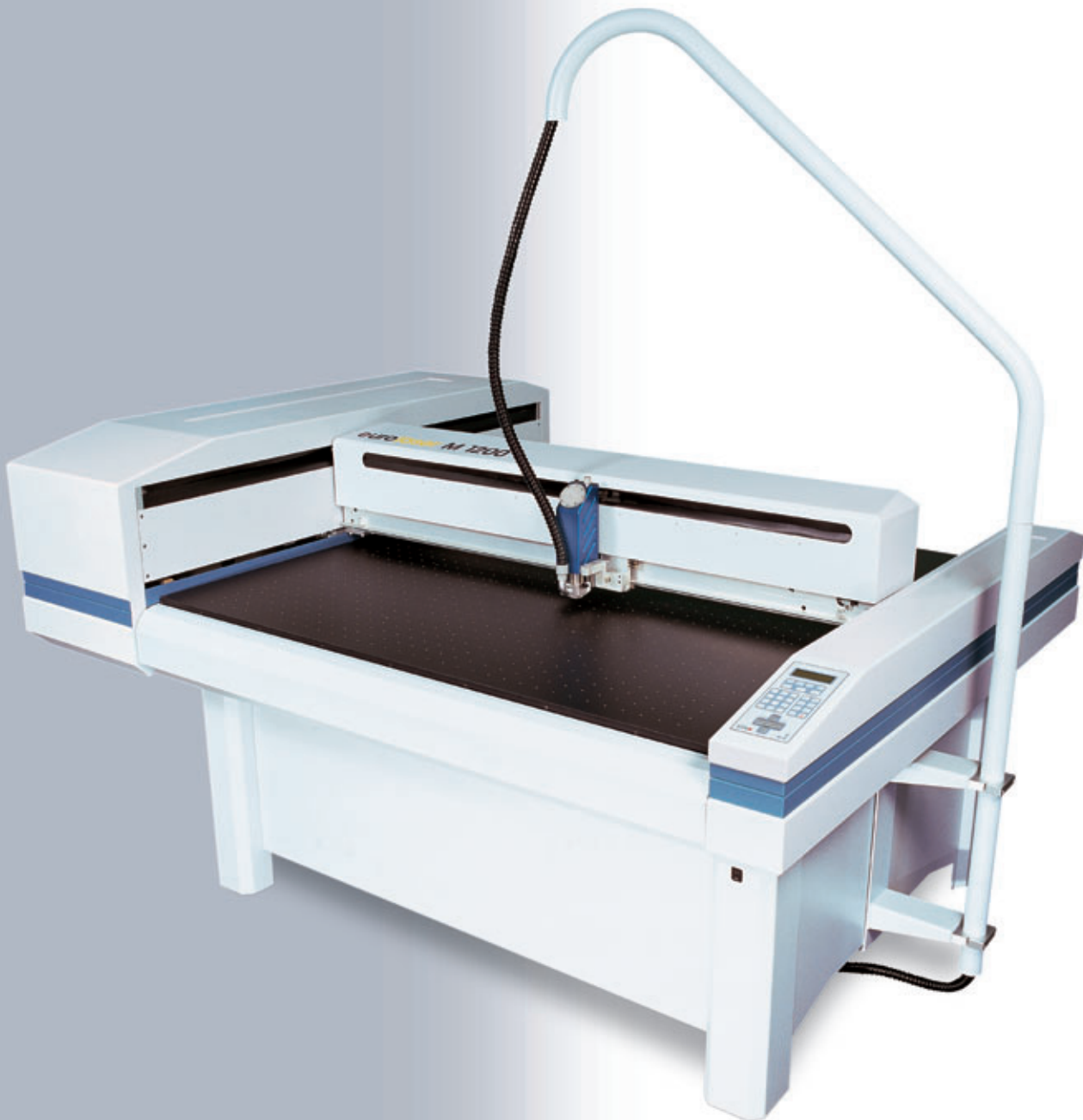


**Invest to your future.**

**eurolaser**

Partner for your success.

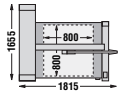
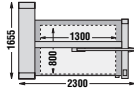
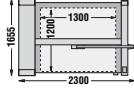
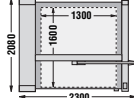
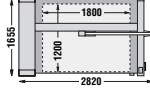
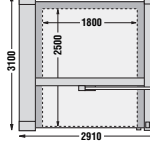
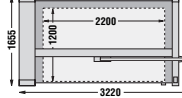
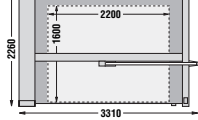
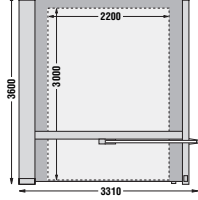
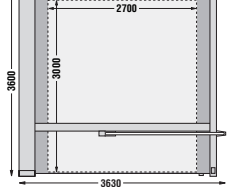


**2D/3D cutting and engraving**

NOVAMAX INTL LLC  
8200 S Quebec St Suite A-3 Englewood, CO 80112  
Phone (303) 470-7226 Fax (303) 470-5773  
Toll-Free 1-800-594-3380  
[www.novamaxinternational.com](http://www.novamaxinternational.com)

Multifunctional systems –  
future by tool variety.

eurolaser

	Working width		Model	Height	Working height	Portal clearance*	Weight
<b>S</b> <i>Line</i>	800 mm 31,5"		<b>S-800</b>	1250 mm / 49,2" with boom: 2110 mm / 83.1"	830 mm 32,7"	15 - 50 mm 0,6"-1,97"	appr. 370 kg
<b>M</b> <i>Line</i>	1300 mm 51,2"		<b>M-800</b>	1250 mm / 49,2" with boom: 2300 mm / 90,6"	830 mm 32,7"	15 - 50 mm 0,6"-1,97"	appr. 500 kg
			<b>M-1200</b>	1250 mm / 49,2" with boom: 2300 mm / 90,6"	830 mm 32,7"	15 - 50 mm 0,6"-1,97"	appr. 550 kg
			<b>M-1600</b>	1250 mm / 49,2" with boom: 2300 mm / 90,6"	830 mm 32,7"	15 - 50 mm 0,6"-1,97"	appr. 650 kg
<b>L</b> <i>Line</i>	1800 mm 71"		<b>L-1200</b>	1250 mm / 49,2" with boom: 2300 mm / 90,6"	830 mm 32,7"	15 - 50 mm 0,6"-1,97"	appr. 650 kg
			<b>L-2500</b>	1210 mm / 47,6" with boom: 3000 mm / 118,1"	800 mm 31,5"	20 - 65 mm 0,8"-2,6"	appr. 920 kg
<b>XL</b> <i>Line</i>	2200 mm 87"		<b>XL-1200</b>	1250 mm / 49,2" with boom: 3000 mm / 118,1"	830 mm 32,7"	15 - 50 mm 0,6"-1,97"	appr. 700 kg
			<b>XL-1600</b>	1210 mm / 47,6" with boom: 3000 mm / 118,1"	800 mm 31,5"	20 - 65 mm 0,8"-2,6"	appr. 870 kg
			<b>XL-3000</b>	1210 mm / 47,6" with boom: 3150 mm / 124"	800 mm 31,5"	20 - 65 mm 0,8"-2,6"	appr. 1250 kg
<b>2XL</b> <i>Line</i>	2700 mm 106,3"		<b>2XL-3000</b>	1210 mm / 47,6" with boom: 3150 mm / 124"	800 mm 31,5"	20 - 65 mm 0,8"-2,6"	appr. 1400 kg

**World-wide successful customers.  
A company target became the reference.**

**eurolaser**

**Capability and versatility of the economic eurolaser- systems**

The versatility of our modular systems are unequalled.  
Individually adapted to customers need.  
Easy to service. Upgradable.  
All together a investment for a certain future of your company.



Laser cutting - and drilling, drawing or knife cutting the next moment:  
our plug-in tool change of the optical head against a mechanical tool from Zünd makes it!

**To be a laser specialist is not enough for us. Our multi-use-systems require multi-know-how in many areas.**

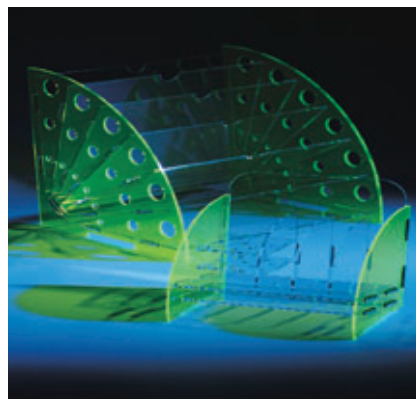
**Consulting / Application**

Our application department makes cutting or engraving trials with your materials. The samples, made in accordance with your requirements, will be sent back to you as soon as possible. Questions regarding possibilities or optimisations of your production processes will be answered by our experienced colleagues. They have a base of some thousands of reference datas available.

eurolaser researches and develops new systems, software and process optimisation in cooperation with the customers.

**Advertisement  
Acrylics / PMMA - Displays etc.**

- Polished cutting edges - independent from operators skill.
- Inner contours with the same, high quality without additional work.
- Contactless, wear-free cut without material movement caused by cutting tools. No material fixing necessary.
- No chips - exhaust by air means less waste.
- Less working steps as with common working routines (e.g. polishing).
- Burr-free cutting.
- Freely selectable contour.
- Very good fitting tolerances and repeatability.



**Plastic Foils / Films  
Membrane Switches / Spacer etc.**

- 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.
- More precise compared with punching.
- No storage of punching tools necessary.
- Modifications highly flexible possible.
- Less working steps as with common working routines (e.g. 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.



**Demand us!**

Send us a material sample of your fabrication task and you will get a sample of our solution!

Further examples of laser applications are cutting / engraving of:

- **Carton**
- **Cardboard**
- **Cork**
- **Leather**
- **Compound materials**

Knowing today  
what secures your competitiveness tomorrow.

eurolaser

**Textile**

- Flexible sample production.
- Mass-production with conveyor - cutting and collecting of cut pieces at the same time.



- Contactless, wear-free cut without material movement caused by cutting tools. Thus no distortion by mechanical tool.
- No seaming with most synthetic textiles necessary. Fused edges will not fray out !
- Options:  
Marking system e.g. for sewing lines, unwind systems, camera system with intelligent software for automatic cutting of printed textiles with compensation for distortions, table extension (table size then approx. 1800 x 5400 mm (71" x 213")), automatic cleaning unit for the conveyor, and much more.
- Other concepts without conveyor but with static table for textiles available.



**Dieboard  
Sample Production**

- Less working steps compared with traditional methods. (drilling, sawing, correcting the steel lines etc.)
- Cutting in the focus point, therefore:
  - less material to be evaporated,
  - fewer emissions,
  - smaller and lower-priced exhaust 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 means simpler calculations of tenders.
- Switching from the stripping cut to the 6-pt or wider is infinitely variable in our software. Additional correction values for different line types of one pointage can be defined freely in the software. Simple connection of available software and direct control while using \*.cf2 / \*.cff / \*.dides files. The eurolaser software gives you the possibility of free definition of unlimited different "tools" or types of cutting, e.g.: edge cutting, engraving, 1.5pt, 3pt etc.
- Selfadjusting Z-axis for focus optimization with material unevenness.
- Bridge routing option.
- Very high efficiency also with mechanical tools from Zünd, e.g.: printing, creasing, cutting in one operation without tool changes.



**Wood / Veneer / Marquetry  
Multiplex, MDF etc.**

- 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.
- Selfadjusting Z-axis for focus optimization with material unevenness.



Future-proof through standards...

eurolaser

**Service**

We sell plug-and-play systems with sealed-off laser technology - no gas consumption.

The laser sources are generally maintenance-free.

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



Material support to work with acrylics.



Material support to work with dieboards.



Material support to work with textiles, with option conveyor.



Material support to work with veneer or plastic foils. Camera system adapted.

**Training**

The investment in a laser system is the entry into a new technology. Let us help you in your evaluation process. eurolaser supports you before as well as after the installation. eurolaser offers special training courses for your technicians.

**Straight-line, innovative and flexibel**

Individual systems but coordinated components - eurolaser ensures the reliability and the productivity of the systems to achieve optimal processes in your production.

By this integrated approach eurolaser becomes a perfect solution finder and the best partner for craftsman and industry.

Our factory trained technicians travel around the world to support our customers.

The availability of manufacturing facilities must be ensured always.



eurolaser worldwide

EUROLASER GMBH - Germany



NOVAMAX INTL LLC  
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Phone (303) 470-7226 Fax (303) 470-5773  
Toll-Free 1-800-594-3380  
www.novamaxinternational.com

**Specifications**

Mean static repeatability . . . . . ± 0,02 mm / ± 0,0008"  
 Resolution of measuring system 0,005 mm / 0,0002"  
 Addressable resolution . . . . . 0,01 mm / 0,0004"  
 Speed . . . . . 1 - 1000 mm/sec / 0,04" - 39,4" per sec  
 Acceleration . . . . . max. 7,5 m/sec<sup>2</sup> / max 295"/sec<sup>2</sup>, depending upon table sizes and options.

Interface . . . . . RS 232C/V24, 600—38400 Baud, input buffer: 1MB with replotfunction.  
 Software . . . . . command set: HPGL extended, data format ASCII.  
 Elektronik control . . . . . easy to service, exchangeable electronic box,  
 4-axis control X,Y,T,Z,  
 variable, look-ahead vector control,  
 integrated diagnosis functions.  
 Power supply . . . . . • Voltage: alternatively 210, 220, 230, 400 V +10/-5%.  
 • Frequency: alternatively 50 or 60 Hz.  
 • Power consumption: 4 - 30 kVA incl. cooling and exhaust units  
 (depending upon laser power and options)

Mechanical construction . . . . . rugged, welded construction from Zünd:  
 torsion-resistant, super dynamic gantry,  
 modern precision driving mechanism: all axes with DC-Servomotors,  
 beam protection with access protection,  
 modular, exchangeable material support concepts.

Options . . . . . • exhaust- and filtering units for rough and fine grains and for gases.  
 • power adapted water/air cooling units, FCKW-free,  
 with electronic temperature control and monitoring functions.  
 • pressure-air and purge air units.  
 • Pilotlaser.  
 • i-cut, digital camera positioning system.  
 • Conveyor.  
 • Sheetfeeder.  
 • Cutting and material supply simultaneously by special material supports.  
 • 3D-raster engraving (256 colours).  
 • Software driver for standard graphic software.  
 • Mechanical tool heads (for standard version): all available  
 tools heads of company Zünd, eg.: milling and engraving,  
 tangential module with oscillating knives etc.  
 • Other options by request.



Environment . . . . . Operating temperature: +10°C to +35°C  
 Storage temperature: +5°C to +45°C  
 Relative humidity: max. 80%, non condensing

Laser equipment . . . . . • Integrated gaslaser (CO<sub>2</sub>) with sealed-off resonator, absolutely maintenance-free.  
 • Laser power from 10W to 600W.  
 • Adjustable laserpower, security and verifying devices.  
 • Focal length alternatively 1,5" / 2,5" / 5" or 7,5".  
 • High-quality beam guidance and beam shape components to optimize the cutting and engraving quality.