eurolaser®

High-End Laser Cutting Systems

ENGLISH

Products + technology

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

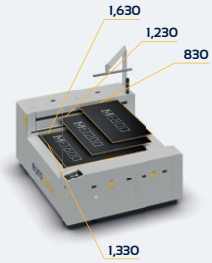
With 10 different system sizes and the laser powers from 60 – 650 watts adapted to your requirements, we offer the optimum solution for your application.

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

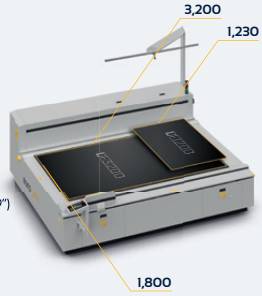
M-1600
Working area: 1,330 x 1,630 mm (52.3" x 64.1")
Laser power: 60 – 650 Watt



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

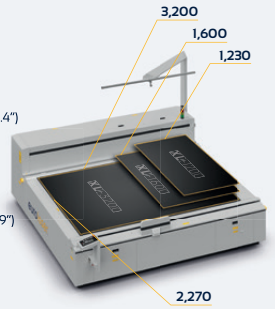


XL-LINE

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

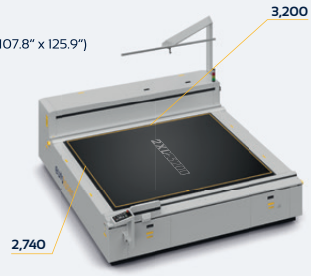
XL-1600
Working area: 2,270 x 1,600 mm (89.3" x 62.9")
Laser power: 60 – 650 Watt

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



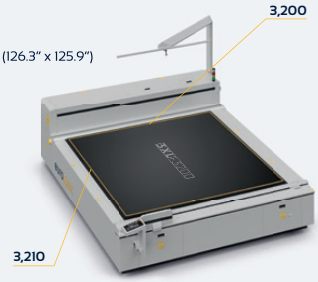
2XL-LINE

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



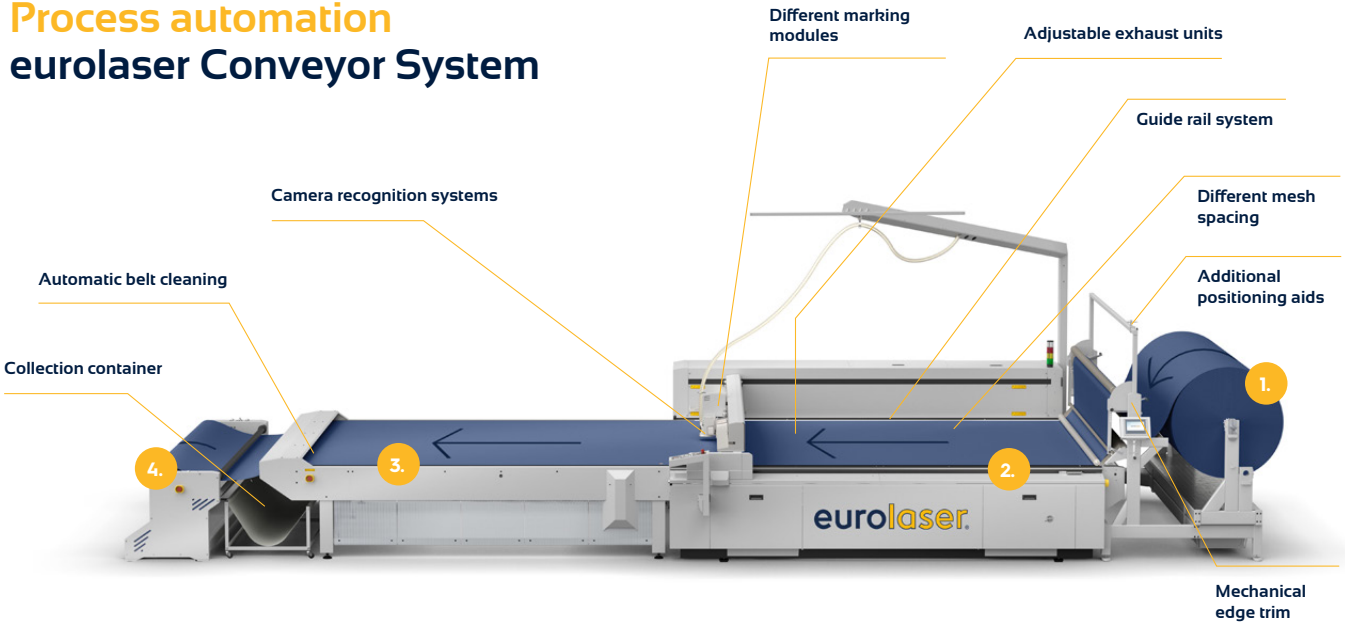
3XL-LINE

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



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

Process automation
eurolaser Conveyor System



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.

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

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

Increase profitability
eurolaser Twin Table System

Your benefits

+ Permanent vacuum under the workpiece for optimum material position
+ No slipping during the shuttle process
+ Maximum precision, even with multiple process steps
+ Easier access to the produced pieces thanks to movable material carriers
+ Minimisation of process breaks thanks to the two table modules
+ Robot loading possible (24/7 operation)

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

Double productivity
eurolaser Shuttle Table System

Easy exchange of the material supports

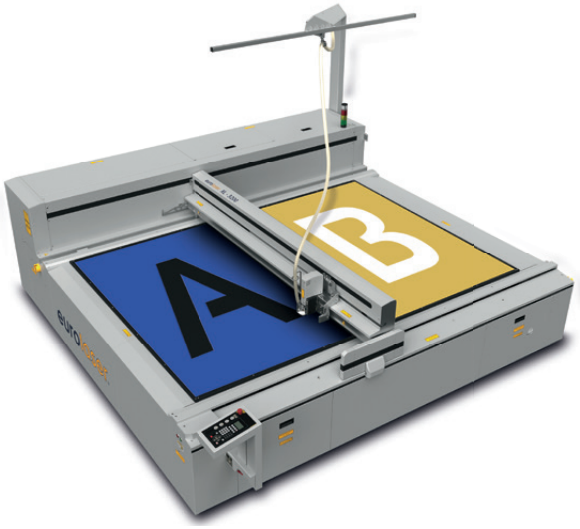
Free access to the material

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**

Increase economic efficiency
eurolaser Remote Operation

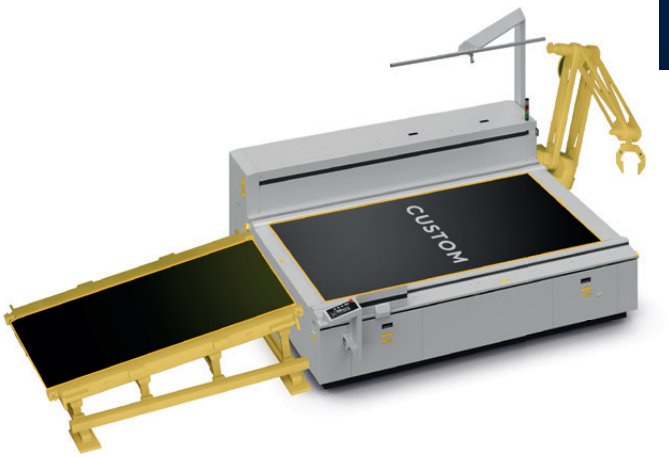


Your benefits

+ 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**

Customised cutting solutions
eurolaser special machines



Your benefits

+ Fast, efficient realisation of individual ideas
+ More than 30 years of experience
+ High-tech made in Germany
+ Support from a single source – from planning to after-sales service
+ Cross-industry expertise
+ CE-compliant and DIN EN ISO 9001 certified

eurolaser customised machines
You can find out more about customised laser cutting solutions at **eurolaser.com**

Printed Material
eurolaser POSITION+

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+
Watch the video on this option at **eurolaser.tv**

Picture engravings
eurolaser PICTURE+

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+
Watch the video on this option at **eurolaser.tv**

3 in 1

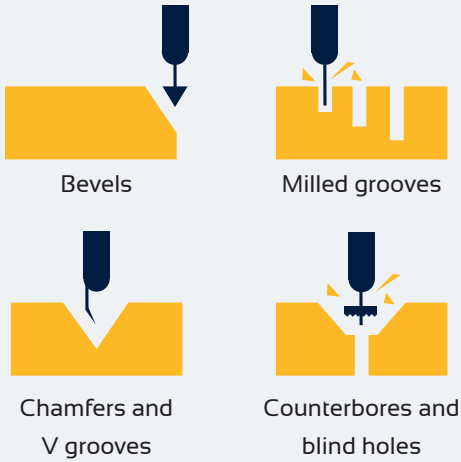
laser plus two mechanical tools

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

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

Processing options in parallel to lasering:



Bevels

Milled grooves

Chamfers and V grooves

Counterbores and blind holes

Additional materials:

PVC plates, foils and foams

Teflon®- and metal-coated materials

Stronger PU foams

Stronger polycarbonate panels

Cardboard and cartons in sandwich design

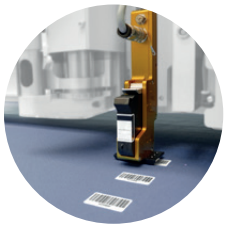
Unsuitable composites for the laser

Labeling, inscribing, marking
eurolaser marking modules

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

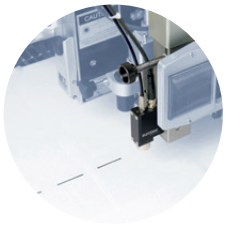
Ink Printer Modul

Marking of workpieces or labels



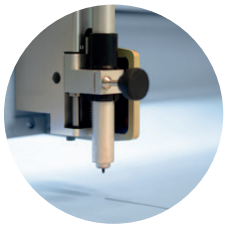
Ink Marker Modul

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



Marking Modul

Drawing seams, patterns and auxiliary lines

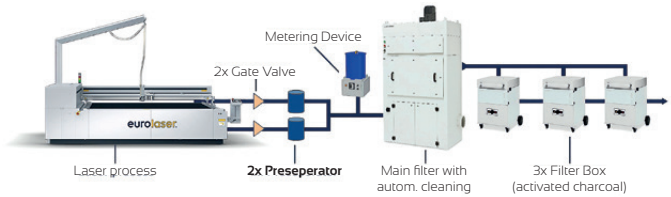


Label Modul

Fast and flexible labeling

Trendsetting ecology standards:
eurolaser filter concepts

Our exhaust solution ensures optimum cutting results and makes an important contribution to occupational safety and environmental protection with the suitable filter units.



Your benefits

+ Complete extraction of the emissions
+ Meeting of relevant occupational and environmental protection aspects
+ Multi-stage filter concept with activated charcoal, fine dust particle and micro-particle filtering
+ Automatic filter cleaning mode, lower testing and maintenance costs
+ Industrial solutions with multi-machine connections possible
+ Energy- and cost-efficient filter technology
+ Approved for use in industrial, residential areas and eco-certified operations

eurolaser marking modules
Watch the video on the marking modules at **eurolaser.tv**

eurolaser exhaust and filter concepts
Find out more about our exhaust and filter concepts at **eurolaser.com**

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)

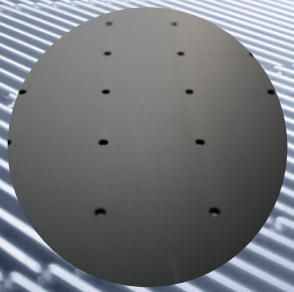
Cutting textiles straight from the roll

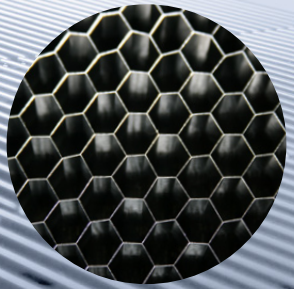
+ Stainless steel wire mesh
+ Serves as material carrier and transport element at the same time
+ Suitable for light, thin and flexible materials

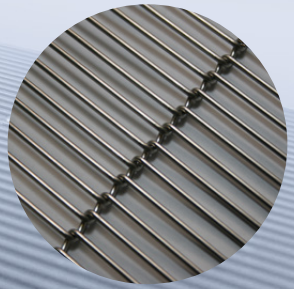
PIN Concept (PC)

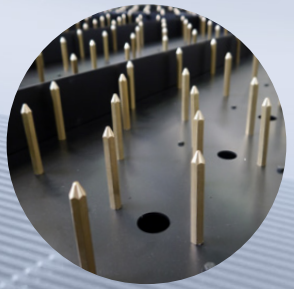
For high laser powers

+ 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**

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

+ 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

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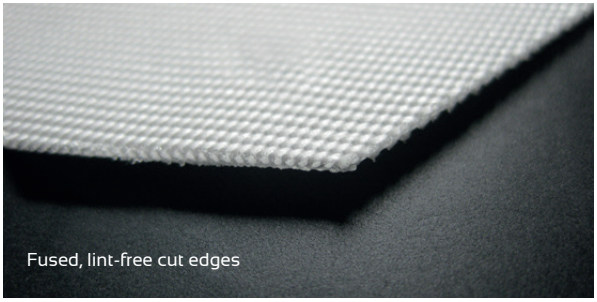

Fused, lint-free cut edges

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

Textiles
Watch the video about textile processing at **eurolaser.tv**

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

Other application options
High-tech for high-tech

+ Keyboard foils / control elements
+ Special foils
+ Front panels / décor foils
+ Prototyping / universities

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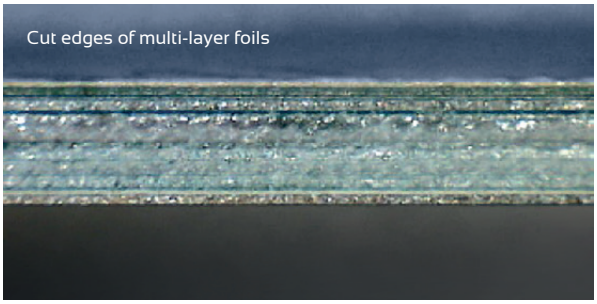

Cut edges of multi-layer foils

Other application options
Fast & sharp

+ Model making / architecture
+ Sprue separation
+ Toys
+ Composites

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Silk-matt engravings
in acrylic

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

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

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