



TRUMPF

Add TRUMPF. Add value

Solutions for machine and
systems engineering

Going for success – together

Have you recently entered the world of industrial lasers and are looking for an experienced partner to assist you? Or are you already a proficient laser user, with very specific requirements?

When it comes to finding solutions for machine and systems engineering, TRUMPF is your ideal partner. We are always at your side – from the initial idea, to optimizing the parameters for your task, through to the commissioning stage at your customer's site and subsequent service. Together, we can generate added value.

With TRUMPF, you benefit from high-quality components, consultations with specialists, and global service from one supplier.



In five steps

By working together, we can help you generate added value. We use a step-by-step approach based on collaboration.

- First contact: We combine our expertise to tackle your project.
- Implementation: Our laser technology meets your requirements.
- Winning trust: Preliminary acceptance is a success.
- Project kick-off: We assist you and your customers.
- Pushing forward: With us always at your side.



Solutions for your industry

As a machine and systems engineering specialist, you are the expert in understanding your customers' needs. When it comes to laser components, put your trust in the solutions offered by TRUMPF. We will assist you with all the experience and specialist expertise that we have accumulated from all industries – including yours:

- Automotive
- Electronics
- Medical technology
- Climate and energy technology
- Household appliances
- Steel and metal building
- Home construction
- Furniture
- Security technology

The right idea

If you are wondering whether laser technology is the right solution for your project, we can figure this out together. Just get in touch with TRUMPF. Our experts for your industry will be happy to provide you with information on the application possibilities of laser technology and any current trends. We will explain the capabilities of our laser systems that are relevant for your task, without any obligation.

Together, we will turn your ideas into reality – and our mission is to help you succeed.



Partners from day one



The background of the slide features a close-up of a laser cutting machine's nozzle positioned over a complex, metallic part. The machine is emitting a bright blue laser beam. Overlaid on the scene are various technical drawings, including a large circular diagram on the left and several rectangular technical sketches on the right and bottom. The overall color palette is light blue and white, with a large, semi-transparent light blue circle on the left side of the image.

The right parameters

Once we have established the concept, we will test it together with you in one of our nine global TRUMPF Laser Application Centers. Our meticulous tests help us to establish the optimum laser parameters required for your task. Any components produced during this phase are handed over to you, so that you can carry out your own tests.


Our specialists will provide advice regarding laser safety, beam guidance, and sensor systems. We will offer suggestions on the best way to integrate the laser system into your machine concept.



The idea becomes reality

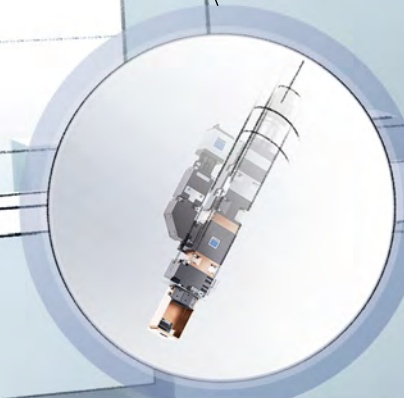
All you need for your project

With large plants, there is a lot to take into account. TRUMPF can assist: perfectly matched components from one supplier and unrivaled worldwide service.

 With us you will never lose track

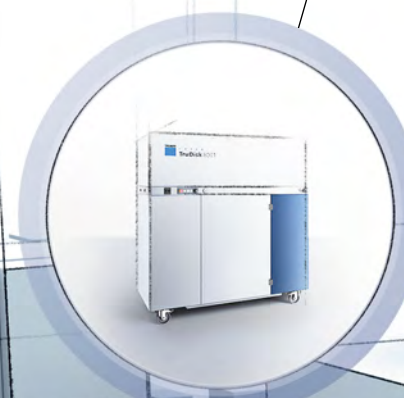
Processing optics

Robust processing optics and laser light cables for reliable results. TRUMPF offers modular, adaptable optics systems that are custom-made for Industry 4.0. Integrated additional functions such as sensor systems optimize the production sequence.



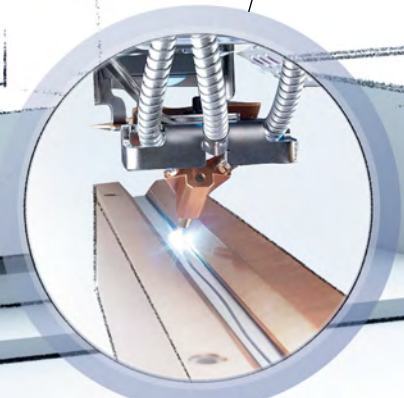
Laser

The perfect laser for any task. TRUMPF is the only supplier that can provide any type of beam source with industrial suitability: CO₂ lasers, diode lasers, fiber lasers, marking lasers, short- and ultrashort-pulse lasers, as well as our disk lasers.



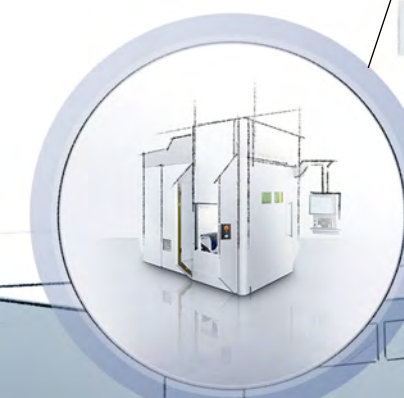
Sensor system

For optimal processes and precise documentation. TRUMPF can offer reliable sensor systems for many tasks: image processing, welding depth monitoring, temperature control, seam position regulation, and measurement of the weld seam geometry.



Laser systems

Perfect coordination. With our laser systems for 2D and 3D cutting, welding, marking, tube cutting, and additive manufacturing, we can offer you complete solutions, so you can get started right away. Intuitive user interfaces on control panels and software use multiconnection interfaces to form the ideal control concept.



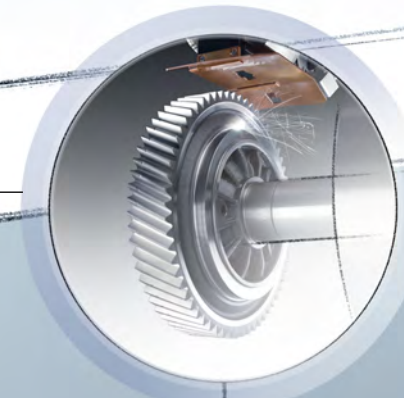
Digital networking

Fit for the future. Seize the opportunity of digitalization with TRUMPF Condition Based Services: your customers see more, know more, and are perfectly prepared for the challenges of the networked Industry 4.0.



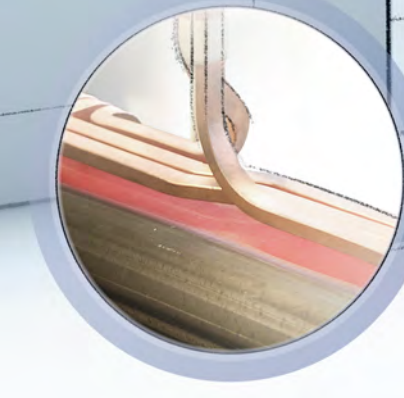
Applications

All manner of industrial laser applications. TRUMPF provides solutions for the cutting, laser precision cutting and welding of metals and plastics, and for laser metal deposition (LMD), soldering, laser marking, drilling, ablation and hardening.



Power electronics

A stable process power supply. The TRUMPF Hüttinger portfolio offers everything you need for this, including generators for inductive heating for challenging laser welding tasks.



Services

The best service in the laser technology sector across the globe. We also offer fast remote support, on-site training, process data analyses, and programming. Our mission: to increase the availability and productivity of your machine.





Let's get started

Once you have decided to use a TRUMPF laser system, we will assist you with all of the important steps through to the preliminary acceptance by your customers.

Our service engineers are there to assist you with every assembly step, either over the phone or on-site by request. They will help you to integrate the individual components, to comply with all of the relevant laser safety regulations, and to coordinate all of the interfaces. Our ambitious common goal: for everything to run smoothly for the preliminary acceptance and to satisfy your customers completely.



Giving 100% for your big day

Set into motion

The preliminary acceptance was a success, so now the next steps are the assembly and commissioning at your customer's site. You can completely count on assistance from TRUMPF through the final steps. We can assist you with commissioning all of the laser components, and we are available if your customers have any questions.

Upon request, we can provide your customer's employees with an introduction to laser applications, or offer comprehensive training specifically targeted to the particular needs of your customers.



Successful completion



Service anytime and anywhere

Put your trust in our global service when it comes to all the laser components. TRUMPF is the only provider of industrial lasers and laser components to offer you and your customers a truly global network, with 71 service sites and more than 1,600 service engineers. We are always nearby.

With the TRUMPF Condition Based Services, your customers can keep track of all information and conditions relating to their laser systems at all times. Thanks to active analysis by algorithms and service experts from TRUMPF, your customers can benefit from high technical availability and productivity.



A partnership beyond the project



“What I really appreciated was that from the outset to the very end of our project, there was always someone available at TRUMPF to answer our questions.”

Michaela Havlíková (Czech Republic),
mechanical engineer



“As a newcomer to laser technology, I am delighted that I had such an experienced partner. Already the first consultation helped me a lot.”

Ian Robertson (USA), designer



“It was a huge help that the TRUMPF service engineers were always available, even during the setup and commissioning stages.”

Matthias Förster (Germany),
plant mechanic



“The relevant operator courses for using the laser system took place before the commissioning stage. This helped us to save a lot of time.”

Sota Miyamoto (Japan),
automation technician



“We were able to carry out the pretesting directly within the Laser Application Center in China. This made things simpler.”

Yue Lee (China), project manager

Let's face this together

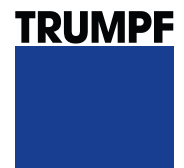
Are you planning to use laser technology for your next project? Or are you still debating whether laser technology is the best solution for the task at hand? Let's work together, so you can take advantage of our competence as the leading manufacturer of industrial laser systems, with the best service network across the globe.

Reach out at any time, with no obligation. Our qualified staff in industry management, product management and sales will be more than happy to help.



You can find out more about our products and events for machine and system engineering at our branch page:
www.trumpf.com/s/mpe

TRUMPF is certified to ISO 9001
(Find out more: www.trumpf.com/s/quality)



TRUMPF Laser- und Systemtechnik GmbH
www.trumpf.com