eurolaser®

Discover the fascinating world of laser technology.

We emphasise cooperative partnership from the beginning. Our customers have been pioneering in many areas of application together with eurolaser.

Looking back, this courage has paid off. It is precisely this openness to act differently and implement innovative ideas pragmatically and quickly, far from well-trodden paths, which has gained many of our customers market leading positions. We can be proud of this achievement together.

And we keep growing – together with our customers and their challenges.

eurolaser founder and visionary
Dipl.-Ing. Matthias Kluczinski

Welcome to eurolaser

High-end laser cutting systems

Pioneer, partner, technology leader: We are eurolaser

from page 6

Simply thought intelligence: The eurolaser modular concept

Products + technology from page 16

Well looked after globally: Our service

from page 42

As versatile as your ideas: eurolaser markets

eurolaser markets from page 50

Your contact to eurolaser

Page 64

Contents

We are eurolaser.

Customers in more than **70** countries use eurolaser systems daily.

Around **100** employees are there for you at the Lüneburg site.

We are proud of already more than **1,300** successful customer projects.

Take advantage of our more than **10,000** successful material samplings.

Pioneer, partner, technology leader:
We are eurolaser

What others would describe as their mission, we have pragmatically made this our vocation in 1994: "Make". Our focus is on the quick reaction, the creative, customised manufacturing solution and the consistently excellent quality of the results for our customers.

And we are unconventional and brave in this pursuit: We ask questions, test, try out, convert – to achieve the optimum result together with you. The standard we set ourselves is high: We want to continue to actively move the market and design the future of laser processing together with our customers.

1994
Foundation of eurolaser by Matthias Kluczinski and partner in Hamburg

1996
Building of an application centre for material tests as the basis for customer-oriented, technical further development

1999
Expansion of production and move to Seevetal

2000
Development of the conveyor system, automatic roll unwinding and material feed for textiles

From the garage into the whole world:
Leading in laser technology

Some success stories start in a garage. And this was the case when Matthias Kluczinski founded eurolaser in 1994 with three partners at the time: They assembled the first manufacturing machines based on laser technology into the night, and in the day, customers were sought.

Today, eurolaser is a globally operating enterprise, and is one of the market leaders for large-format laser systems in non-metallic machining. One thing has not changed: Our systems are productive, durable and simple – and their modular concept makes them so flexible that they can be individually configured for your requirements, and upgraded as needed.

As internationally operating system supplier for high-end laser processing systems, we stand for comprehensive technology know-how, excellent quality and a trusting, cooperative commitment. Therefore, reliability, long-term liability and open communication are clear characteristic values of our company philosophy. We are in close contact with our international network of customers and cooperation partners, to continuously improve our products and services.

This means that over the decades, a comprehensive, unique material database has been established, with machining parameters, which will quickly outline your options with regard to laser processing. With our consistent customer orientation as driver for innovative solutions, we can respond dynamically to new market situations, and are steadily developing our modular concept and unique eurolaser service across the entire product lifecycle further.

At eurolaser, we are always setting new standards on the market with our ideas, and your challenges encourage us to continue to grow as innovative and reliable partner in the future.

2002
www.eurolaser.com goes online

2004
Development of the eurolaser raster engraving option for engraving on the complete working area

2006
Development of the eurolaser shuttle table system to increase efficiency by 75%

2009
Move to Lüneburg and expansion of the production area to 5,000 qm

2012
New generation: Conversion of the entire product range to the new S3/G3 motion control system from Zünd

> What left a lasting impression was the top support we received from the eurolaser employees. I was looking for a machine solution, which would enable me to machine the bulk of our materials to be cut. A prerequisite was to use nesting-optimised production orders directly from our ERP software. We successfully implemented this project together with eurolaser.

Michael Ulm, Authorised Officer, Tegos GmbH & Co. KG, Germany

eurolaser company management 2023: from left Laura Capone, Thorsten Brandt, Lynn Engler, Kim Dittmer

Values instead of advertising promise: Our guiding values

Trust is created when quality, service and personal commitment are reconciled with the right values. From the start, five values are particularly important for our actions. They have always accompanied the path of eurolaser, and still apply today.

We are flexible.

The flexibility to respond to customer requests quickly and in a straightforward manner characterises our actions. This value is also reflected in the modular design, the upgradeability and range of our applications of our laser systems.

We are reliable.

"Not just talking, but doing!" For us, reliability is the crucial component for successful cooperation – in-house, as well as towards our partners and customers. You can rely on us.

We are cooperative.

We emphasise a cooperative, long-term cooperation on an equal footing, which is based on trust. Many of our customers, suppliers and partners worldwide have already been working very closely with us for many years. Our continuous exchange of information with customers from all market segments of trade and industry enables us to provide you with a unique, wide-ranging, cross-sector horizon of knowledge and experience.

We are innovative.

For us as a technology company, one thought always accompanies every action: To use laser technology, which is superior to many conventional production processes, more successfully for the business of our customers. A lot of pioneering work has already been done cooperatively for the further development of laser processing in trade and industry, and we want to create innovative production alternatives for the future as well.

We make things simple.

We want to simplify things according to the motto "Keep it straight and simple". This starts with daily work, and ends with customer-oriented solutions, which simplify the life and work of our customers.

This makes us stand out:
Benefits for you that pay off

Quality made in Germany

Our aspiration: Good is not good enough for us. We stand for durable systems and excellent results for highest demands. The high-quality components are assembled by qualified specialist personnel at our location in Lüneburg.

INNOVATION
made in
Germany

Customer focus

The demands placed on industrial cutting processes are high – and we aspire to find the optimum solution. Consistent customer focus is the driver for our innovations, and forms the basis for a sustained and trusting cooperation.

Reliability

Whether it is product quality or service: You can rely on us – always. We aim for reliable partnerships, and keep our word.

Problem-solving competence

No ready-made solution: Together with our team of experts, we analyse the actual situation upfront, and develop the most efficient and individual system configuration together with you – on site, if preferred.

Openness

Thanks to our modular concept, we are able to always keep the individual components up-to-date, and to integrate new technologies. Our aim is to optimally design your workflow.

Experience

Benefit from our comprehensive expert knowledge, more than 25 years experience and our active network of customers and cooperation partners.

A clear position:
Sustainability means responsibility

We work with trendsetting technologies daily, and tackle ecological, economical and social challenges – internally, as well as at our customers. And we would not be eurolaser if we had not established a consistent regulatory system for these fundamental topics, which comprises the following points in the eurolaser sustainability concept in detail, and is implemented internally as well as when dealing with our partners.

- Consideration of people and environment
- Use of renewable energies
- Minimised CO_2 emissions
- Regional suppliers and service providers
- Durability of products
- Sustainable use of raw materials and recyclable products
- Extension of the product lifecycle
- Technical efficiency
- Filtering of cutting emissions
- Healthy working environment
- Excellent training and further education
- Social commitment
- Minimised use of energy, e.g. through adjustable extractions
- Global compact

the eurolaser **sustainability concept**

With our eurolaser sustainability concept, we are setting clear and binding company standards for ourselves, our suppliers and customers – and for a more sustainable, social and future-proof world.

eurolaser sustainability
Details on the eurolaser sustainability concept can be found at **eurolaser.com**

Products + technology

Simply thought intelligence: The eurolaser modular concept

Quality and multifunctionality rethought: With our modules and versatile additional options, we offer you the individual scalable system solution for your processing requirement.

High-end laser systems
You will find more information on our laser system solutions at **www.eurolaser.com**

eurolaser products + technology solutions

Productivity and highest precision:
Your technology benefits at a glance

Contactless processing

Your material is cut contactless, so that there is no breakage, material distortion or squashing. Loading is very easy and the workpieces do not need to be fixed.

High level of precision without tool radius

Laser processing is done with the highest precision, even very filigree details are cut exactly. As the laser beam itself is ultra-thin (approx. 0.1 – 0.3 mm), also cut inner contours radius-free, without taking the tool diameter into account. There is no overcutting in case of changes of direction.

Consistently high cutting quality

Compared to other machining processes, the laser does not become blunt over time. The quality of your cuts remains consistently high for many years, from the first workpiece to the last.

No tool change

As there is almost no wear for lasers, tool changes are not necessary. The tool and maintenance costs as well as downtimes of your production system are minimal.

Chip-free machining

Contactless machining prevents the formation of chips and dust. Your cleaning effort is thus significantly reduced. There is no contamination on your workpieces or the machine.

No tool cleaning

The laser saves you time having to sharpen or clean tools. Even for difficult applications such as very adhesive foils, there is no adhesive residue stuck to the tools.

Perfect cut edges without post-processing

The thermal cutting process of the laser is very advantageous for many applications. Non-fraying, slightly fused cut edges in case of synthetic textiles (cut & seal), sealed cut edges in case of multi-layer foils or the crystal clear, smooth cut edges in acrylic are just some examples.

Very flexible contour alignment

You can easily and quickly align contour changes in the software, and directly issue them to your laser. Costly, tedious tool construction and storage, like for punching moulds, is not required at all.

Process cost savings

You can use the parts produced by the laser directly after machining, without the need to consider further machining steps (such as drying processes for water cutting applications).

Contactless laser processing
Take a look at the advantages of laser processing in the **video at eurolaser.tv**

Laser – the technology of the future

Excellent work can be done with the laser! The fact that the new system is equipped with an edge control makes the work compared to the previous system a lot easier. The extraction system is also much more efficient and quiet. The goods are placed cleanly and smoothly on the cutting table, so that there is less waste.

Thomas Brockmeier, Operations Manager SAATI Deutschland GmbH

Our eurolaser systems are very flexible. Depending on the order, we can switch between different tools, and thus meet almost any requirements of our customers, without the need to extend our machine park.

Heiner Guevarra,
CEO Visolaser GmbH, Germany

We are your specialist for CO_2 laser systems: Powerful and accurately meeting your requirements

Know-how and many years of experience

Our experts work with you to put together an ideal system configuration and calculate the best possible processing parameters to ensure maximum output for your application. Your eurolaser system is one of the most flexible laser cutters on the market with the many configuration and adjustment options in the software and hardware.

Highest reliability

We quite deliberately put our faith in the outstanding quality of the Swiss specialist Zünd Systemtechnik AG and use the motion control system of the global market leader. This means you benefit from the expertise derived from around 30,000 flatbed cutters that have been successfully tried and tested on the market and from excellent repeatability. Even if you produce around the clock (24/7), in 2 or 3 shift operation, you can always count on our reliable technology.

Unique choice of different table sizes

eurolaser offers you a range of table sizes that is unique on the market. Our laser systems are suitable for all standard plate, roll and sheet formats. Even large-sized materials can be processed in one piece.

Scalable machine concept

Always remain at the cutting edge of technology and reduce modernisation costs with our modular eurolaser system components and expandable units. Upgrades to more powerful laser sources, for example, are also possible after purchase.

Automation for more productivity

There are numerous automation options for the efficient use of your laser system and optimum integration into your production process.

Maximum flexibility for every application

Expand your machining and material options without any additional expensive investments, by using tool options on your eurolaser system in parallel to the laser. You have sophisticated eurolaser solutions as well as the entire range of high-quality tools from Zünd at your disposal.

Platform-independent software

You work independently of any software and licence-free, as our laser systems can be controlled with conventional PCs. You can process virtually all standard CAD and graphic data formats and use a workflow management system from the design through to production.

Process-reliable and durable due to high quality

Top-quality components ensure reliability, a long service life and guarantee a positive cost-performance ratio for your investment. Sophisticated protective functions for the drives and guides maintain the high quality. You benefit due to low failure rates and the good availability of spare parts.

Efficient and safe ergonomics

The freely accessible working area enables you to quickly load and unload. Operation is easy and safe at the same time. A comprehensive and at the same time practical safety concept combines maximum machine and operational safety with effective utilisation.

Easy delivery and installation

The laser systems are modular and can therefore be broken down into individual components and put together again as required. This way, we avoid costly heavy goods machinery for setting up the laser systems, and do not need complex conversions of buildings.

Extended warranty

We offer customised service agreements in line with your individual needs with a warranty period of up to 5 years. This boosts both your financial security and that of your production.

The optimum working area for your application:
eurolaser table sizes

Our eurolaser laser systems are as flexible as your requirements: With 10 different system sizes together with table concepts and laser powers adapted to your requirements, we provide the optimum solution for your application as well. You can tailor your cutting process efficiently to your production conditions with the individual configuration of your system and the expansion capabilities with practical additional options.

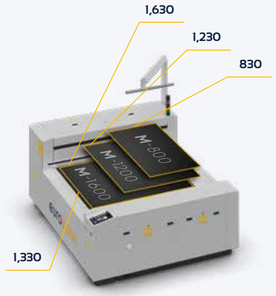
eurolaser products
You will find more information on our products at **eurolaser.com**

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

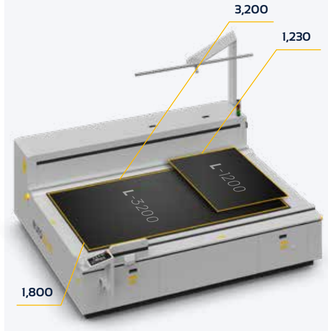
› **M**-1600
Working area: 1,330 x 1,630 mm (52.3" x 64.1")
Laser power: 60 – 650 Watt



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

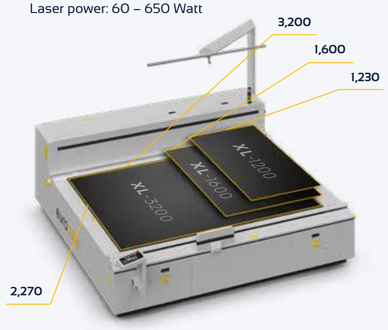


XL-LINE

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

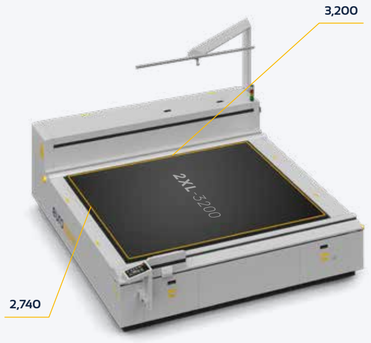
› **XL**-1600
Working area: 2,270 x 1,600 mm (89.3" x 62.9")
Laser power: 60 – 650 Watt

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



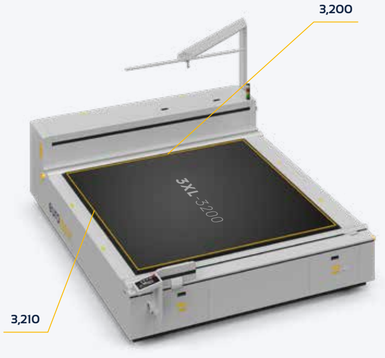
2XL-LINE

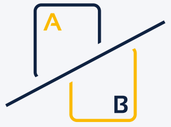
› **2XL**-3200
Working area: 2,740 x 3,200 mm (107.8" x 125.9")
Laser power: 60 – 650 Watt



3XL-LINE

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





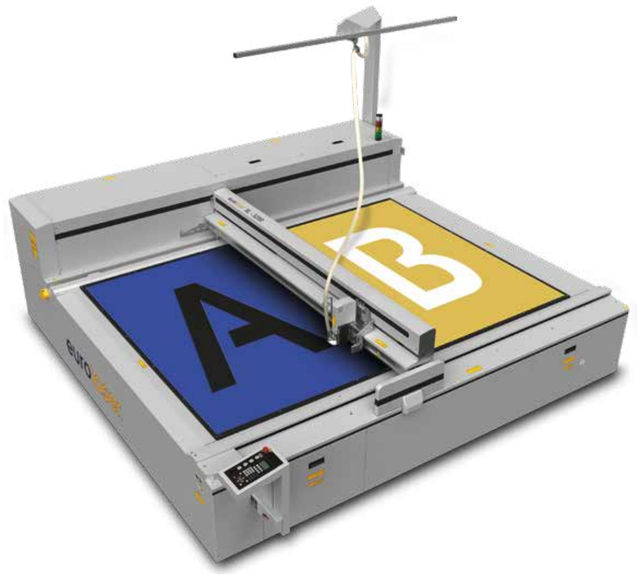
The Remote Operation System is available for the following models:

- **M**-1200
- **M**-1600
- **L**-1200
- **L**-3200
- **XL**-1200
- **XL**-1600
- **XL**-3200
- **2XL**-3200
- **3XL**-3200

Your benefits

- Load and unload your laser system during the cutting process
- Fully utilise the capacity of your laser system by reducing the process breaks
- Material removal and loading is completely safe with the integrated safety concept

Increase your cost-effectiveness: eurolaser Remote Operation



Increase your productivity. With a software-controlled division of the working area, it is possible to process your material on one side of the system while simultaneously reloading on the opposite side. Processing automatically switches between the two areas on request, so that your system is almost used at 100%.

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

Double your productivity: eurolaser Shuttle Table System

With the Shuttle Table System you increase the cost-effectiveness of your eurolaser system by minimising downtimes. Conveniently load and unload the material supports from three sides while the system is still working.

You can easily operate the table changeover after loading and unloading by way of switching a button. The process then starts automatically once cutting is complete. Monitoring of the system is thus minimised and you save time with the optimised process.

Simple replacement of the material supports

Free access to the material

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

The Shuttle Table System is available for the following models:

- **M**-800
- **M**-1200
- **M**-1600
- **L**-1200
- **XL**-1200
- **XL**-1600

Your benefits

- Ensure an improved system utilisation by up to 75% by loading and unloading during the cutting process
- Minimise downtimes and increase the efficiency of your laser system
- The moveable material supports make it easier for you to access the produced components

Automate your machining process for rolled material:
The eurolaser Conveyor System

The Conveyor System is available for the following models:

- **M**-1200
- **L**-1200
- **L**-3200
- **XL**-1600
- **XL**-3200
- **2XL**-3200
- **3XL**-3200

Your benefits

- You work more efficiently due to automatic material unwinding and feeding
- Remove the cuts during the cutting process
- There is no material distortion due to stress-free material feeding
- Your material is placed custom-fit on the processing table and fixed during cutting
- Process very large formats with seamless continuation of cuts
- Use Smartfeed for an optimum material feed that matches your cutting data

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

Use of different marker modules
for printing, marking and labelling sewing markings, barcodes or labels

Adjustable exhaust unit
for the targeted control of the exhaust capacity and saving of energy costs

Guide rail system
for the parallel processing of multiple rolls

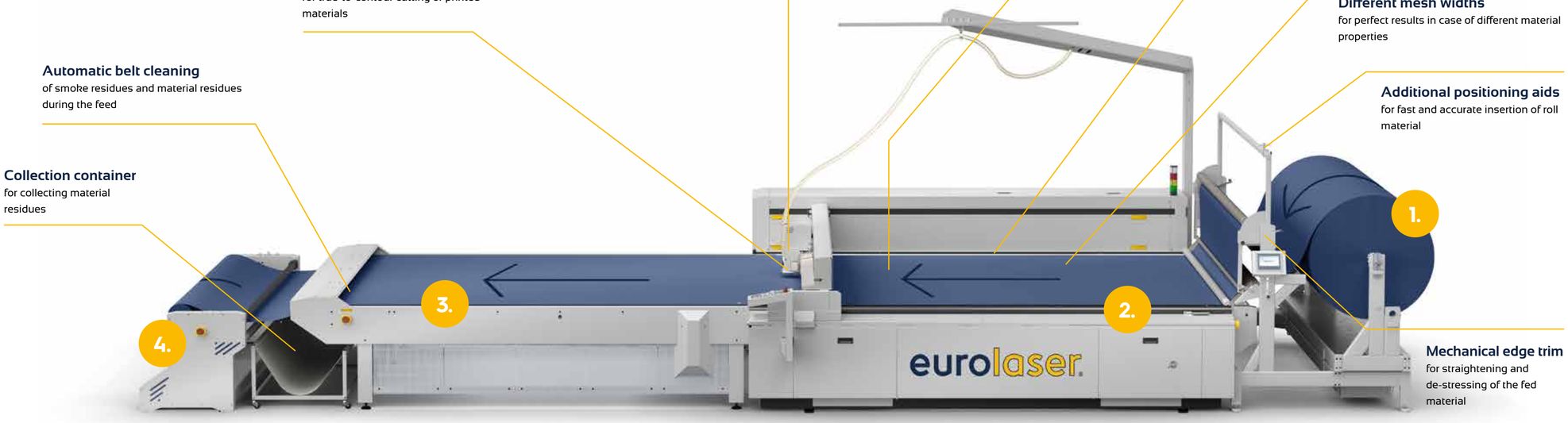
Camera recognition POSITION^{plus}
for true-to-contour cutting of printed materials

Different mesh widths
for perfect results in case of different material properties

Automatic belt cleaning
of smoke residues and material residues during the feed

Additional positioning aids
for fast and accurate insertion of roll material

Collection container
for collecting material residues



Mechanical edge trim
for straightening and de-stressing of the fed material

4. Winding unit

The winding unit is an optional extension for even winding of processed textiles. It provides you with an fully automated overall process.

3. Table extension

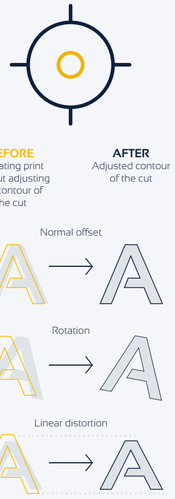
The table extension enables material removal during the machining process. Accessibility from three sides increased your flexibility in the production process.

2. Conveyor belt

The durable stainless steel wire mesh belt moves the roll material to the laser system stress-free. There is no material distortion while contactless processing with the laser ensures outstanding results.

1. Feeding unit

The automatic edge control of the feeding unit guarantees accurate positioning of the material, so that every meter can be cut with consistent quality and accuracy.



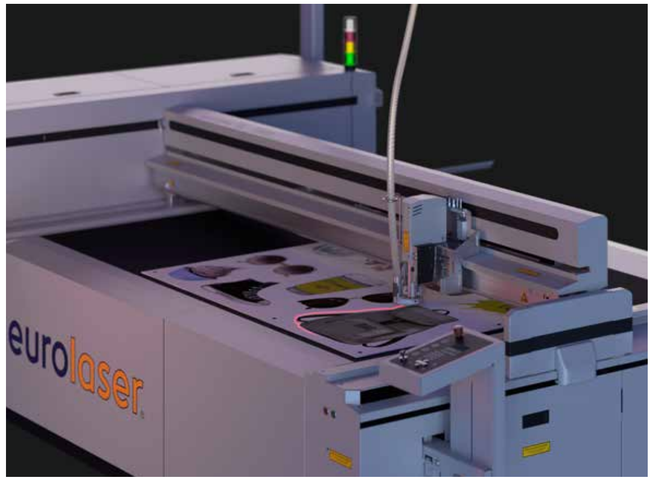
Your benefits

- Cut exactly along the desired printed contour
- Cut textiles with patterns perfectly matching your layout (pattern matching)
- Create and position cutting data through recognition of contours (also without available job data)
- Achieve faster throughput times with simultaneous high process reliability
- Improve your cutting results with the software-controlled compensation of printing inaccuracies, e.g. shrinking, stretching and twists in the material
- Minimise machine setup times
- Use the Workflow Manager to ensure broad automation of work procedures

Cut printed materials accurately: eurolaser POSITION^{plus}

Many applications require precise cutting to existing printed fiducial marks or other material references. eurolaser provides an intelligent solution for this purpose, consisting of camera and evaluation software. POSITION^{plus} is an optical recognition system for workflow optimisation during laser cutting of printed materials, materials with patterns or materials which already have contours.

With a target/actual comparison of the print data, the cutting contours can be adapted and deviations can thus be compensated. This is, of course, effected completely in accordance with the wishes and requirements of the user. The features mentioned support quality assurance through optimisation or adjustment to the required dimensional accuracy.



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

Engrave high resolution images in large format: eurolaser PICTURE^{plus}

Pictures, logos, markings and much more – engravings and markings are possible with the laser on various material surfaces. Depending on the material, a contrast can be created with the concentrated beam of light through burning, colour change, layer removal or deep engraving.

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

Options

Your benefits

- Create 2D images and breathtaking 3D reliefs in photo quality
- Engrave in large format on the entire table surface
- Engrave with up to 256 grey scales and a resolution of up to 1200 dpi
- You can realise vector engravings, raster engravings and cuts in one work step
- Save time, as tool changing, clamping the workpiece and complex cleaning are dispensed with due to the chipless processing

3 in 1 Laser plus two mechanical tools

Highest flexibility with regard to processing and material

In addition to the laser, use up to two mechanical tools from Zünd in parallel on one eurolaser system. Lasering, grooving, notching, labelling, your options combined are almost limitless. Furthermore, you extend your material options, as you can also process materials which are not primarily suited to the laser.

Maximum versatility:
Mechanical machining in parallel to the laser

Maximum versatility and the right tool for every application – due to the modular concept of the eurolaser systems, you can meet any of your customer's wishes and are at home in any market. Depending on the requirement, you choose processing either with the laser or the proven precision tools from Switzerland-based Zünd Systemtechnik AG. You not only combine the benefits of different processing methods on one machine with this. You also extend your range of materials and can also process materials that are not suitable for the laser.

Unlimited possibilities on only one system

+ Knife cutting, grooving, milling, labelling, kiss cutting, scribing, drilling and many more provide you with new production and material horizons
+ The high-performance tools can be optimally used for industrial applications (24 hours / 7 days) and are easy to operate
+ You get the highest possible flexibility with low investment volume
+ The tools can be retrofitted any time as required

Your benefits

+ Work with two tools and the laser in parallel on one machine
+ Use the versatile choice of tools with numerous combination possibilities for maximum versatility
+ Save time for machine changeovers and perform the complete machining process on one system
+ Benefit from high-quality, market proven tools from Zünd Systemtechnik AG
+ Combine camera recognition for printed materials with all tools on request
+ Achieve high speeds and stability in the machining process
+ Replace tools particularly quickly and ergonomically

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

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

Labelling, inscribing, marking:
Practical and parallel to lasering

You can cut and label your materials with the eurolaser marking modules in a single operation. This way, processing steps, such as the sewing process for textiles, can be prepared quickly and easily.

Ink Printer Module

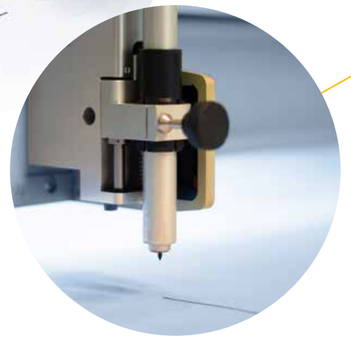
Inscribe your workpieces or applied labels.

+ Print at the best quality with up to 600 dpi
+ Ideal for the application of sewing markings, barcodes, logos and serial numbers
+ Inscribe applied labels or your material
+ Use different inks and paints with high wipe and abrasion resistance
+ Up to three printheads usable in parallel

Ink Marker Module

Mark your material contact-free.

+ Mark the sew line precisely and contact-free without material warping
+ Faster and more durable than plot pens or felt-tips
+ Use different fast drying and indelible inks and paints
+ Complete retrofit available for your system



Marking Module

Draw seams, patterns and auxiliary lines.

+ Benefit from the simple mounting of drawing tools
+ Save time with fast processing times when drawing
+ Use up to two pens in one module
+ Complete retrofit available for your system

Label Module

Label your cut individual parts.

+ Label products with your logo or other information
+ Label individual parts for the subsequent downstream process
+ Use printed, blank and RFID labels
+ Use different stickers depending on the material and as needed

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

Smart support for optimum cutting results: eurolaser table concepts

If laser processing is to be successful, you need more than just a high-quality laser source and an outstanding movement system, you also need a sophisticated material support concept. Our modular eurolaser table concepts adapted to your application enable you to optimally and multifunctionally use your laser system.

Raster plate (RP)

Perfect for your acrylic applications

The reflection of excess laser energy is reduced to a minimum due to a special absorption surface. This easy-care table concept is particularly suitable for delicate materials such as acrylic, where even the smallest back reflections are visible.

Honeycomb (HC)

Our specialist for foils and wood

The structure, which is similar to a honeycomb, is made of a thin, highly-stable aluminium foil that facilitates a particularly good generation of a vacuum under the material. The channelled extraction of the cutting emissions minimises residues on the back of the material. So this material support concept is used primarily for flat, instable materials (e.g. foils).

Conveyor (CON)

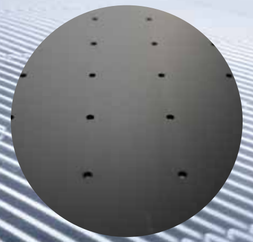
Cutting of textiles straight from the roll

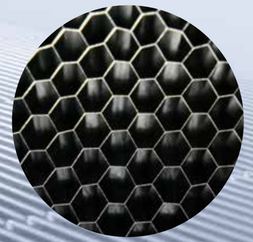
This table support made of a stainless steel web is ideal for light, thin and flexible materials such as textiles, foils, gauze or non-woven fabrics. It serves both as a material support for machining process and at the same time as a transport element.

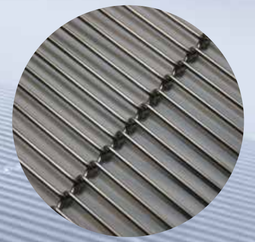
PIN concept (PC)

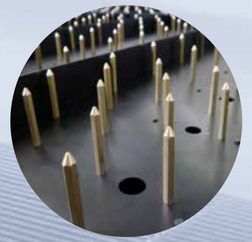
For high laser powers

The PIN table concept consists of robust brass or PMMA support pins. This concept is used for high laser powers and high waste gas emissions. Typical fields of application are cutting dies and wood processing > 10 mm.









eurolaser table concepts
Find out more about our table concepts at **eurolaser.com**

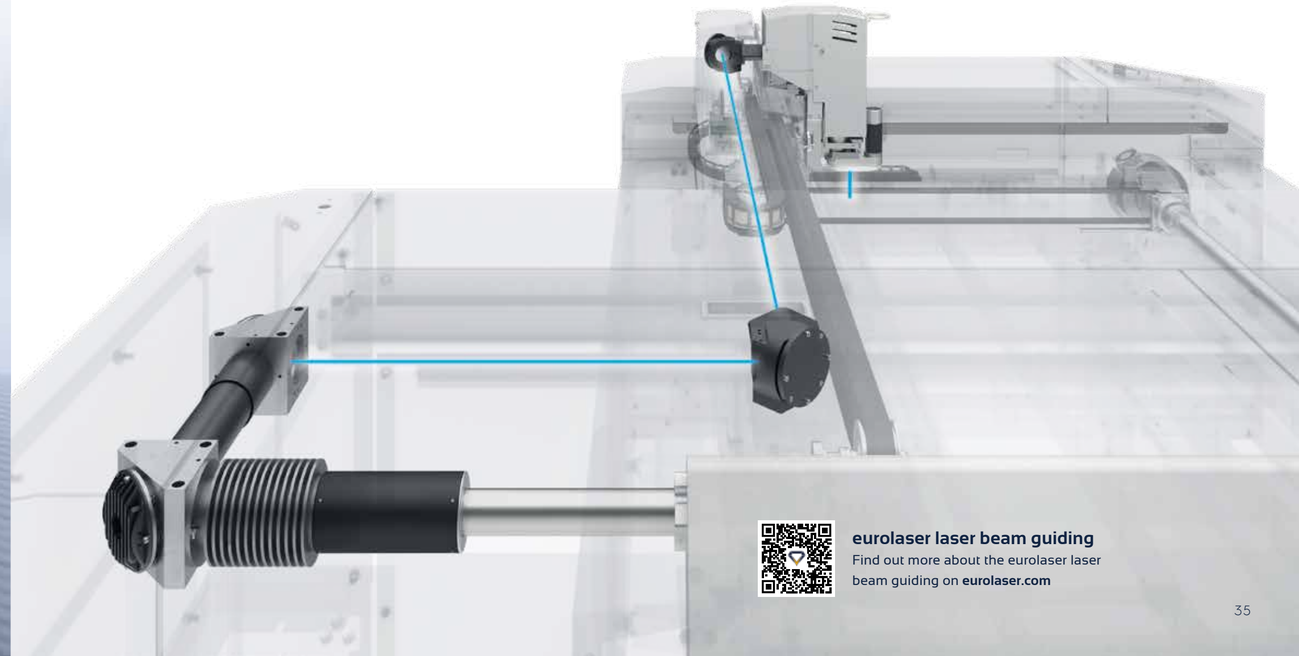
Optimum guide of the laser beam: More dynamics and improved beam quality

In addition to the high quality of the used laser sources, optical lenses, mirrors and light beam guide play a crucial role for a laser system. Only the optimum interaction of these components enables long-term optimum results, reduces waiting times and thus significantly increases the runtimes of the laser system.

eurolaser mounts the laser source at the height of the optical components, which means the systems can already be visually distinguished from other manufacturers. The mirrors are placed in such a way that there is no contamination which could lead to a burning in caused by the laser beam. This greatly increases the operational safety for the user. Additional advantages are the durability, reduced costs and a continuously high cutting quality. The laser source is easily accessible for the service technician, and therefore, it is not necessary to disassemble the entire machine for a service. Due to the low wear of eurolaser optics, the wear of individual components is particularly low.

Your benefits:

- Vertical positioning of the mirrors prevents the deposition of contaminations
- Reduced wear – no burning in of contaminations in the mirrors
- Continuously high beam quality and laser power through constantly high reflection all over the working area
- No vibrations, as the weight of the laser source is not carried on the bar – consistently high cutting quality and precision
- Higher productivity due to improved speed and acceleration values



eurolaser laser beam guiding
Find out more about the eurolaser laser beam guiding on **eurolaser.com**

Perfect, smoke-free cut edges:
eurolaser 360° extraction technology

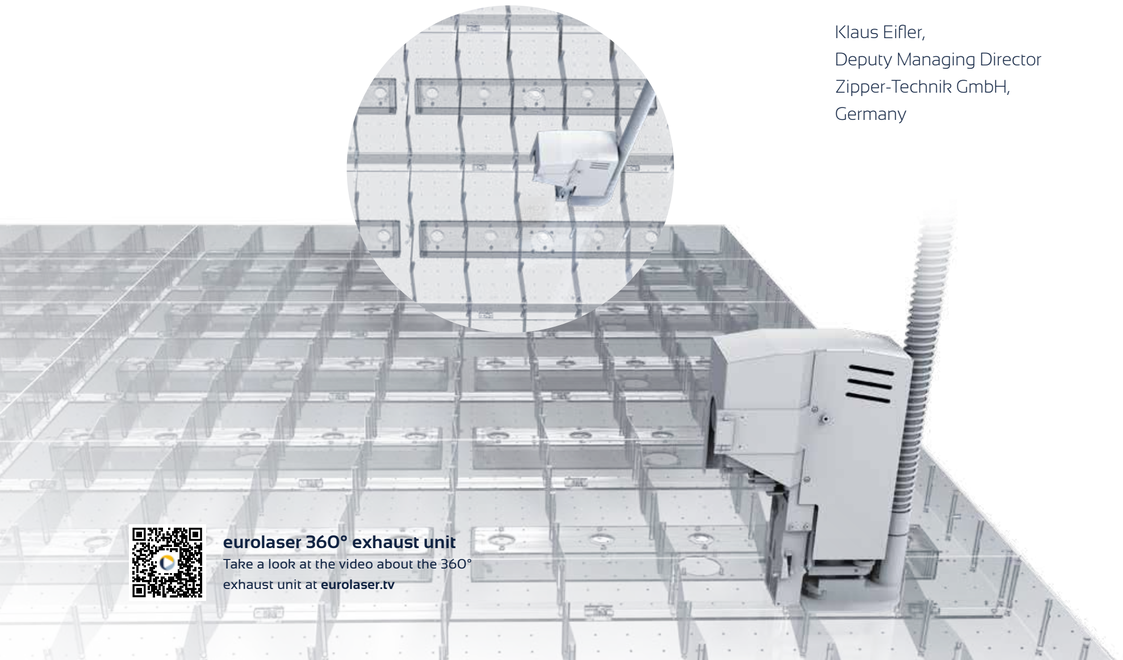
An optimum exhaust system has a decisive impact on the quality of cut edges during laser cutting. With the smart eurolaser 360° exhaust and material vacuum technology, smoke gas emissions are extracted from the place where they arise – directly above and below the cutting gap. This way, you achieve continuously high cut quality and work safely and efficiently.

The individual segments of the eurolaser tables concentrate the extraction capacity on a relatively small area. This minimizes the loss of power due to air leak, so the power output remains consistent.

The upper exhaust unit ensures optimum results, particularly for operations in which the function of the lower exhaust unit is restricted. Typical examples here include engravings or kiss cuts, where the material is not completely cut through.

Your benefits:

+ Always maximum cut quality everywhere on the table
+ Upward and downward exhaustion can be controlled separately
+ Even suction pressure everywhere on the table
+ Best ambient air in the vicinity of production

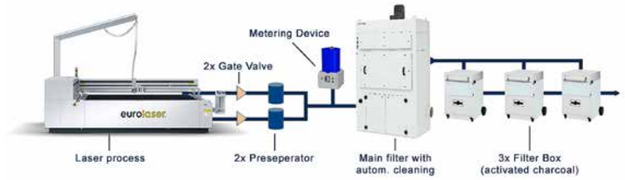


eurolaser 360° exhaust unit
Take a look at the video about the 360° exhaust unit at **eurolaser.tv**

> In addition to perfectly cut contours, above all, contactless processing which is free of smoke deposits is crucially important for our products. The table exhaust system, which can be segmented, combined with the exhaust unit directly on the cutting head, has convinced us of eurolaser and always meets our quality standards.
>
> Klaus Eifler,
> Deputy Managing Director
> Zipper-Technik GmbH,
> Germany

Trendsetting ecology standards:
eurolaser filter concepts

We provide the optimum exhaust solution suitable for your application. This is not only crucial for the quality of your cutting results, but also 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 filtering and micro-particle filtering
+ Automatic filter cleaning mode
+ Modular design, application-dependent configuration
+ Industrial solutions with multi-machine connections possible
+ Higher productivity thanks to lower testing and maintenance costs
+ Special filter system technology for lower energy and filtering costs
+ Approved for the use in industrial and residential areas
+ Suitable for plants with ecological certification

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

> If I had known how straightforward and simple handling of the extraction in combination with eurolaser is, my decision to purchase would have been easier.
>
> Daniel Carmagnani,
> CEO of Carmagnani & SIMPLYCUT

Open for the future
eurolaser smart manufacturing

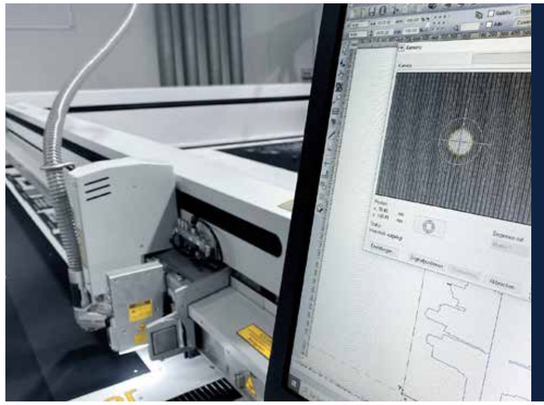
The future is digital: Automation, connectivity and smart solutions for process networking, service and maintenance are basic requirements for the production and success of tomorrow. This is why we consistently work with open interfaces (e.g. via PLC) and continuously develop our software and hardware further.

Contact us for your future-oriented and customised solution.
We are ready!

Smart software for networked production processes:
eurolaser software modules

Utilize the full potential of your laser system with LaserScout software modules. Ideally suited for your laser system, these ensure the highest level of process reliability and efficiency in your production.

The four basic modules CONNECT, PLANNER, DATABASE and WATCHDOG as part of LaserScout are used to control your laser system. Functions such as job planning for calculating the processing time as well as central storage and management of your cutting parameters are thus already included with the basic equipment.



CONNECT

CONNECT is the base software for controlling your laser system.

PLANNER

This software module enables you to estimate expected machining times realistically. You can generate profitable calculations quite simply and avoid any miscalculations.

DATABASE

Use the central database with cutting parameters and optimise your workflow with access from several computers (e.g. several systems and in work preparation). Ensure optimum parameters at any time with the flexible data exchange.

WATCHDOG

This live monitoring software displays key parameters and error messages in real time. Its remote diagnostics enable faster fault removal and better planning of service jobs.

eurolaser software
Find out more about our software
at **eurolaser.com**

Additional eurolaser software modules
Perfect for your individual application

CREATE
CREATE is the design and work preparation software for the creation of job files. It is compatible with all most commonly used software formats (e.g. ai, eps, svg) and can also be used independently from the laser system.

PICTURE
With PICTURE you engrave images of up to 1200 dpi on almost the entire work surface. You can also create 3D reliefs.

POSITION
POSITION is the software package for capturing the working area by means of a camera. It is used to capture printed materials, textile patterns or other contours on workpieces, and the cut can be aligned precisely.

JOBIDENT
Automate your process by recognizing QR codes on your material. The camera captures the QR code and automatically provides job data including processing parameters for your material.
Requirement: POSITION

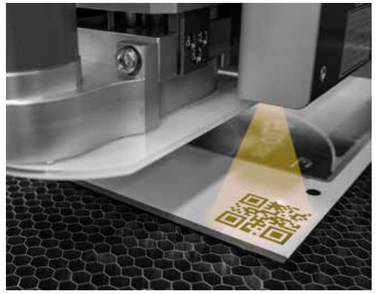
OPTIMUM
OPTIMUM is used to place your cutting files on the material (nesting). Optimize the use of space and save material with every application.

TOUCH&GO
TOUCH & GO automates the laser cutting workflow and increases productivity. The operator is guided through the application step by step. This way anyone can operate the laser system without extensive training. TOUCH & GO is always customized and specific to the application.

BACKLIGHT
With BACKLIGHT you can create optimal engraving gradients in acrylic sheets in no time to enable large-area and uniform background lighting.

For the customised solutions from SCHURTER, our production demands a high degree of flexibility and precision. By using the eurolaser laser system with camera recognition, we can master these requirements with precision, speed and flexibility. The required parameters can be optimally set with LaserScout. We are more than impressed with the clear arrangement and simple operation.

Stefan Theiler,
CEO Schurter GmbH, Germany



Automated QR code recognition and selection of job data with JOBIDENT

The large-format eurolaser systems match our requirements perfectly. Quality when cutting and fast delivery are very important for our customers. We can achieve both with the eurolaser systems. The cutters run reliably, also in multi-shift operation, and process one order after the other with excellent cutting quality.

Erwin van der Sloot,
Production Manager Probo Sign B.V., Netherlands

eurolaser service

Well looked after globally.

Our comprehensive, personal eurolaser service is the basis for our long-standing customer partnerships. Whether it is a service contract, support request or spare part, we are here for you worldwide.

eurolaser service
Find out more about our services
at **www.eurolaser.com**

Your eurolaser service: Competent – reliable – at all times.

We love intelligent solutions, not only for our laser systems: This is why our understanding of service is a consistently applied process of a trustful partnership. We will be on your side every step of the way with your eurolaser system. We actively inquire, listen and find solutions for highest investment and production safety. Our integrated service concept enables us to act fast worldwide and reduces your downtimes to a minimum.

- Individual consultation for optimum productivity
- Production safety with our technical support
- Short delivery times and fast spare part supply worldwide
- Extended warranty for your planning certainty
- Efficiency with our training program for your employees

A lifelong passion:
When customers turn into partners

We are repeat offenders – and with conviction. Because we firmly believe that true commitment, reliability and trust form the basis for long-standing successful cooperation, beyond the quality of our products. Fast response times, good availability and customer-focused actions on a level playing field guarantee our joint success.

High customer satisfaction

96% of our customers award us top marks for our service.

Rate of recommendation

A proven 90% of our customers recommend us.

Our customers are loyal to us

A large proportion of our customers are repeat buyers and grow together with us.

Experience & competence

Our technician's level of knowledge is excellent with regular training and an extensive exchange with each other.

Integral view

The process and application of the customer are our focus. If required, we also provide support for the optimisation of your production and operational processes.

Laser business model

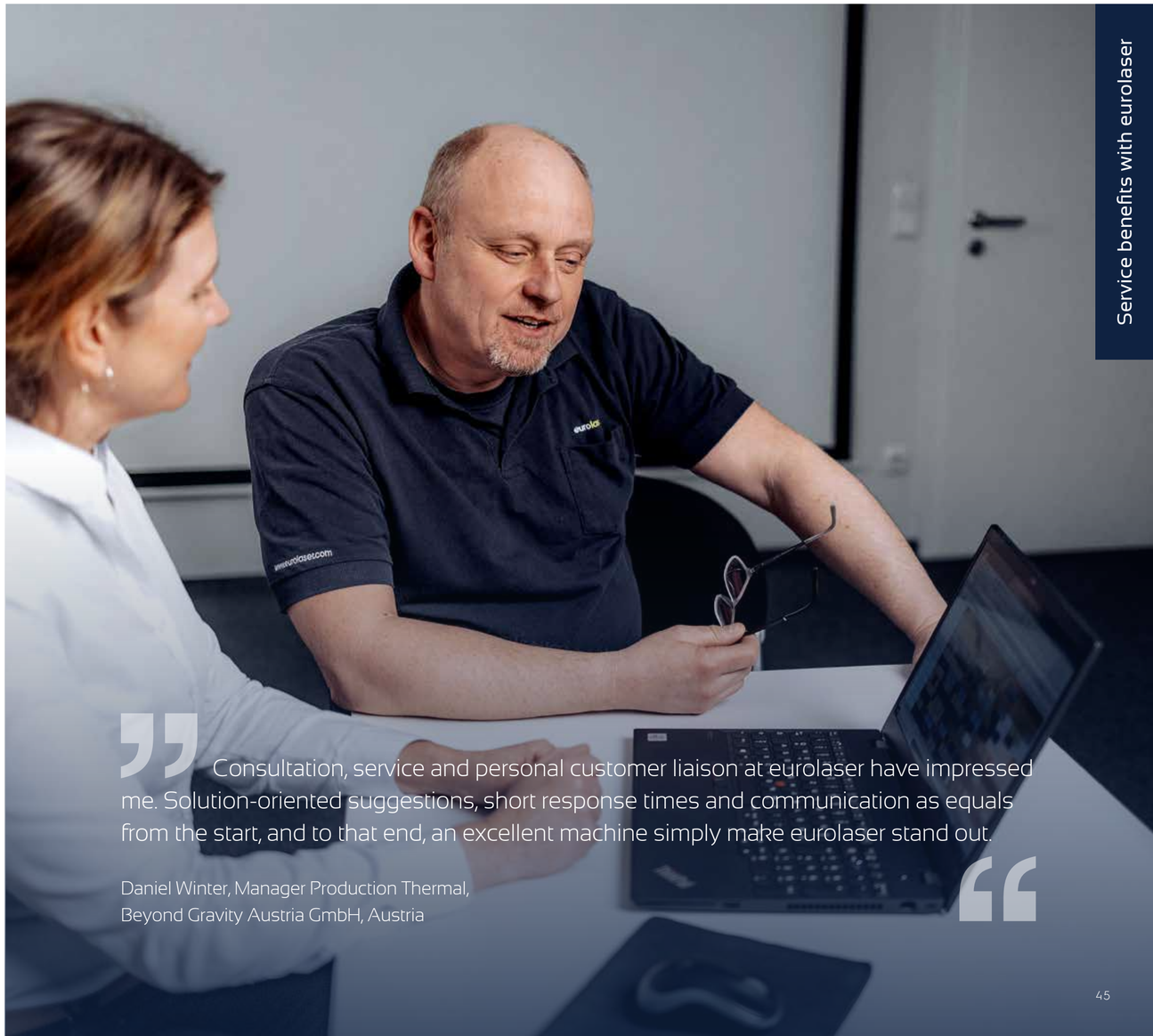
For many customers, the eurolaser system is the core of their production, and a deciding component of their efficiency. Therefore, we know how important good service is.

International service network

Our large, international service network provides you with fast availability of trained technicians and communication in the local language.

> I cannot think of anything at the moment which could improve your service.

Marc Katzenmaier,
Leolux Meubelfabriek B.V.,
Netherlands



> Consultation, service and personal customer liaison at eurolaser have impressed me. Solution-oriented suggestions, short response times and communication as equals from the start, and to that end, an excellent machine simply make eurolaser stand out.

Daniel Winter, Manager Production Thermal,
Beyond Gravity Austria GmbH, Austria

Professional services
for all aspects of your eurolaser systems

Production equipment must operate reliably and cost-effectively at all times. We support you with an extensive range of services over the entire life cycle of your laser system.

Application optimisation

Our experts work with you to put together the ideal system configuration and calculate the best possible processing parameters to ensure maximum output for your application.

Technician hotline

Our qualified contact persons will help you with all questions you may have about your eurolaser system and about all technical issues associated with the product range. Its remote diagnostics enable faster fault removal and better planning of service jobs.

System and application training

Benefit from customised training for your employees for effective programming and operation as well as maximum safety in the operation of your eurolaser systems.

Maintenance and safety check

Outstandingly well trained technicians ensure your laser system is in perfect working condition. Regular maintenance guarantees optimum functionality, reliable safety and ensures a high degree of value retention of your purchase.

Installations & relocations

Our technicians cooperate closely with you and plan your installation or move in detail. If you wish, we will view the new production halls prior to the move. We arrange timely dismounting and professional packing of your laser system. We then install the laser system in the desired facility and put it into operation again.

Extended laser service package

A tailored extended laser service package provides you with special conditions for spare and wear parts, services as well as consumables. Take care of reliable financial planning thanks to a fixed price for the entire duration of the agreement and benefit from the priority status in the case of fault rectification.

Extended warranty of up to 5 years

We offer customised extended warranties in line with your individual needs with a warranty period of up to 5 years. This boosts both your financial security and that of your production thanks to predictable costs.

24-hour reachability

Our competent contact persons are personally available for you by phone round-the-clock via our Service Hotline Plus. On request, our technicians will come to you on-site as quickly as possible, even outside of business hours and on public holidays. This we, we guarantee shortest response times, so that you can continue production as soon as possible.

Fast spare part supply

Excellent spare part availability minimises unplanned downtimes and ensures your system remains operational at all times. We guarantee to supply only high-quality components.

Consultation & process optimisation

Use our free individual on site consultation for all aspects of your system in order to exploit your existing resources to the full and to identify unused potential. Benefit from our cross-sector know-how.

Updates, upgrades & system extensions

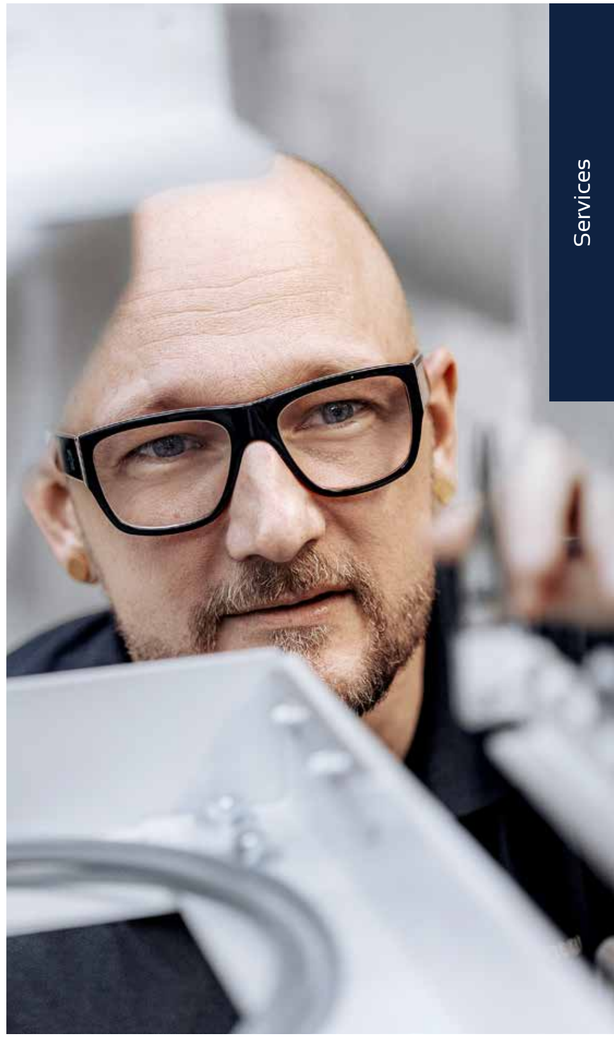
Adapt your laser system to new capacity or application requirements. So even a laser system that went into operation years ago can still be expanded, extended or even renewed any time you like due to the modular design. Software and firmware updates ensure functions and operational reliability are always state-of-the-art. Optional functional additions provide more flexibility, and higher laser powers provide more capacity.

Part exchange

If you wish to renew your existing laser system, we give you the option of a part exchange. Just contact us!

Leasing/financing

In cooperation with our financial partners, we will be pleased to draw up individual leasing or financing alternatives for you.



From Lüneburg into the world:
Successful eurolaser customers worldwide

High-quality laser systems made in Germany – from Lüneburg all around the world. With more than 25 years of experience in the market, it is not only our eurolaser systems that have grown with your requirements. In our continuously expanding network of long-standing technology, service and renowned cooperation partners, professional know-how, holistic services and international innovative strength are bundled under one roof. You benefit from this, as well as our customer base worldwide. Safe global sales and service structures that respond quickly and dynamically to your enquiry guarantee eurolaser quality worldwide for you.

Markets

As versatile as your ideas

With eurolaser, everything is possible.

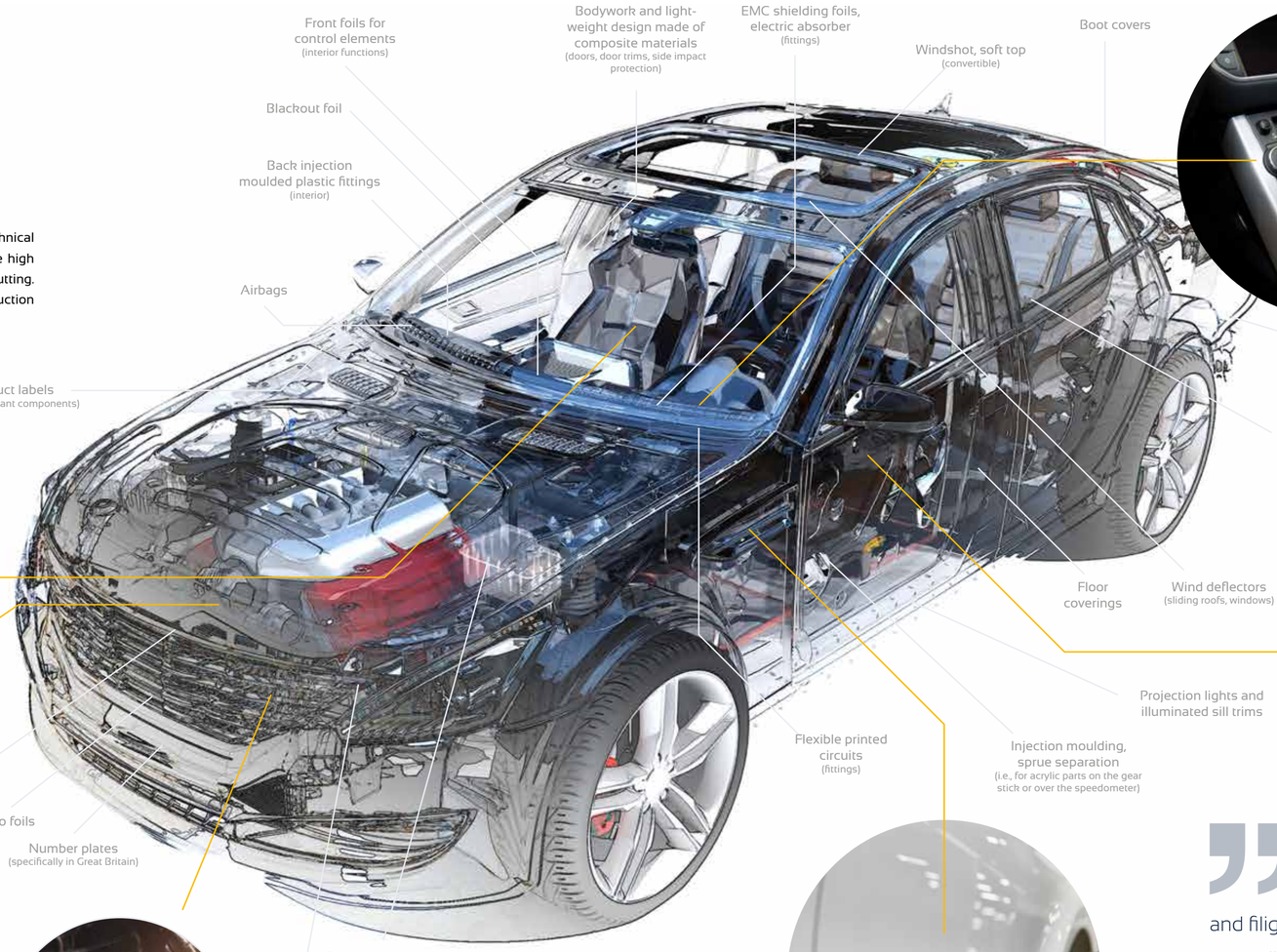
Whether wood, textile or plastic processing, eurolaser systems are right where you usually don't see them: Precise cuts, simple operation and a wide range of additional options make us an economical multitool in the processing of materials. Your challenge is our claim in the development of machining solutions.
What can we do for you?

Whether chip- and smoke-free wood processing for instruments or the most filigree cutting of high-tech foils for space technology, eurolaser is involved in cutting. As a flexible manufacturing alternative to the conventional processing of materials, there are almost no limits to what you can do.

Automotive / Mobility

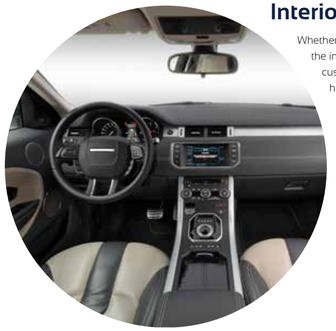
Precise and efficient production – around the clock (24/7)

Hardly any other industry is so innovative, constantly reinventing itself. New materials drive the technical developments and introduce new trends. This is precisely where eurolaser systems score points. The high degree of automation combined with unrivalled flexibility characterises the precise, contactless laser cutting. The supplier industry benefits from high processing speed, process reliability and consistently high production quality. Properties, which are essential for a cost-effective production system.



Fittings

Laser technology can be used particularly profitably in vehicle construction, e.g. when producing functional elements such as ambient lighting or back injection moulded plastic fittings and display instruments.

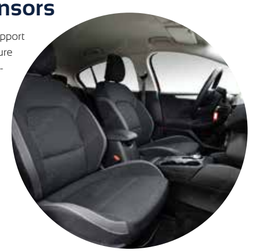


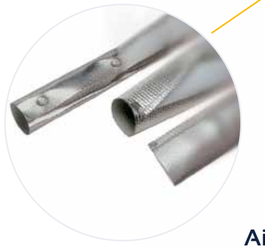
Interior trim and upholstery

Whether in a car, lorry, bus, plane or train – the finish in the interior must meet the quality demands of the customer. All materials must be cut precisely. The high repeat accuracy of the eurolaser systems is crucial here.

Passenger detection sensors

Automatic systems increasingly support the operation of vehicles and ensure the comfort and safety of passengers. For example, eurolaser systems cut pressure sensors for seats, foils for steering wheel sensors and touch displays.





Heat and cable protection

High temperatures, i.e. in the engine compartment, can damage cables, lines and hoses. To protect components against heat, special heat- or flame-retardant textiles are used, which are cut precisely by laser.

Air and liquid filter

When cutting filter material, the laser scores with contactless processing – without distortion and precisely. In addition, the thermal laser process ensures the cut edges are sealed during the cutting of synthetic textiles.

Adhesive foils

For the high-performance adhesion of mirrors, trimmings, fittings or labels on the car, industrial adhesive tape is used. Contactless cuts prevent adhesive residue on the tool. Re-sharpening of the tool is superfluous, the cut is precise and removal is easy.

© tesa SE, Germany

> Precision cuts, no tool contamination and filigree contours – even when it gets a little more difficult, eurolaser always has a solution.
>
> Bernd Schweitzer,
> Business Development Manager Converting,
> tesa SE, Germany

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

Living and commercial spaces

Individual and automated cutting – from individual designer piece to large series production

Attractive design and special shapes and colours make a living or business space lively and unique. In private or commercial use, textiles, various types of wood and diverse plastics are used for diverse products and furnishings and put together in such a way that they not only fulfil their purpose. In their production, the flexibility of the laser is convincing. High-quality design and noble products merge through laser technology to brilliant results and convince the beholder.

Sun protection

Individually printed awnings or sun sails, slats with finely cut motifs or accurately cut window foils and curtains are perfect applications for eurolaser systems.

Photo prints

Custom printed gift items are easy to order online. Our cuttings systems finish different batch sizes and materials here, such as canvas, acrylic, FOREX® and DIBOND®.

Large format and relief engravings

A resolution of up to 1200 dpi means that even high-resolution pictures can be reproduced on a working area of over 10 m². Laser engravings are permanent and are suitable for many materials, such as wood, acrylic, marble, textiles, anodized or varnished surfaces and many more. The creation of reliefs not only generates a unique ambiance, but also a fascinating haptic effect.

© Laserholz by Keplinger, Austria

Furniture

Many different materials are used in furniture production. The parallel use of lasers, knifes and routing modules on single machine make the eurolaser system a universal cutter.

© Leolux Furniture Group, Netherlands

Veneer inlays

Contactless laser processing particularly stands out for filigree details and inlays. The delicate material is not damaged during cutting, thus minimising waste.

Home textiles

When laser cutting synthetic textiles, the cut edges are sealed at the same time. This reduces the post-processing effort in subsequent processing. Typical applications amongst others are curtains, upholstery, cushion covers, lampshades, carpets.

Curtains / blackout

Tailor-made curtains and interior shading is increasingly in demand. The high degree of flexibility in the choice of contours opens up new and unlimited possibilities in product design.

© Création Baumann AG, Switzerland

Roof

Soundproofing

Lampshades

Cushions

Furniture foils

Floor coverings

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

Clothing industry

Contactless processing without material distortion – directly from the roll

Good clothing combines aesthetics with functionality. From the unique haute couture designer dress to protective clothing of firefighters – processing with eurolaser systems impresses with high speed without material distortion. The laser tool automatically ensures sealed, lint-free cut edges (cut & seal process) for synthetic textiles, thus saving time in post-processing. In addition, there is no tool wear and replacement, and a consistently high quality of results is ensured.

Textile finishing with laser engraving

Face shields

Textile protective masks

Corporate branding

Shoes

Personal protective equipment

Wherever mechanical processing techniques meet their limit, e.g. when cutting aramid fabrics, laser systems impress. Typical laser cut products include: Protective vests, splinter protection, cutting and stabbing protection, head protection, ballistic shields as well as carrying systems for military and police.

On-demand / individualisation

Sport and leisure

In the sports and leisure industry, lasers support the production of very different products. Composite materials and textiles are cut contactless and turned into functional clothing and equipment for motor, adventure, water and winter sports.

Work clothing

The correct equipment protects against temperature, abrasions and injuries during work in industry, agriculture and forestry. Our laser systems are used for the production of high-quality work clothing.

Orthoses / insoles

Precise and contactless – the special characteristics of the laser make it an unequalled tool for the gentle processing of spacer fabrics for the production of high-quality orthopaedic products.

Fashion & design

Laser is ideally suited to both industrial manufacture as well as one-off production of haute couture designers. Unusual ideas and complex patterns can be perfectly applied. But leather processing or engravings on fleece are also applications in the textile industry.

© Laser Cutting Shapes, USA

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

Advertising / Point of Sale

Printed, engraved, illuminated – Flexibility in selection of contours and materials

In visual communication, the challenge particularly applies to flexibility of processing. Numerous materials (e.g. acrylic, MDF, textiles, plastic sheets and foils) in different formats and batch sizes must be cut economically. Lasering, milling, labelling, engraving and precise cutting of printed materials – creativity knows no bounds due to the versatility of the eurolaser systems!

Other application options:

- Lettering
- Inscriptions
- 3D letters
- Cladding
- Shelving banners
- Customer signage systems
- Display window design
- Acrylic images
- Advertising materials
- Pennants
- Decoration
- Foil inscriptions
- Pull-up displays
- Light banner
- Lightbox
- Shelf systems
- LED backlight

© C. Behehe GmbH, Germany

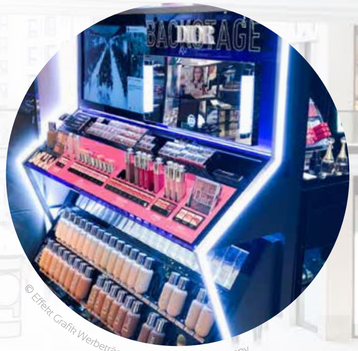
Signs

This ranges from small room signs up to large-scale, illuminated advertising messages. Our laser systems impress with a wide range of machining options and the perfect cutting of printed materials.

Shop design / interior design

Room, material and light in perfect harmony provide a pleasing atmosphere. Large-scale and custom-fit cuttings are required for counters, wall panelling or design elements.

© Stykka, Denmark



© Effekt Grafik Werbeträger GmbH & Co. KG, Germany

Displays

Acrylic is the most commonly used plastic for product presentations. In addition to laser cutting, it is also excellently suited to engraving. Fascinating effects can be achieved in combination with LED technology. The trend to improved sustainability also leads to increased processing of wood and MDF.

Soft Signage

The large-scale, printed textiles are used inside and outside. Typical examples are beach flags, flags and pennants. But advertising banners for site fences and buildings are also cut with eurolaser technology.

© Fahnen Cairner GmbH, Austria

© Flagprint ag, Switzerland

Exhibition stand / store construction

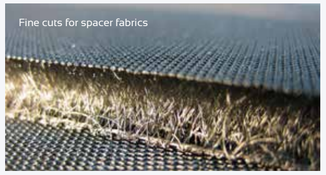
Individual designs and the use of a variety of materials are typical requirements of processing machines in this segment. eurolaser systems impress here with their flexibility. Using the tools mounted in parallel to the laser, you can expand your range of machining operations and also process materials that are not suitable for laser.

> Our eurolaser was the backbone of our cutting service and helped us to pave the way to the growth of our company and the software development. Together with my espresso machine, it is one of my most favourite things in my life.
>
> Jarl Vindnæs,
> co-founder of Stykka, Denmark

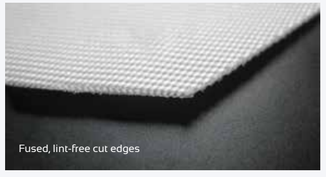
eurolaser markets
More on the topic of advertising can be found at **eurolaser.com**

Benefits of the laser processing of textiles:

- No textile distortion thanks to contactless processing
- Precise and filigree cuts
- Processing of very large formats thanks to seamless continuation of cutting
- Sealing of the cut edges – no fraying
- Machining in all directions – regardless of the textile structure
- Fully-automatic processing directly from the roll


Fine cuts for spacer fabrics


Finishing with engraving


Fused, lint-free cut edges

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

Other application options: Textile variety

Filters

Modern filters are part of processes for separating or cleaning materials. These processes are often divided into gas, solid matter and liquid filtration. Almost all technical textiles for filtering can be perfectly cut with the laser. The cut edges of the filters do not fray and marking systems, e.g. for sewing marks, make further processing much easier.

Foam materials / inlays

Foam materials are used in a large number of products, such as heat insulations, for acoustic insulation or for suitcase inlays. Depending on the application, the material composition can differ. The laser cutting particularly stands out here with its flexibility and contactless processing. The cuts are precise without application of pressure onto the foam material, and no post-processing is required.


© SEKISUI ALVEO GmbH, Germany


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

Textile silos / big bags

Agriculture, construction, industry or transport: large-scale textile silos and big bags have long ceased to be a niche application. Thanks to high cutting speed, directly welded cut edges and the accurate processing of rolled material, a eurolaser system significantly accelerates the machining process.


© KE Fibertec AS, Denmark

Ventilation ducts

The use of ducts made of technical textiles is becoming more common in modern air distribution systems. The round, semi- or quarter-round textile ducts are used to feed in and distribute cooled and heated air. The CO_2 laser is setting new standards especially where the exact cutting and perforating of these technical textiles is concerned.

Other application options: Perfect in shape


© PONUS GROUP GmbH & CO. KG, Germany

Sound-absorbing elements / acoustic walls

The combination of functionality and aesthetics is becoming increasingly important, particularly in the area of interior design. For example, the demand for sound-absorbing elements or materials is continuously growing. Whether printed or in individual shapes, laser cutting systems with their material-friendly and precise cutting ensure exact-fitting results from one-off production to series production.

Wood crafts

CO_2 lasers are suitable for different wood materials, such as balsa, MDF, veneer or plywood, and a wide variety of application areas. The finest contours can be cut. Typical examples of the use of laser technology in wood crafts are candle arches, Christmas decorations and inlays made from veneer or parquet.


© Wrenby ApS, Denmark

Sustainable materials

Environmental awareness and climate protection are declared goals for us and many of our customers. Many of the materials that are processed by our laser systems are also changing accordingly. The trend to sustainable solutions leads to new materials. From biodegradable foils and recycled plastics to FSC-certified materials on paper basis – our laser systems are meeting these challenges all over the world.

Laser cutting as a service

Individual orders, short production times, different batch sizes: these are the daily challenges in job order production. A wide variety of materials, from textile and plastic to wood or composite materials are processed for very different customers. The variety of applications with their very own processing challenges is just what the laser was designed for as an all-round tool.

Benefits of the laser processing of wood:

- Chip-free – less dirt and effort
- Finest details and radius-free inner contours possible
- Contactless processing – minimum material waste, no breakage
- Burr-free edges – no post-processing necessary
- No clamping or fixing of the workpiece necessary

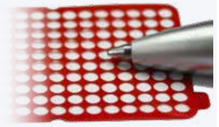

Filigree cuts with no material damage


Precise inlays made of veneer and high-quality relief engravings

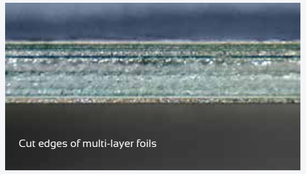
Wood, veneer & MDF
Watch the video about wood processing at **eurolaser.tv**

Benefits of the laser processing of foils:

- High precision – smallest recesses possible
- Remnants do not stick to the tool
- Sealing of the cut edges
- No mechanical material stress
- High degree of flexibility
- No initial costs due to the construction of tools



Filigree details



Cut edges of multi-layer foils

Kiss-cut and laser inscription for thin foils

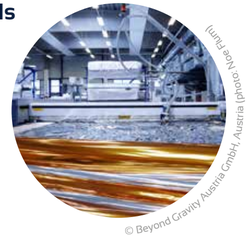
Other application options:
High-tech for high-tech

Keyboard foils / control elements

Keyboard foils are used wherever rough environmental conditions make the use of normal keyboards impossible. They are for the most part resistant to humidity, very flexible and can be wiped clean. Laser cutters from eurolaser are ideally suited to cutting sensitive foils, like the ones used in the production of multi-layer membrane keyboards, for example. Thanks to the thermal laser process, the cut edges of the foils are sealed in a single work step. The parallel use of CO_2 lasers and knife inserts on one machine transforms your eurolaser system into a universal cutter.

Special foils

Our lasers are used for numerous special applications. Whether it is for switchable foils for residential and business spaces, for heat-resistant materials in aerospace, for foil membranes of heat exchangers or for high-performance adhesive tapes for the automotive industry, the laser cuts reliably. Our laser systems deliver with regard to these sensitive and often very costly materials due to their contactless and thus gentle processing.



© Beyond Gravity Austria GmbH, Austria (photo: Nele Fuhrn)

Front panels / décor foils

Front panels are frequently used for electrical devices. Typical examples are household appliances such as washing machines, fridges, dryers and all types of kitchen appliances. High-quality foil is required for these electrical devices, to integrate the operating elements (e.g. switches and buttons) as well as display elements. Particular attention during cutting should be paid to the small openings for switches, operating elements and LEDs. In order to ensure the desired quality standard, these small openings must be cut out precisely.

Prototyping / universities

Laser technology is ideally suited to prototyping (one-off production or small series). Contour outlines created with design software can be very easily implemented on the laser systems. The broad range of machinable materials enables very versatile utilisation options. Laser technology is also increasingly represented at schools and universities.

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

Other application options:
Fast & sharp

Model making / architecture

An important advantage of eurolaser systems is the quick and flexible processing. It is possible for the architect to design a model together with the customer, send the CAD data directly to the laser system and therefore produce the model in real time. The possibility of combining the laser with mechanical tools such as knives or routers further increases the flexibility, so that creative ideas can be implemented with ease.

© RUST Modellbau + Kunststofftechnik, Germany

Sprue separation

High-quality injection-moulded parts are subject to highest stresses and are critically inspected by the end user. The complex procedures of injection moulding itself do not represent a hindrance to this. However, the sprue must be removed during post-processing without damage to material and surface structure, in order to complete the component for further manufacturing steps such as tempering, labelling with screen printers etc. Laser cutting provides the ideal solution for this, whereby the entire process can be fully automated.

Toys

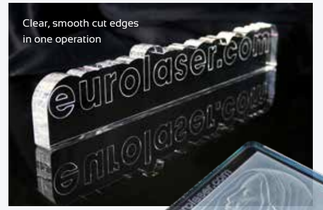
From plush and acrylic to wood – due to the quick and flexible processing, you can adapt the eurolaser systems easily and flexibly to your requirements, and thus meet customer wishes individually. For example, model planes, wooden jumping jacks, jigsaws, cuddly toys, chess pieces made of acrylic and many more can be formed with the laser.

Composites

Composite materials are made of two or more materials joined together. In the process, the idea is to combine the application-specific benefits of the individual materials. The typical goals are to improve tensile strength, optimise weight and fire proof. Examples for which laser cutting is used are fibre composite materials made of proportions of glass, carbon, aramid and polyester.

Benefits of the laser processing of acrylic:

- Smooth, crystal-clear cut edges in a single operation
- No clamping or fixing of the acrylic necessary
- Chip-free – less dirt and effort
- Beautiful engraving results with a matt satin finish
- Practically radius free cutting of inner contours
- Processing with protective foil possible – no material damage
- Ideally suited to sustainable, recycled acrylic



Clear, smooth cut edges in one operation

Silk-matt engravings

No contamination as with milling

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

Contact us worldwide!

eurolaser GmbH

Borsigstraße 18

21339 Lüneburg

Germany

Sales

Phone: +49 (0) 4131 / 9697-500

Fax: +49 (0) 4131 / 9697-555

Mail: sales@eurolaser.com

Service

Hotline: +49 (0) 4131 / 9697-400

Fax: +49 (0) 4131 / 9697-444

Mail: service@eurolaser.com

www.eurolaser.com

eurolaser®