

## Laser Cutting Systems for Wood, Veneer, Plywood, MDF etc.

- Marquetry, Models
- Parquet, Furniture
- Arts and Crafts,
- Craftsman, Industry

### With eurolaser you have a competent partner beside you:

- Turnkey, simple to operate system with laser cooling and (filtered) exhaust units.
- 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.

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

- High-dynamic moving system with speed up to 60m/min (39,4"/sec) and acceleration up to 7,5 m/sec<sup>2</sup> (295"/sec<sup>2</sup>).
- Simple connection of available software.
- Selfadjusting Z-axis for focus optimization with material unevenness.
- Very high efficiency also with mechanical tools from Zünd.



### You have your production under control:

- Contactless, wear-free cut without material movement caused by cutting tools. No material fixing necessary.
- Burr-free cutting.
- Freely selectable contour.
- Very good fitting tolerances and repeatability.
- No cut up or material breakage.
- No chipwood - exhaust by air means less waste.
- Positiv and negativ cut can be used - fewer cut waste.



**Our worldwide success is based on:**

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



- More than 9000 cutters "made in Switzerland" in operation worldwide
- 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")

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

\*of the motion system

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
- Plastic foils
- Cardboard
- Textiles
- Dieboards



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