

Laser Cutting Systems

- Membrane Switches
- Spacers
- Plastic Films

With eurolaser you have a competent partner beside you:

- Turnkey, simple to operate system with laser cooling and (filtered) exhaust units.
- More than 9000 cutters "made in Switzerland" in operation worldwide.
- Laser beam sources only from market leaders with "sealed-off laser technology", no gas consumption, maintenance-free operation!
- Different table sizes (800x800mm to 2200x3000mm or 31,5"x31,5" to 86,6"x118") and laser beam sources (10 - 600 Watts) available, depending upon application.



Table concept to laser films and foils etc. (with camera system)

With eurolaser a flexible, modular and efficient system is available:

- High-dynamic motion system with speed up to 60m/min (39,4"/sec) and acceleration up to 7,5m/sec² (295"/sec²).
- Simple connection of available software.
- Very high efficiency also with mechanical tools from Zünd.
- No storage of mechanical punching tools necessary.
- Highly flexible possibilities of modifications.
- Freely selectable contours.



You have your production under control:

- Up to four times faster than with conventional knife cutters.
- All Layer can be cut with one processing step.
- Sealed cutting edges - no separating of individual layers or penetration of dirt.
- Contactless, wear-free cut without material movement caused by cutting tools. No material fixing necessary.
- Less working steps as with common working routines (eg milling, punching).
- Very good fitting tolerances and repeatability.
- Camera system with intelligent software for automatic cutting of printed materials with compensation for distortions.
- Fully automatic production with the options sheetfeeder or conveyor possible.



Our worldwide success is based on:

- "plug and play"
- modular concept of the systems
- world leader's precision motion system



- standard components
- customer friendly concept of our after sales service
- worldwide service with factory trained technicians

The investment in a laser system is the entry into a new technology.

It offers unlimited production possibilities. Let us help you in your evaluation process. eurolaser supports you before as well as after the installation.

We run tests to find the best working method for you.

We do not sell expensive service contracts.

eurolaser systems have a very easy to service concept:

"sealed off" laser technology:

- no use of gas,
- no laser source maintenance!

Cost of maintenance per year for mechanical and optical components normally does not exceed 1 - 1.5% of the investment costs.

**Working areas: from 800 x 800 mm to 2200 x 3000 mm
from 31,5" x 31,5" to 86,6" x 118"**

technical data:

mean static repeatability:*	± 0,02 mm 0,0008"
resolution of measuring system:	0,005 mm 0,0002"
addressable resolution:	0,01 mm 0,0004"
portal clearance:	15 (50) mm 0,59" (1,97")

*of the motion system

speed:	1 - 1000 mm / sec 0,04" - 39,4" / sec
acceleration:	max. 7,5 m / sec ² 295" / sec ²
interface:	RS232C/V24, 600...38400 Baud input buffer: 1 MB with replotfunction
software:	command set: HPGL extended data format: ASCII

class 4 laser product
IEC 60825-1: 2001
complies with 21 CFR §1040.10 and §1040.11

Further examples of laser applications are cutting / engraving of:

- Acrylics
- Carton
- Cork
- Compound material
- Wood
- Cardboard
- Textiles
- Dieboards



elh eurolaser GmbH

Glüsinger Straße 76-78

21217 Seevetal

Germany

Telephone: +49 700/e u r o l a s e r

Telephone: +49 4105/155-500

Fax: +49 4105/155-555

sales@eurolaser.com

www.eurolaser.com