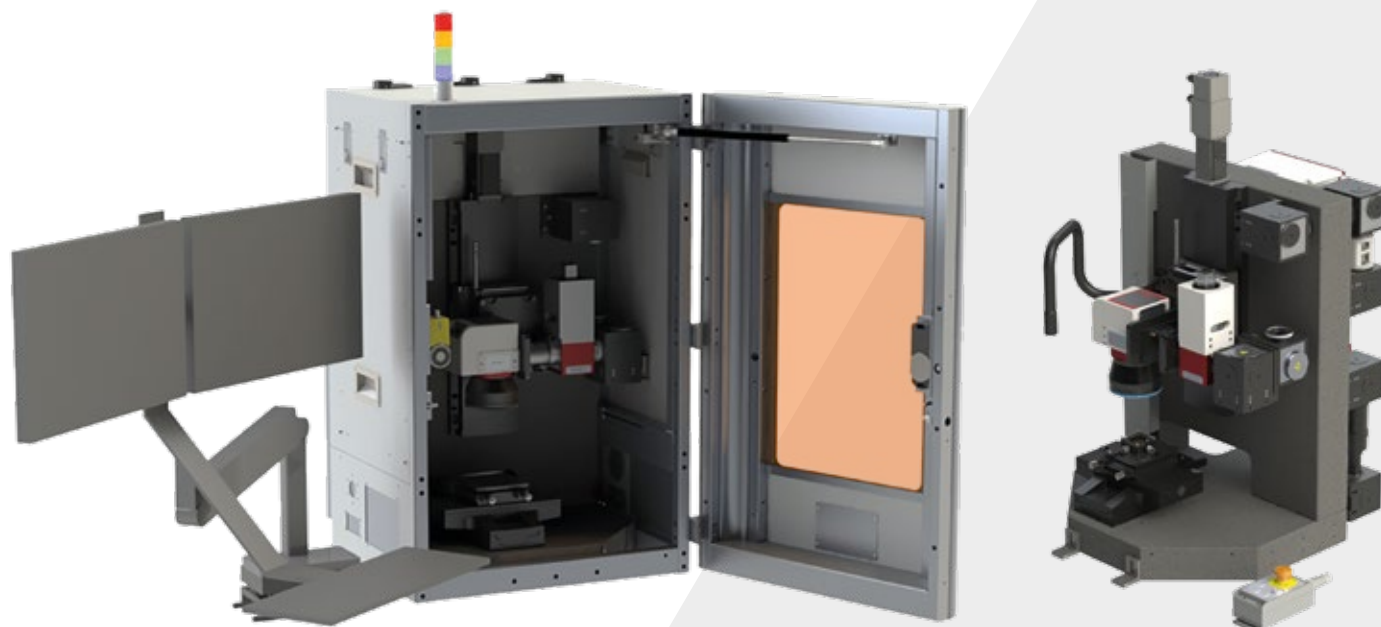


LS-Lab

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

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 better compose 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