LS-LAB-CS

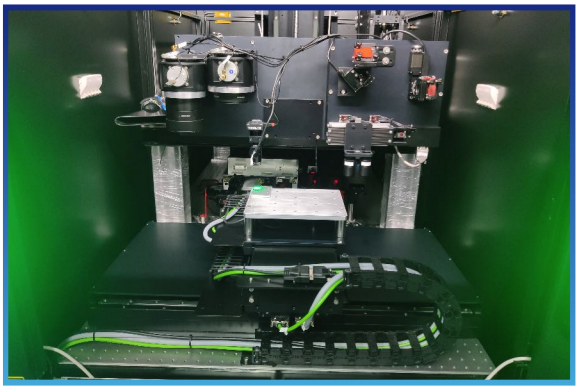
LASING
MICROSYSTEMS

C/ Julian Camarillo , 26 | Nave 7-8
28037 Madrid, Spain.
www.lasing-systems.com
info@lasing-systems.com
Tf: +34 91 377 50 06
Fx:+34 91 407 36 24

LS-LAB-CS

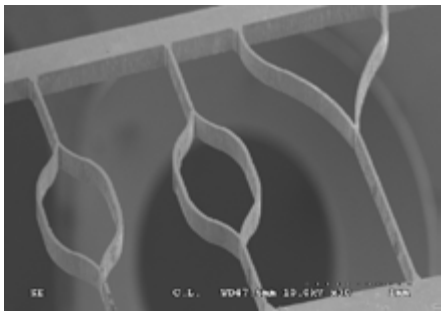
a LASING Division

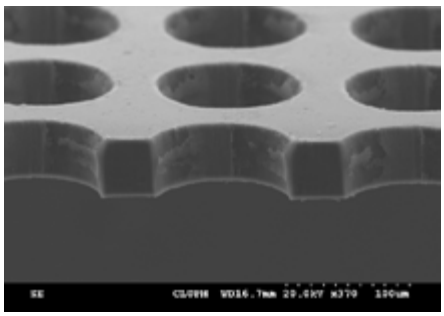
CUSTOMIZABLE LASER PROCESSING MACHINE FOR HIGH ACCURACY APPLICATIONS



LS-LAB-CS is a versatile, compact workstation designed for highly demanding laser processing applications where nano-meter resolutions and laser spots sizes down to 1 micron are required.
Based on precision granite and stainless steel honeycomb table with passible dumpers, LS-LAB-CS provides high accuracy and stability at an affordable cost, integrating advanced solutions such as closed loop surface measurement for automatic focus correction. User friendly software with a CAD GUI environment (codeless programing) ensures efficient and fast process development.

STANDARD SPECIFICATIONS





Cortesy of Laser Centre Universidad Politecnica de Madrid

Working Area	Up to 500 mm x 300 mm x 150 mm
Resolution	< 1 µm (XYZ)
Repeatability	± 1 µm (XY); ±5 µm (Z)
Accuracy	± 2.5 µm (XY); ±10 µm (Z)
Available Laser Sources	From UV to IR. Pulsed and CW
Substrate Holder	Ceramic or aluminium plate
Minimum Laser Spot Size	< 25 µm for IR
External Dimensions	< 1240 mm x 1750 mm x 2400 mm (WxDxH)
Weight	< 1800 Kg
Control Unit	2 Workstation with 23'' monitor TFT (touch)

FEATURES:

- Femtosecond laser compatible.
- 2D precise galvanometer head with integrated Through The Lens vision system.
- High precision XYZ servo positioners.
- Up to 5 interpolated Axis.
- Advanced software for easy and instuitive object design.
- Robust granite based design or stainless-steel honey-comb table with passive dumpers.*
- Class 1 enclosure.

* Depending on application and weight limitations.

OPTIONS:

- Multiple laser sources with automatic path alignment.
- Multiple fixed processing head with different magnifications.
- 4th Axis (rotation stage) interpolated with XYZ.
- Compact cutting table with pneumatic holders.
- Fume exhaust extractor with EPA filter.
- Additional options.