eurolaser®

High-End Laser Cutting Systems

Simply thought intelligence: The eurolaser modular concept

Efficient technology made in Germany
eurolaser solutions

+ Modularity for versatile expandable laser systems

+ Maximum flexibility for every application

+ Automation solutions for more productivity

+ Versatile software modules

+ Excellent results

+ Highest precision and consistently high cutting quality

+ Non-contact and chip-free laser processing

+ Reliability thanks to market-proven technology

+ Process-safe and durable thanks to high quality

Reliably on your side
Focussed on your success

+ Know-how and many years of experience

+ Extensive material tests before purchase

+ Advice and process optimisation

+ Excellent customer support worldwide

+ Warranty extension up to 5 years

+ Easy delivery and installation

+ System and application training

+ Fast availability of spare parts

+ Trade-in, leasing and financing

High-end laser systems
More about our laser system solutions can be found at **www.eurolaser.com**

Suitable for your application
eurolaser table sizes

With 10 different system sizes and the laser powers from 60 – 650 watts adapted to your requirements, we offer the optimum solution for your application.
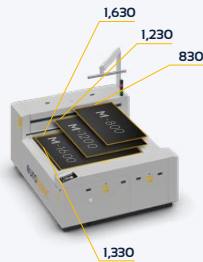
M-LINE

> **M**-800
Working area: 1,330 x 830 mm (52.3" x 32.6")
Laser power: 60 – 450 Watt

> **M**-1200
Working area: 1,330 x 1,230 mm (52.3" x 48.4")
Laser power: 60 – 450 Watt

> **M**-1600
Working area: 1,330 x 1,630 mm (52.3" x 64.1")
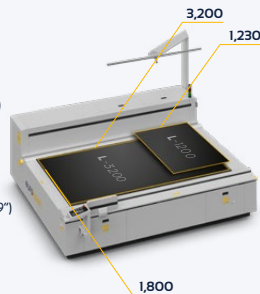Laser power: 60 – 650 Watt

1,630
1,230
830
1,330

L-LINE

> **L**-1200
Working area: 1,800 x 1,230 mm (70.8" x 48.4")
Laser power: 60 – 450 Watt

> **L**-3200
Working area: 1,800 x 3,200 mm (70.8" x 125.9")
Laser power: 60 – 650 Watt

3,200
1,230
1,800

eurolaser products
You will find more information on our products at **www.eurolaser.com**
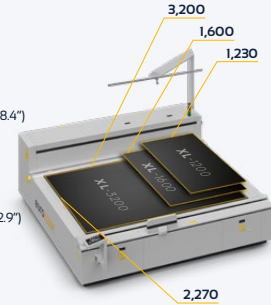
XL-LINE

> **XL**-1200
Working area: 2,270 x 1,230 mm (89.3" x 48.4")
Laser power: 60 – 450 Watt

> **XL**-1600
Working area: 2,270 x 1,600 mm (89.3" x 62.9")
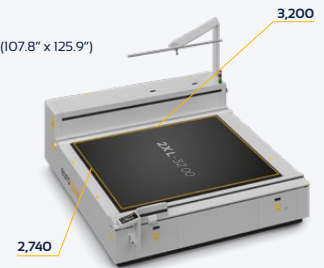Laser power: 60 – 650 Watt

> **XL**-3200
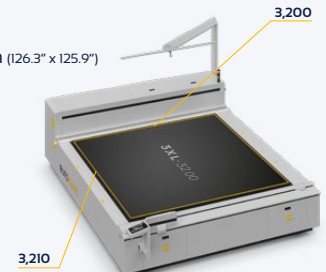Working area: 2,270 x 3,200 mm (89.3" x 125.9")
Laser power: 60 – 650 Watt

3,200
1,600
1,230
2,270

2XL-LINE

> **2XL**-3200
Working area: 2,740 x 3,200 mm (107.8" x 125.9")
Laser power: 60 – 650 Watt

3,200
2,740

3XL-LINE

> **3XL**-3200
Working area: 3,210 x 3,200 mm (126.3" x 125.9")
Laser power: 60 – 650 Watt

3,200
3,210

Increase economic efficiency
eurolaser Remote Operation
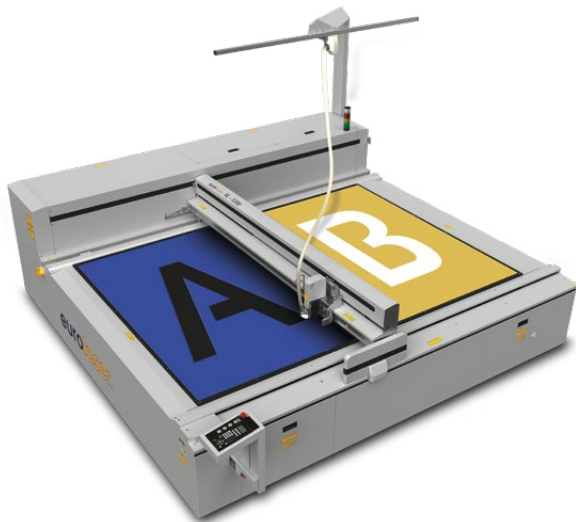
Your benefits

+ Increase in productivity

+ Loading during cutting process

+ Minimization of process breaks

+ Safety concept for material removal and loading

eurolaser Remote Operation
Watch the video on this
automation at **eurolaser.tv**

Double productivity
eurolaser Shuttle Table System

Easy exchange of the material supports

Free access to the material

Your benefits

+ Up to 75 % increased system utilization

+ Loading and unloading parallel to the cutting process

+ Automatic table change

+ Minimized downtime

+ Easier access to the produced pieces
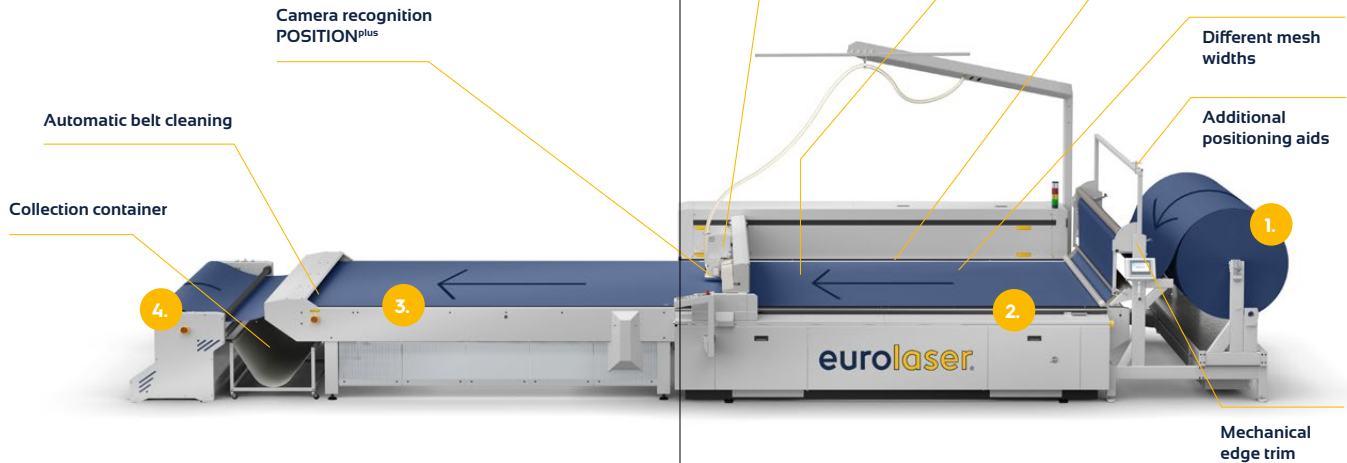
+ Robot connection possible

eurolaser Shuttle Table System
Watch the video on this
automation at **eurolaser.tv**

eurolaser.

Process automation
eurolaser Conveyor System

Different marking modules

Adjustable exhaust units

Guide rail system

Different mesh widths

Additional positioning aids

Camera recognition POSITION^{plus}

Automatic belt cleaning

Collection container

Mechanical edge trim

1. **2.** **3.** **4.**

1. Feeding unit

Automated feeding of roll material
with edge control for precise material position.

2. Conveyor belt

Durable stainless steel wire mesh belts for gentle
material transport.

3. Table extension

Flexible and easily accessible material removal during
the machining process.

4. Winding unit

Even winding of already processed textiles.

eurolaser Conveyor System
More information on the Conveyor System
can be found at **eurolaser.com**

Your benefits

+ Increased efficiency

+ Automatic material unwinding and feeding

+ Material removal during the cutting process

+ No fabric distortion due to tension-free
  material feed

+ Precise placement of the material on the
  processing table

+ Material fixation during cutting

+ Continuous cutting for very large formats

+ Smartfeed for optimum feed rate to match to the
  cutting data

Printed Material
eurolaser POSITION^{plus}

Your benefits

+ Precise cuts along the print contour

+ Cutting textiles with patterns to match the layout (Pattern Matching)

+ Automatic creation of cutting data by contour detection (even without existing job data)

+ Optimum cutting results by compensating for deviations in the print, e.g. shrinkage, stretching and twists in the material

+ Minimum machine setup times

+ Faster processing speed

+ High process reliability

+ Automation of work processes

eurolaser POSITION^{plus}
Watch the video on this
option at **eurolaser.tv**

Picture engravings
eurolaser PICTURE^{plus}

Your benefits

+ Creation of 2D images and 3D reliefs in photo quality

+ Engravings in large format on the entire working area

+ Cutting and engraving in one operation

+ Up to 256 gray levels and a resolution of up to 1200 dpi

+ Reduced cleaning effort due to chipless machining

+ Time-saving, since tool changes and clamping of workpieces are no longer necessary

eurolaser PICTURE^{plus}
Watch the video on this
option at **eurolaser.tv**

3 in 1

laser plus two mechanical tools

Maximum versatility
Additional tools parallel to the laser

+ Up to three tools in parallel on one machine

+ Countless combination possibilities

+ High-quality, market-proven tools from Zünd Systemtechnik AG

+ Can be combined with marking modules and camera systems for printed materials

ZÜND
swiss cutting systems

eurolaser 3 in 1
Watch the video on this
options at **eurolaser.tv**

Labeling, inscribing, marking
eurolaser marking modules

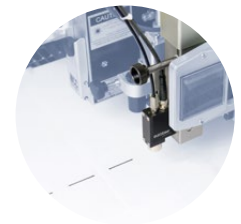With the eurolaser marking modules you can cut and mark your materials in one work step.

Ink Printer Modul
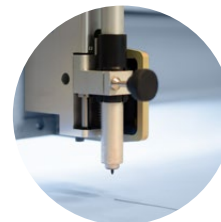
Marking of workpieces or labels
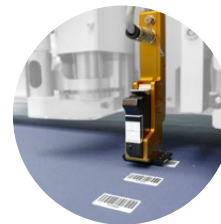
Ink Marker Modul

Non-contact markings, e.g. for sewing marks

Marking Modul

Drawing seams, patterns and auxiliary lines

Label Modul

Fast and flexible labeling

eurolaser additional options
Watch the video on these additional
options at **eurolaser.tv**

Optimum cutting results
eurolaser table concepts

Our modular eurolaser table concepts tailored to your application with a sophisticated material support concept allow you to use your laser system optimally and multifunctionally.

Raster plate (RP)

Perfect for your acrylic applications

+ Absorption surface reduces reflection of excess laser energy
+ Easy to clean table concept
+ Suitable for sensitive materials

Honeycomb (HC)

Our specialist for foils and wood

+ Honeycomb structure is highly stable
+ Allows good vacuum formation under the material
+ Suitable for flat, unstable materials

Conveyor (CON)

Cutting textiles straight from the roll

+ Stainless steel wire mesh
+ Serves as material carrier and transport element at the same time
+ Suitable for light, thin and flexible materials

PIN Concept (PC)

For high laser powers

+ Stable brass or PMMA support pins
+ Suitable for high laser powers and increased smoke emissions
+ E.g. for cutting dies and wood processing > 10 mm
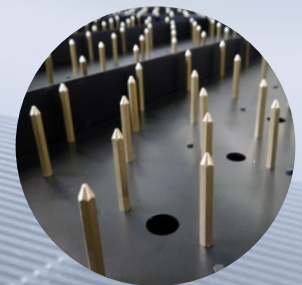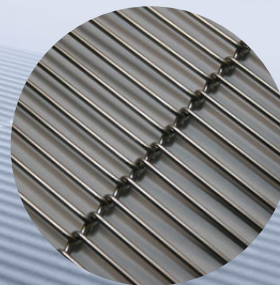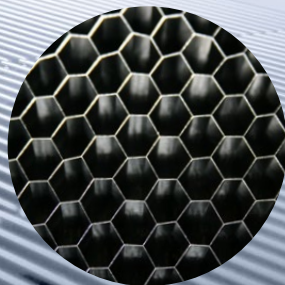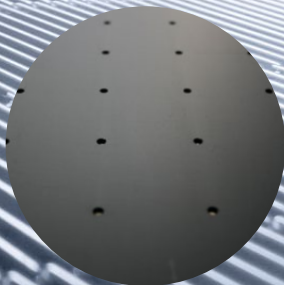
eurolaser table concepts
Find out more about our table concepts at **eurolaser.com**

Automotive / Mobility
Precise and efficient production

- Interior trim and upholstery
- Heat and cable protection
- Air and liquid filters
- Adhesive foils
- Passenger detection sensors
- Fittings
- Product labels (safety-relevant components)
- Signs / labels
- Radar foils
- Number plates
- Seals (engine compartment, doors, windows)
- Battery housing (e.g. made from micanite)
- Flexible printed circuits (fittings)
- Bodywork and lightweight design made of composite materials (doors, door trims, side impact protection)
- and much more

eurolaser markets
More on the automotive topic can be found at **eurolaser.com**

Living / commercial spaces
Individual and automated cutting

- Sun protection
- Photo prints
- Large format / relief engravings
- Furniture
- Veneer inlays
- Home textiles
- Curtains / blackout
- Roof
- Soundproofing
- Lampshades
- Cushions
- Furniture foils
- Floor coverings
- and much more

eurolaser markets
More on the topic of living spaces can be found at **eurolaser.com**

eurolaser

Clothing industry
Contactless processing without material distortion

+ Sport & leisure
+ Orthoses / insoles
+ Fashion & design
+ Work clothing
+ Personal protective equipment
+ Textile protective masks
+ Corporate branding

+ Shoes
+ On-demand / individualisation
+ Face shields
+ Textile finishing with laser engraving
+ and much more
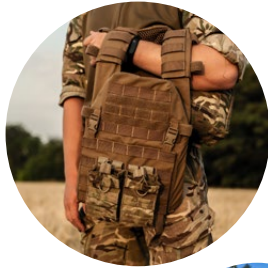
eurolaser markets
More on the topic of clothing can be found at **eurolaser.com**

Advertising / Point of Sale
Printed, engraved, illuminated

© Effekt Grafik Werbeträger GmbH & Co. KG, Germany

© G. Beneke GmbH, Germany

© Fahnen-Gärtner GmbH, Austria

+ Displays
+ Exhibition stand/store construction
+ Soft signage
+ Shop design / interior design
+ Signs
+ Lettering
+ Inscriptions
+ 3D letters
+ Claddings
+ Customer signage systems

+ Display window design
+ Acrylic images
+ Advertising materials
+ Decoration
+ Foil inscriptions
+ Pull-up displays
+ Light banner
+ Lightbox
+ Shelf systems
+ LED backlight
+ and much more

eurolaser markets
More on the topic of advertising can be found at **eurolaser.com**

Other application options
Textile variety

+ Filters
+ Foam materials / inlays
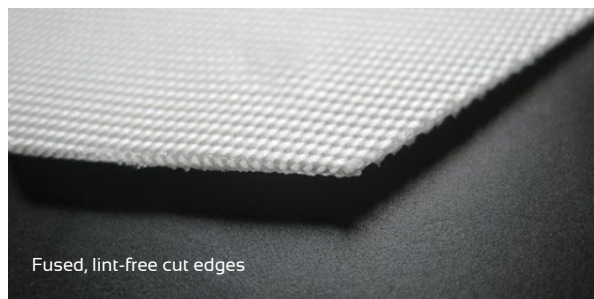+ Textile silos / big bags
+ Ventilation ducts

© A.B.S. Silo- und Förderanlagen GmbH, Germany

© SEKISUI ALVEO GmbH, Germany

© KE Fibertec AS, Denmark

Fused, lint-free cut edges
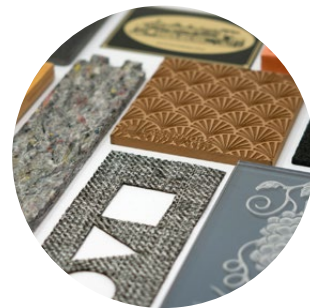
Textiles
Watch the video about textile processing at **eurolaser.tv**

Other application options
Perfect in shape

+ Sound-absorbing elements / acoustic walls
+ Wood crafts
+ Sustainable materials
+ Laser cutting as a service

© Wrappy ApS, Denmark

Filigree cuts with no material damage

Wood, veneer & MDF
Watch the video about wood processing at **eurolaser.tv**

eurolaser

Other markets

21

Other application options
High-tech for high-tech

+ Keyboard foils / control elements

+ Special foils

+ Front panels / décor foils

+ Prototyping / universities

© Beyond Gravity Austria GmbH, Austria (photo: Noe Flum)
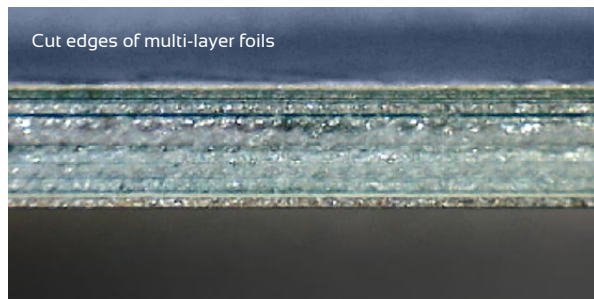
Cut edges of multi-layer foils

Foils
Watch the video about foil
processing at **eurolaser.tv**

Other application options
Fast & sharp

+ Model making / architecture

+ Sprue separation

+ Toys

+ Composites

© RUST Modellbau + Kunststofftechnik, Germany

Silk-matt engravings
in acrylic

Acrylic
Watch the video about acrylic
processing at **urolaser.tv**

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