

Dieboard Laser Cutting Systems

- Cut dieboards with Laser
- Samplmaking with fully compatible Zünd tools
- Rubber cutting
- Drawing



With eurolaser you have a competent partner beside you:

- Turnkey, simple to operate system with laser cooling and filtered exhaust units.
- Different table sizes and laser beam sources (10 -500 Watts) available, depending upon application.
- Laser beam sources only from market leaders with "sealed-off laser technology", no gas consumption, maintenance-free operation!



With eurolaser you cut dieboards only as box cut:

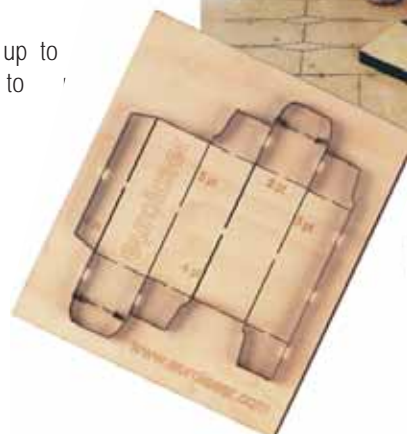
- Switching from the stripping cut to the 6-pt or wider is infinitely variable in our software.

Additionally correction values for different line types of one pointage can be defined freely in the software.

- Cutting in the focus point, therefore: less material to be evaporated, fewer emissions, smaller and lower-priced exhaust and filtering units.
- Smaller laser power necessary, therefore lower-priced systems and thus lower energy costs.
- Clean, well tolerated cuts, cut gap widths are the same on the top and bottom of the board. If necessary, the user can easily and quickly adapt in software.
- Same cutting velocity for all pointages mean simpler calculations of tenders.

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

- Simple connection of available software and direct control while using *.cf2 / *.cff files. The eurolaser software gives you the possibility of free definition of unlimited "tools" or types of cutting, e.g.: edge cutting, engraving, 2.5 pt, 3 pt etc.
- Selfadjusting Z-axis for focus optimization with material unevenness.
- Dry cutting of rubber with max. 15 degree edge with oscillating knife.
- Very high efficiency also with mechanical tools, e.g.: printing, creasing, cutting in one operation without tool changes.
- High-dynamic moving system with speed up to 60m/min. (39.4"/sec) and acceleration up to 7,5m/sec² (295"/sec²)



Our worldwide success is based on:

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



- 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 do not exceed 1 - 1.5% of the investment costs.

Our bestseller:

M-1600

working area:

appr. 1300 x 1600 mm / 51" x 63"

max. material width: 1345 mm/52,95"

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:	25 (40) mm 1" (1,6")

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

Other system sizes see main brochure from eurolaser.

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
- Textile
- Wood, Veneer



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