

bodensee*LASER*

cutting / engraving / milling



YOUR SERVICE PROVIDER FOR PRECISION IN DESIGN



A FAMILY BUSINESS SINCE 2008

PRECISION IN DESIGN SINCE 2008

Our medium-sized company WK-Dienstleistungen has been offering products in the fields of laser cutting, laser engraving, laser marking, knife cutting, milling and 3D printing since 2008 under the brand name BODENSEELASER. The focus of our work is on quality as well as your individual wishes. We implement your ideas and concepts on time, competently and conscientiously.

We produce both individual orders and larger series as a contract manufacturer for the automotive industry, advertising technicians, lamp manufacturers, the aircraft industry, satellite technology, but also for private individuals. We have a flexible, mutually compatible machine pool that is constantly being expanded.

What can we do for you? Contact us, we will be happy to advise you!

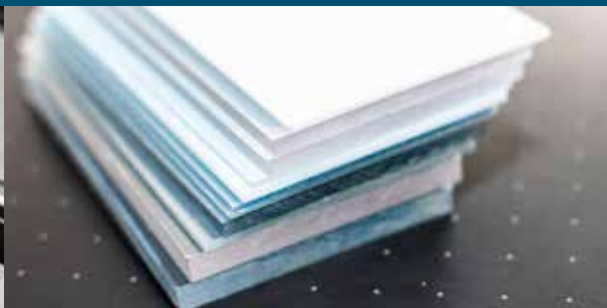


YOUR IDEAS ARE
OUR CHALLENGE

OUR SERVICES

Our focus is on products in the fields of laser cutting, laser engraving, laser marking, knife cutting, milling and 3D printing. Both quality and your individual wishes are the focus of our work. When producing an order, we require one of the following file formats as a template for the perfect implementation of the customer's specifications: dxf, dwg, cdr.

On request, we can produce these formats for you from your sketches and drawings as part of our service. Provided that your templates contain all the necessary information, even the most filigree of preparations can still be carried out cost-effectively with a laser when other conventional methods would have failed long ago. If you have any questions about our products, special materials and manufacturing possibilities, please do not hesitate to contact us.



LASER ENGRAVING

Laser engraving is a non-contact surface finishing process that uses a high-energy laser beam to inscribe, mark or decorate objects. It is characterised by a high degree of automation, durability and flexibility.

Laser marking is characterised by its versatility. Laser engravings can be applied to many different materials and prove to be particularly durable and long-lasting.

- Large-area engravings on non-metallic, PVC-free materials
- Metal engravings up to 1000 x 600 mm
- Special applications, such as glasses or bottles, can be implemented with the help of a circular engraving device.

We engrave:

- Metal
- Wood or wood composites such as MDF boards
- Plastics
- Textiles, leather and felt
- Acrylic and plexiglass
- Cardboard, corrugated cardboard or paper for packaging, envelopes, cards, etc.

LASER CUTTING

Cutting with light! We manufacture precise products in 2D according to your pattern – no matter if it is a single piece or a prototype / small to medium scale serial production.

- Processing sizes max. 2200 x 1200 mm
- Component thicknesses up to 20 mm
- Camera module for precise positioning

We cut and engrave for various applications:

- Textiles, leather and felt
- Acrylic and plexiglass
- Cardboard, corrugated cardboard or paper for packaging, envelopes, cards, etc.
- Wood or wood composites such as MDF boards
- Plastics, PVC-free materials
- Rubber, foams or elastomers

There are no limits to your creativity.





CUTTING

We produce millimetre-precise designed cuts for your project.

- Roll width up to 1.80 m
- Camera module available for exact positioning
- Thicknesses up to 50 mm possible

Knife cutting of:

- Films
- Foam
- Textiles
- Cardboard, corrugated cardboard or paper for packaging, envelopes, cards, etc.

MILLING

We mill non-ferrous metals, plastics and woods up to a thickness of 20 mm. Precise, clean and true to shape.

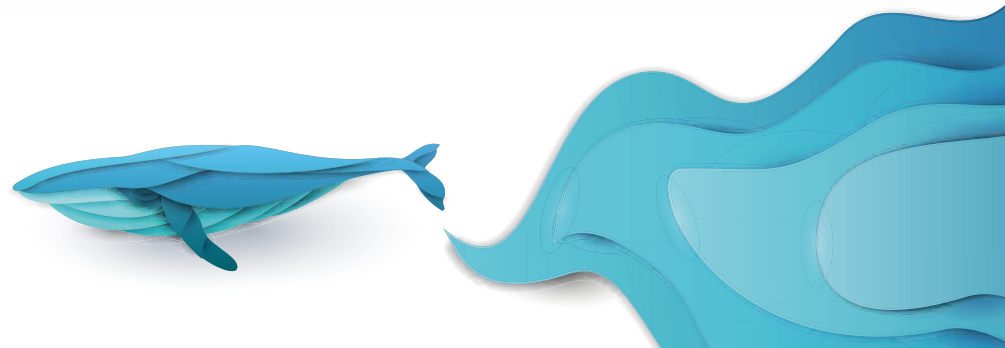
For your project we mill:

- Metal
- Wood or wood composites such as MDF boards
- Plastics
- Textiles, leather and felt
- Acrylic and plexiglass
- Rubber and foam
- Cardboard, corrugated cardboard or paper for packaging, envelopes, cards etc.

3D PRINTING

In the 3D printing process, plastic is applied layer by layer and a shape is created from it.

3D prints in the FDM / FFF process with a double extruder and a minimum layer thickness of 0.05 mm, are possible in maximum sizes up to 30.5 x 30.5 x 60.5 cm.



OUR MACHINERY

Our machinery offers the right solution for almost every requirement. We primarily work with machines from **Eurolaser, Trotec, Zünd und Trumpf**.

We will be happy to advise you when it comes to making a purchase.

EUROLASER M-1600 „ÜBERLINGEN“

The Eurolaser M-1600 cutting machine offers cutting and engraving applications for the highest demands. By optionally equipping it with the eurolaser shuttle system, productivity can be increased even further with a machining area of 1330 x 1630 mm. This combination is particularly suitable for film, acrylic, wood and textile applications.

- 400 watt laser power
- 1330 x 1630 mm machining area
- Camera module

EUROLASER XL-1200 „MEERSBURG“

With the XL-1200 laser cutting and engraving machine, Eurolaser offers the possibility of machining with particularly wide materials while keeping the dimensions of the system as small as possible. The machining area of the laser system is 2270 x 1230 mm. Camera recognition, which is also available for many other machine sizes, can be used to automate production sequences for printed materials and thus further improve the cost-effectiveness of laser machining.

- 200 watt laser power
- 2200 x 1200 mm machining area
- Camera module



EUROLASER L-1200 „LINDAU“

The L-1200 laser cutter and engraving system offers unique precision and cutting quality at the highest cutting speeds. These can be adjusted by the individual laser powers depending on the material to be processed.

All Eurolaser cutter systems are available with laser powers between 60 and 650 watts. For you, this means application-specific efficiency.

- 1800 x 1230 mm
- Shuttle table automation
- Camera module

TROTEC

Created for flexibility

Every conceivable CO₂ laser application, as well as annealing or metal engraving, can be implemented in no time at all. The special feature of the patented Flexx Technology™: Depending on the material, the two laser sources are activated alternately – in one job, without manually changing the laser tubes, lens or focus.

Thanks to the multifunctional table concept, the ideal table can be selected and easily exchanged depending on the application. This ensures the highest machining quality and productivity. Take advantage of the modular concept and you can also select different lenses or further options such as a pass-through or a circular engraving device.

- 80 watt Co₂ laser
- 20 watt fibre laser
- 1000 x 600 mm machining area

ZÜND G3 L2500 „FRIEDRICHSHAFEN“

Uncompromising in terms of performance and precision: The G3 cutter system is based on the most flexible, adaptable and easily expandable machine concept on the market.

- Milling option
- Extensive tooling available
- 1800 x 2500 mm
- Camera module



TRUMPF

The next generation of lasers

The demands that are made in terms of laser engraving, stripping, marking and tempering are constantly increasing. That is why we have decided to invest in the future with the TruMark 6030 marking laser.

The new laser generation delivers high performance and brilliant beam quality, for optimal results. Thanks to the new 3D functionality, another dimension opens up.

Modern image processing solutions and high productivity increase the performance and quality of the markings.

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