



TRUMPF



TruServices

Your Partner
in Performance



“Coated bending tools save us time and effort.”



“We wanted to reduce the effort it takes to clean our bending dies when we machine galvanized sheet metal. Our machine operators were spending up to 25% of their time on that task alone. The TRUMPF bending tool specialists advised us to use specially coated tools. Thanks to the bending tools coated in LASERdur ZN that we use now, we’re not only saving time but also benefiting from longer tool life and higher quality parts.”

K-Metall, Sven Kölbel, Managing Director

“We wanted to find a faster way of producing our housings for light dimmers and smart home applications so that we could meet the steady increase in demand. The punching tool experts gave us a wealth of advice that I really, really appreciated. With the TruPunch 3000 and the right tools, we can now produce many of our parts in a fully automated process on just one machine. That cuts the time it takes by up to 75%.”

Future Automation, Jack Percival, Chief Designer



“We needed to make our punching operations faster and more efficient.”

“The spare parts delivery service was fast and reliable.”



“Our punching machine ran perfectly for 24 years. Then suddenly the punch holder broke, just when we were about to start on an important job. I called the technical support team, and just 22 hours later the replacement part arrived and we were able to get down to work.”

Roxell, Arthur Showalter, Supervisor Maintenance



“TRUMPF’s innovative technical support solutions save us money.”

“It took virtually no time at all for the TRUMPF technician to pinpoint the cause of the rattling sound in our machine – and he didn’t even set foot in our plant! He used the Visual Online Support app to guide me through the troubleshooting process step-by-step. It was just like having a technician standing right there next to me. Reducing the number of times we have to call out a service technician has saved us a lot of time and money.”

Wieneke Anlagenbau und Verfahrenstechnik, Alexander Wieneke,
Managing Director

What do you need to succeed?

Satisfying ever more demanding customers and a continually evolving market requires highly flexible production processes. To stay successful and competitive as a manufacturer, you need the support of a reliable partner. From making repairs to optimizing your entire production process, we can work together to find the best way of solving the challenges you face. Discover our comprehensive range of services.

TruServices. Your Partner in Performance

To be successful in the future, you need the right services to keep you on track for the long term. Do you want to create the perfect manufacturing environment or make the best use of your TRUMPF equipment and tailor it to your evolving needs? Whatever the case, we're on hand to help you maximize your added value and lock those benefits in. TRUMPF is the right choice if you're looking for a reliable partner that can support you with a wide range of custom solutions and service packages, ensuring that your manufacturing business continues to be a resounding success.

EMPOWER

Looking to create the best conditions for successful manufacturing? We can give you the support you need.

SUPPORT

Are flexibility and machine availability top priorities in your ongoing manufacturing activities? We're on hand to help.

IMPROVE

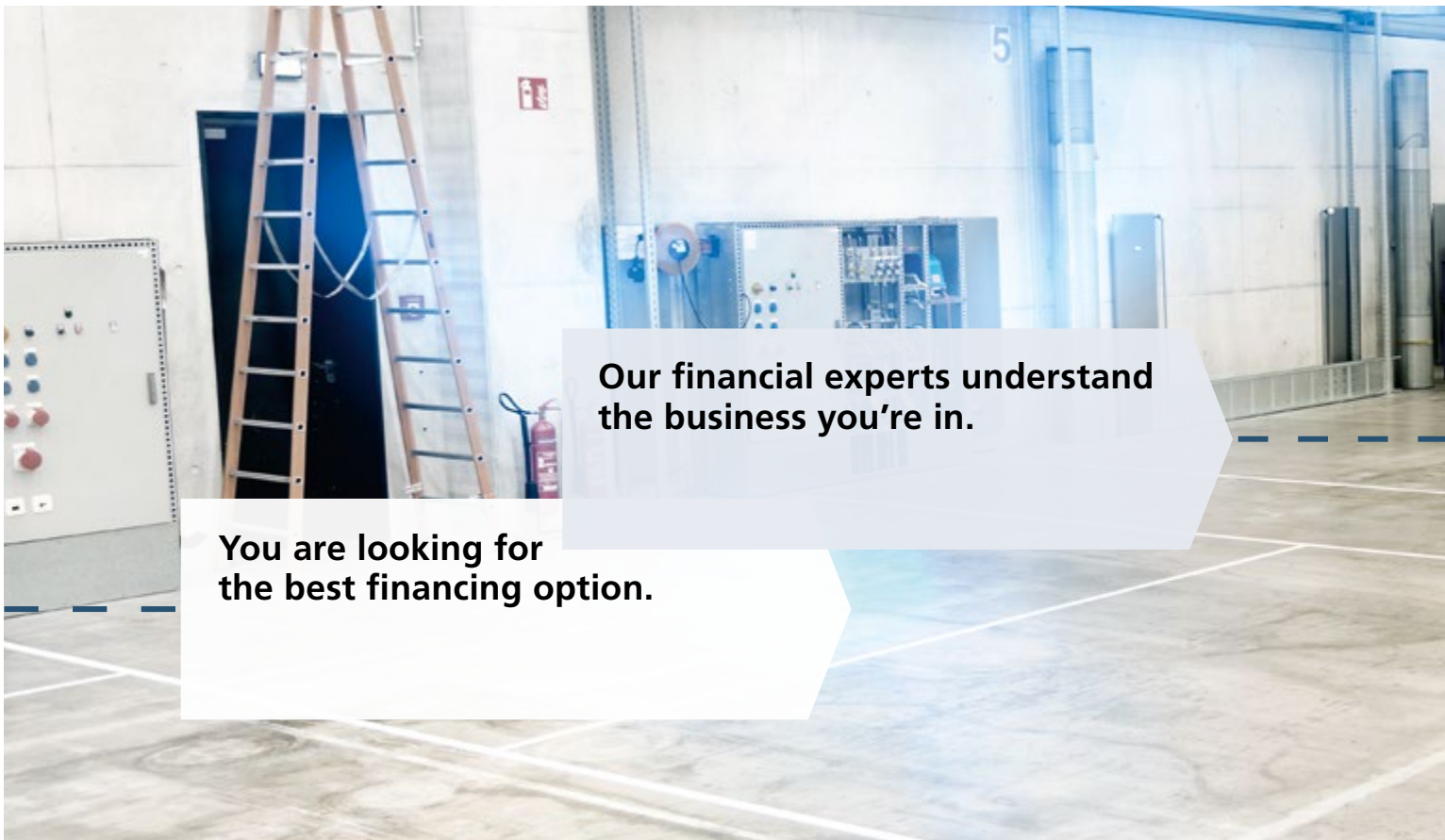
Do you want to gradually shift your production processes towards maximum added value? We can achieve that together.



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Financing

Are you thinking about investing in a new TRUMPF system or upgrading your existing equipment? Our finance solutions will reduce any uncertainty you may have by letting you decide whether to buy, hire-purchase or lease a machine and whether to pay for it outright or based on usage. You benefit from a simple financing option straight from the manufacturer that is tailored to your situation and market requirements.



You are looking for the best financing option.

Our financial experts understand the business you're in.

Retain or return

Leasing a machine with a termination agreement leaves the choice in your hands: on expiry of the basic lease term (at least 40% of the depreciation period), you can choose whether to continue using your TRUMPF machine or return it to us.

Pay per use

Choose our operating lease financing option to create flexible manufacturing capacity. Lease rates are calculated based on how much you actually use the asset.

Convenient payment schedule

A hire-purchase agreement lets you get straight down to work while paying for the machine in installments that we both agree on. You can also choose your preferred method of depreciation and the subsidies you would like to apply for.

We can provide you with sound advice right from the start by not only helping you choose the right TRUMPF product, but also a custom financing solution that meets your needs. Does your company do business internationally? Contact us to find out more about our flexible, cross-border financing options. Together, we will find the best solution for you.



Take advantage of subsidies

Reap the benefits of a TRUMPF investment loan to finance the net purchase value for eligible investments. Take advantage of subsidies to make special repayments to reduce your installments.

- Financial advice straight from the manufacturer.
- Arranged quickly and easily by our own bank, TRUMPF Financial Services.
- Cross-border financing options available worldwide.
- Higher residual values than with conventional banks thanks to our industry expertise.

Online comparison: The financing option that works best for you on: www.trumpf.com/s/ifmyuj

Pre-owned Machines

There are lots of good reasons to buy a pre-owned machine – and no reason to put up with poor quality! A pre-owned machine from TRUMPF is a solid investment that meets the highest standards of quality and boosts your manufacturing business over the long term. Regardless of whether you're looking to buy or sell a pre-owned TRUMPF machine, our team of resale experts is on hand to help. We can give you comprehensive advice on purchasing pre-owned machines that have been reconditioned inside and out, including all the information you need on warranty conditions, service agreements, and trading in your own pre-owned machinery.

**First-hand expertise
and advice.**

**Second-hand
high-quality machines.**

Always buy proven quality

Pre-owned machines from TRUMPF meet the highest quality standards in terms of durability and reliability. All the machines undergo strict, comprehensive quality inspections before they leave the factory again. They are checked by experienced service engineers and re-conditioned inside and out – and of course we only use Genuine Parts! Installation and commissioning is also carried out by TRUMPF technical support staff.

Certified quality, excellent condition:

- Certified accuracy based on a TRUMPF test workpiece.
- Certified cutting quality at maximum sheet thicknesses.
- Comprehensive support worldwide through the Technical Service.

The simplest way to replace machinery

Thinking of buying a TRUMPF machine? We can take your pre-owned TRUMPF machine in partial payment. We guarantee that the process of removing the old machine and installing the new one will be hassle-free, because we know how important it is that everything runs on schedule. We work with you to find the best time to deliver and install the new system to keep downtime to a minimum.

TruBend 5



What you can expect:

- Attractive prices based on objective machine valuations.
- Price guarantee and reliable payment processing.

- Machines reconditioned inside and out by the original manufacturer.
- A smooth process for exchanging machinery that minimizes downtime.
- The same comprehensive support you get when buying a new machine.
- TRUMPF quality – including the warranty.
- Easy sale and repurchase arrangements.

Online offers: To browse our current selection of pre-owned machines at attractive prices, visit: www.mytrumpf.com/um

Training

The sheer pace of technological change is transforming our everyday work and creating new challenges. Stay on the ball and gain a competitive edge by signing up for our in-depth training program. We can give you useful insights into specific products and valuable solutions, helping you optimize your manufacturing activities and boost productivity. Depending on the subject, you'll learn directly at a machine, in our modern training facilities, or online in a virtual classroom. We provide you with practical, effective, expert knowledge on all aspects of your production activities.



Our training program extends your lead over the competition.

Every training session deepens your knowledge and understanding.

Gaining knowledge to optimize processes

Operator training

Our basic operator training courses are designed to teach you or your personnel how to handle our machines safely. Our more advanced courses offer additional in-depth insights into the processes involved and introduce you to new ways of making your daily work more efficient. Learn to plan smooth, efficient processes that maximize your output.

Maintenance training

Boost the reliability of your production facilities and increase the availability of your machinery by discovering how to maintain TRUMPF machines and systems. Learn the key skills you need from us, and then apply those skills to minimize the risk of downtime, maintain the value of your assets, and manufacture products of consistently high quality.

Software training

Become a pro at using our software by learning key skills such as programming. Our modular training program is also designed to show you how different software packages interact. And our more advanced courses will take you on a step-by-step journey into the world of networked manufacturing.



- Experienced instructors, innovative training methods.
- Hands-on machine training.
- Effective learning thanks to a balanced mix of theory and practice.
- Broad selection of training opportunities ranging from beginners to experts.
- Multiple training centers worldwide.



Sign up for training: You can book training opportunities in Ditzingen through the training calendar at: www.mytrumpf.com/training
To book training sessions at other sites, please contact your local representative.

Service Agreements

Our service agreements offer a range of service packages to help make your manufacturing business run more smoothly. By bundling together different services, we can offer cheaper packages with less hassle and complexity, so you can simply choose the package that best suits your needs at a fixed price you can budget for. Continuous access to professional support maximizes machine availability over the long term, ensuring consistently high production quality and low running costs. Regular servicing by the manufacturer also increases your machines' service life.



**And improve production quality
at a cost you can budget for.**

**Choose the easiest
way to maximize machine
availability.**

Flat rate for remote support services

Even our most basic package quickly pays off: It includes unlimited access to our technical hotline and Teleservice without any additional costs or hassle. That makes troubleshooting faster and can often save you the cost of an on-site service mission – in fact, over two thirds of all incidents can be resolved remotely!

Maintenance included

In addition to unlimited use of our hotline and Teleservice, our more comprehensive package also includes regular, predictable maintenance at scheduled intervals. That means you can enjoy optimum availability, productivity and process quality while leaving us to service the machine on schedule. When that moment arrives, we'll arrange a time that suits you.

All-inclusive package

The best way to cover all eventualities: Paying a fixed annual fee makes it easier to budget for the maintenance and running costs of many TRUMPF products. As well as our remote troubleshooting for support and maintenance services, this package also includes repairs and any spare parts that may be required. It's easier to plan ahead when you know exactly how much things will cost!



- Periodic optimization of your machines.
- Consistently high production quality.
- Longer service life.
- Predictable costs thanks to fixed-price packages or annual fee.
- Makes planning and arranging servicing easier.

Technical Service

Do you want to get fast access to technical service? Or take proactive steps to maximize the availability of your TRUMPF system? Our global network of service teams is here to help! Whether your manufacturing business is based in Europe, America, or Asia, you can count on fast and professional support worldwide, covering everything from installation to maintenance and repairs. Simply call our Technical Service team and talk to a specialist to decide which is the most efficient way to handle your particular case – an on-site mission by one of our service engineers or troubleshooting with our Teleservice.

**When you need us,
we're there.**

**Preventative action
is even better.**





Stay at your best with professional maintenance

Regular servicing is a great way to keep your machines fully up to speed. Perfectly tuned machinery helps you avoid any unexpected incidents and ensure consistently high-quality manufacturing. When it comes to servicing, you can be sure of getting great support from our Technical Service team. Have your machine serviced in accordance with our globally consistent standards with full documentation. And you can rest assured that our service engineers exclusively use Genuine Parts to keep your

machines operating at peak performance. If you're looking for a sustainable way to maintain high standards at all times, we recommend making a service agreement.

And we can offer that wherever you are

Over 1,600 highly qualified TRUMPF service engineers are on hand to give you whatever help you need, so you can get fast and effective technical support wherever you are. Our technicians keep their knowledge up to date so our customers benefit from the very latest expertise. We use a standardized worldwide method of documenting every service mission, from the moment you make contact until the incident is resolved. All the relevant information is available to every TRUMPF support specialist during a call-out and can be accessed as needed. This high level of transparency enables our service engineers to quickly find a sustainable solution to the problem so that you can get back to work as quickly as possible.



- Qualified TRUMPF service engineers.
- High standards of service worldwide.
- Fast responses and lower costs thanks to innovative services.

Get things sorted faster with our innovative services

If you're looking for practical expertise and experience, you can count on our in-house technical support staff. We offer a range of innovative support services that make diagnosis and troubleshooting faster and more efficient. These tools make it quicker to share information, so every interaction with the customer takes us another step closer to solving the problem. Often finding a solution doesn't even require an on-site visit by one of our service engineers – two thirds of all cases can now be resolved using remote diagnostics in the form of Teleservice or Visual Online Support.

Teleservice support to minimize downtime.

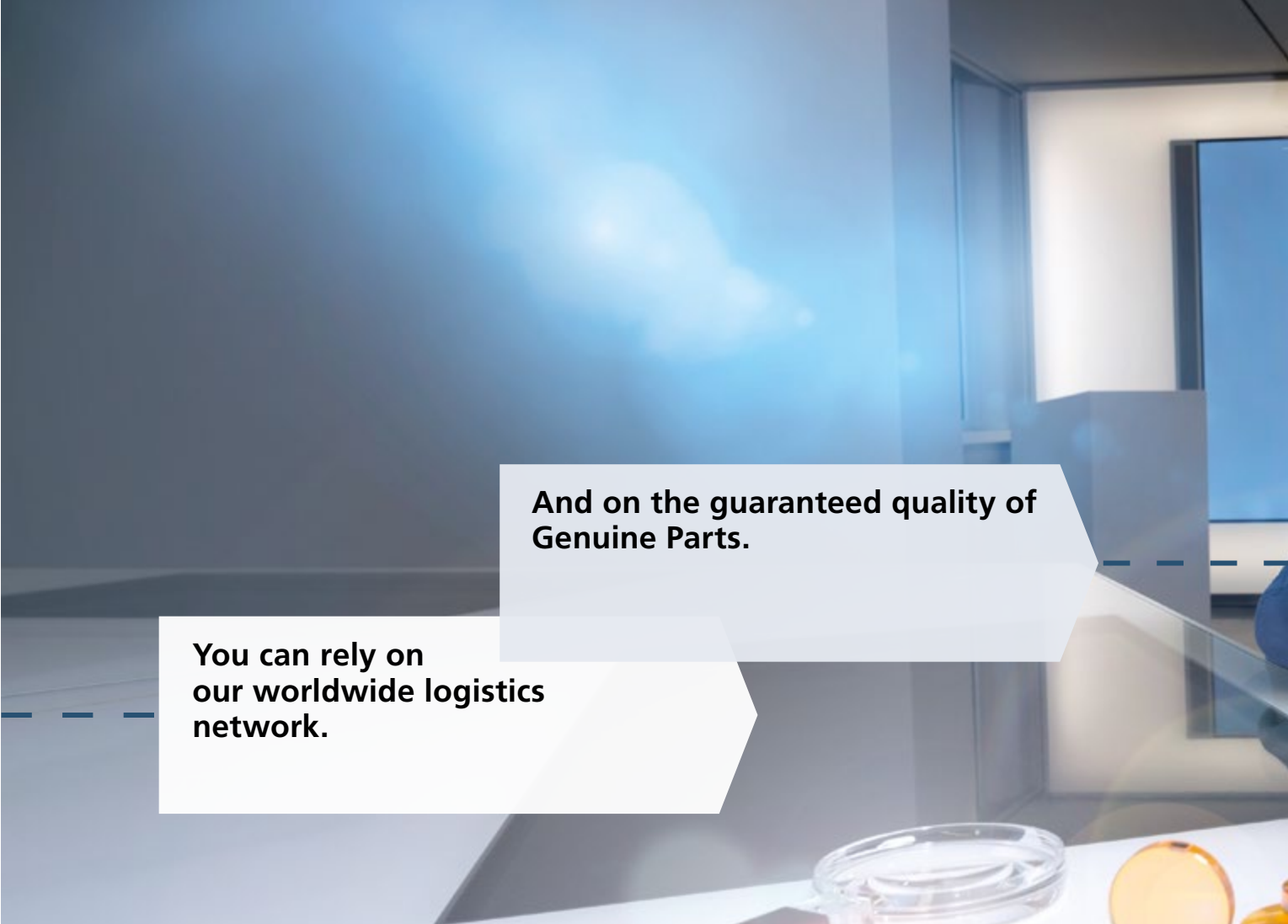
Use our remote troubleshooting support to get your production line up and running again as quickly as possible. Once your operator has granted us clearance to proceed, our service engineers access the machine control system remotely. That allows them to quickly identify errors, rapidly determine the causes, and get straight down to finding solutions. The TRUMPF telepresence portal ensures that all the data is transferred securely.

Save time and money with Visual Online Support.

Based on a user-friendly app, this service allows you to share images, audio and video files with our service engineers. This can quickly help to resolve even fairly complex issues without calling out a service engineer. That maximizes machine availability and saves time and money.

Genuine Parts

Manufacturing with optimal reliability and precision: Genuine Parts and Consumables are perfectly tailored to your machine and produced to the highest standards of quality. Our worldwide logistics network ensures you receive the parts you need as quickly as possible. Enjoy efficient and reliable manufacturing with Genuine Parts from TRUMPF, ensuring that your investment will pay off over the long term!



**And on the guaranteed quality of
Genuine Parts.**

**You can rely on
our worldwide logistics
network.**

Highly reliable processes

To maximize production quality, all the parts and components of your system need to work together in perfect harmony. Right from the development stage, TRUMPF ensures that all its Genuine Parts, machines, lasers and laser systems interact perfectly. Our plug-and-play approach offers reliable processes and high production quality and eliminates the need for time-consuming setting work. TRUMPF is determined to maintain the highest quality standards in the future and continuously to improve its Genuine Parts.

Fast delivery

To minimize downtime in your production plant, you need spare parts to arrive as quickly as possible when you order them, regardless of whether you're based in Europe, America, or Asia. TRUMPF dispatches most orders the day it receives them, and our worldwide network of distribution and logistics experts strives to ensure fast and reliable delivery. You also have the reassurance of knowing that our spare parts will be available for the long term.

- High quality straight from the manufacturer.
- Fast delivery through worldwide logistics network.
- Minimal adjustments needed thanks to plug-and-play technology.
- Parts are constantly being further refined.
- Long-term availability of spare parts.



E-Shop: The easiest way to order Spare Parts and Consumables: www.trumpf.com/mytrumpf

Tools

Whether you're punching or bending sheet metal, you need tools that offer precision and flexibility. TRUMPF tools provide a remarkably economical and efficient way of making a broad range of parts. Together with TRUMPF machines and software, they form the perfect ensemble. Our experienced tool experts can give you in-depth advice on standard tools, special-purpose tools and customized solutions. They'll help you find the right tool for your application and advise you on the overall process as well as offering tool-related services and useful tips.

Plus the expertise you need for your applications.

Tools designed to be perfectly compatible with your machine.



E-Shop: The easiest way to order tools:
www.trumpf.com/mytrumpf



Open knowledge transfer

Having TRUMPF as a partner gives you access to expertise gained from over 40 years of developing and producing punching tools and over 20 years developing and producing bending tools. So we can give you the help you need to find the right tool for your application, whether that ends up being a standard tool or a custom solution. Free apps based on our years of experience in the industry make your everyday work easier: PunchGuide and BendGuide give you a fast, mobile solution for calculating punching and bending parameters.



Apps for iOS:
www.trumpf.com_s_03sba9_35_itunes-store



Apps for Android:
www.trumpf.com_s_at3xk7_35_google



Reliable processes, great results

By choosing and combining the right machine, tool and software you can create a reliable process that produces high-quality parts. TRUMPF can provide you with all the components you need for efficient manufacturing. Our specialists will help you choose from our extensive range of tools to find a solution that meets your individual requirements.

Ready for action

To process orders quickly, you need quick and easy access to all the necessary resources, including the right tools. Our tools give you more of a competitive edge thanks to maximum availability and fast delivery times. Order our standard punching tools by 12 midday and we'll dispatch them the very same day thanks to our connected production network. And if you order standard tools for bending machines, we can generally deliver ex works on the same day.

In many countries, you can simply order your tools online via our MyTRUMPF customer portal. You can also use this portal to download special tool data prior to delivery so you can start manufacturing straight away as soon as the tool reaches you.



- Great processing results with sheet metal.
- Durable, high-precision tools.
- Quick delivery.
- Personalized consulting and a range of services to help you get the most out of your tool.
- Biggest selection of tools on the market.



Process Optimization

Your processes are influenced by a whole host of different parameters, and adjusting those parameters can often unlock potential for optimization. Identifying that hidden potential is the key to making your production activities more efficient, and that's where we can help. Typical approaches include analyzing the design of your parts and the processes they go through, or even examining your manufacturing process as a whole. That gives us the data we need to help you develop selective or broad-based solutions that cut your manufacturing costs even further.

And help you open up new ways of enhancing performance.

We can help you improve your existing processes.

Increasing design efficiency

Our sheet metal experts can help you pinpoint the most appropriate and economical solutions for the parts you produce. The key is to optimize the function and logistics of your parts while reducing their weight and cost. Take advantage of our extensive expertise in novel engineering methods and the latest techniques in sheet metal processing, including the integration of upstream and downstream processes.

Expanding your application know-how

TRUMPF's wealth of experience and expertise offers you a key competitive edge. Our application consultants can help you expand your application know-how and optimize your processes. By visiting your plant and providing advice tailored to your specific needs, our TRUMPF specialists keep you up to date with the latest developments and guide you toward better results and lower costs.



Improving productivity through connectivity

Networked manufacturing allows you to bring together your colleagues, materials, and machines in a smoothly synchronized system, boosting your productivity and product quality. Our TruConnect modules offer the perfect stepping stones toward the goal of a smart factory. Our networked production experts will take a close look at your situation and help you develop the right strategy to achieve flexible and cost-effective production operations from order receipt right through to product delivery.

- Developing solutions together.
- Decades of experience with our own manufacturing processes.
- Expert know-how gained from multiple industries and applications.
- Boost the added value of your manufacturing activities.

Monitoring & Analysis

Do you like the idea of constantly keeping tabs on the current status and performance of your machine tools, laser system, or entire production facility?

TRUMPF offers monitoring and analysis products that take transparency to the next level. Monitoring machine status and processes in real time shows whether the actions you take have the effects you want. Plus, you save time and money by preventing costly machine and plant downtime and identifying potential savings.



And produce with yet greater efficiency tomorrow.

Recognize potentials at a glance today.

Condition monitoring

By logging data on the condition parameters of your machine and analyzing it online, you can constantly monitor the machine's current working condition. Some TRUMPF products offer an additional round-the-clock alert function that sends you an e-mail or SMS if there is any disruption to the process.

Performance assessment


TRUMPF monitoring and analysis products keep you constantly up to date with your key productivity figures. They offer a range of analysis capabilities, making it quick and easy to identify potential ways of optimizing your production activities, making targeted cost and time savings, and increasing throughput.



- Rapidly identify potential ways of increasing productivity.
- Track whether the measures you take are successful.
- Data transmission is secure and easy to monitor.
- Full transparency for your productivity figures.
- Detailed status reports on your TRUMPF systems.

Product Enhancements

Would you like to upgrade your TRUMPF system to meet new requirements – even one you purchased a long time ago? Product enhancements allow you to retrofit your machine with additional functions and new technological developments. That means you can gain the flexibility required to satisfy new customer requirements without having to replace your equipment.



It's a genuinely upgradeable manufacturing system.

It's not just a product you get from us.

Easy to integrate at a later date

You can easily integrate standard product enhancements in your TRUMPF machine at a later date without having to adjust everything from scratch. All the retrofittable enhancements we offer are perfectly tailored to your machine, and allow you to carry out completely new applications on your existing machine. Simply choose from the available modules, confident that everything will keep running smoothly!

Get more productive

An investment in automated machinery quickly pays off because it speeds up parts of the production process, produces higher volumes in the same amount of time, and ensures reliable manufacturing around the clock. Lock in these benefits by choosing the perfect automation solution for your TRUMPF machine – from semiautomated solutions to fully automated manufacturing cells.

Improve process quality

Would you like to improve the quality of your laser and laser system processes in order to deal with more demanding requirements? Together with TRUMPF, you can consider all of the available options and select the right solution to upgrade your system. Retrofitting process sensors makes it easier to monitor and control your production processes, so however demanding the application may be, your existing system is always up to the task.



- Flexible response to new market requirements and customer needs.
- Boost your productivity and profitability.
- Retrofit additional functions and new technological developments.
- Comprehensive support and advice on implementing product enhancements.
- Custom solutions for specific functions.



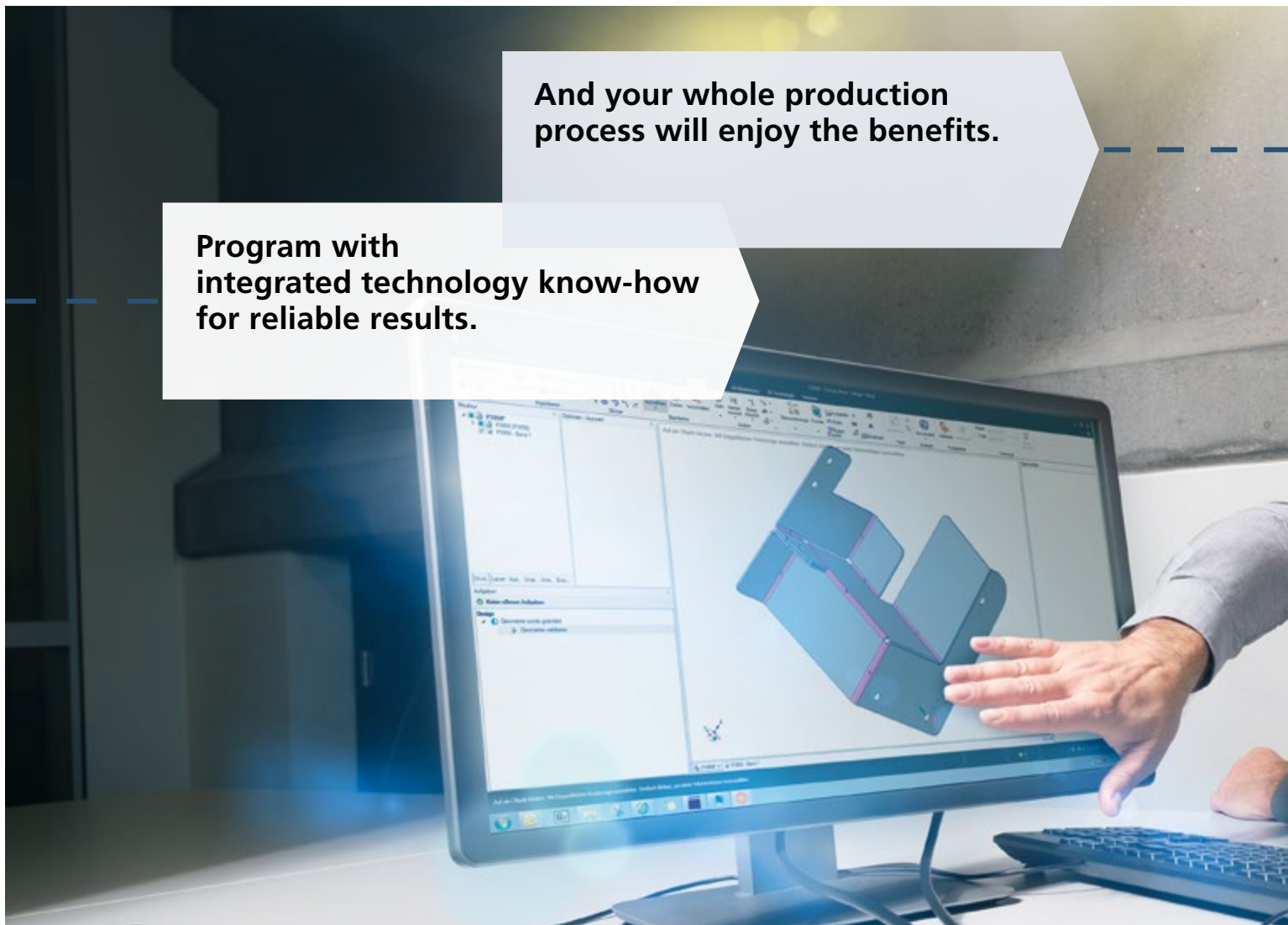
Further information at: www.trumpf.com/s/0wh36d

Design and Programming Software

Are you looking for ways to tackle challenges such as high-mix, low-volume manufacturing and fast delivery times? TRUMPF offers design and programming software that supports you with smart features and automated processes. As well as making your programming more reliable and effective, it also cuts down the number of process steps and routine tasks. Our software is tailored to your processes. It can help you nest jobs more efficiently, reduce your material costs, and improve your warehouse planning forecasts. And if you're looking for a software solution that covers the entire manufacturing process from customer inquiry to job completion and delivery, then you've come to the right place!

And your whole production process will enjoy the benefits.

Program with integrated technology know-how for reliable results.



Save time with automated features

TruTops software solutions make things more efficient when it comes to configuring all your different part geometries. The software automatically carries out frequently recurring steps in the process, saving you time on routine tasks.

Software with technological expertise

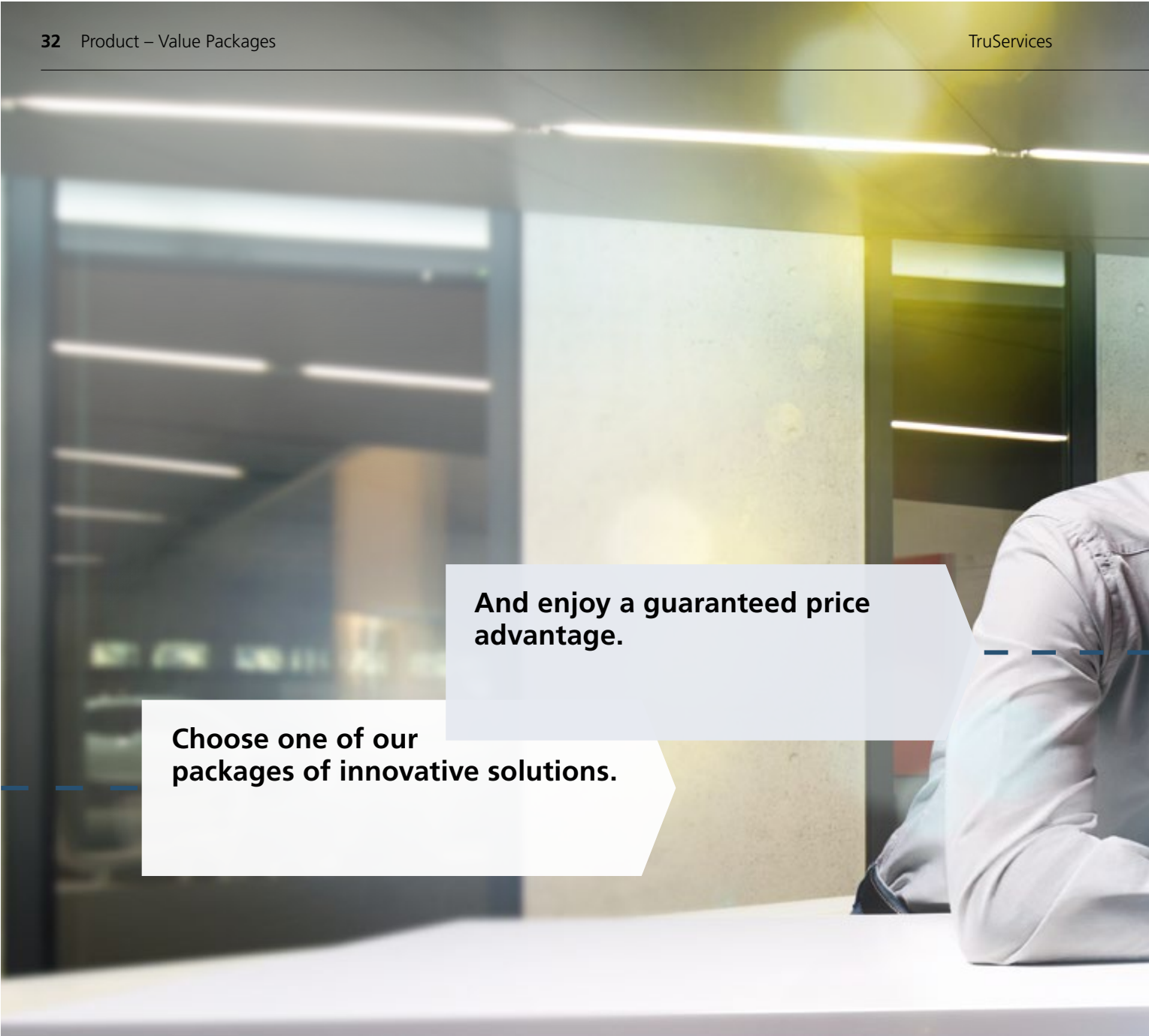
TruTops software offers all the features you need to prepare your production process efficiently, covering everything from the 3D part to the finished NC program. TRUMPF embeds in-depth technological expertise in all its software in the form of reference tables. So you end up with a top-quality production process with the most efficient and reliable machining operations.



- Worldwide software support.
- Future-proof, upgradeable software.
- Provides the best support for each machine function.
- Interfaces to other systems eliminate need for complex data migration.



Discover our extensive software portfolio at:
www.trumpf.com/s/uky3g1

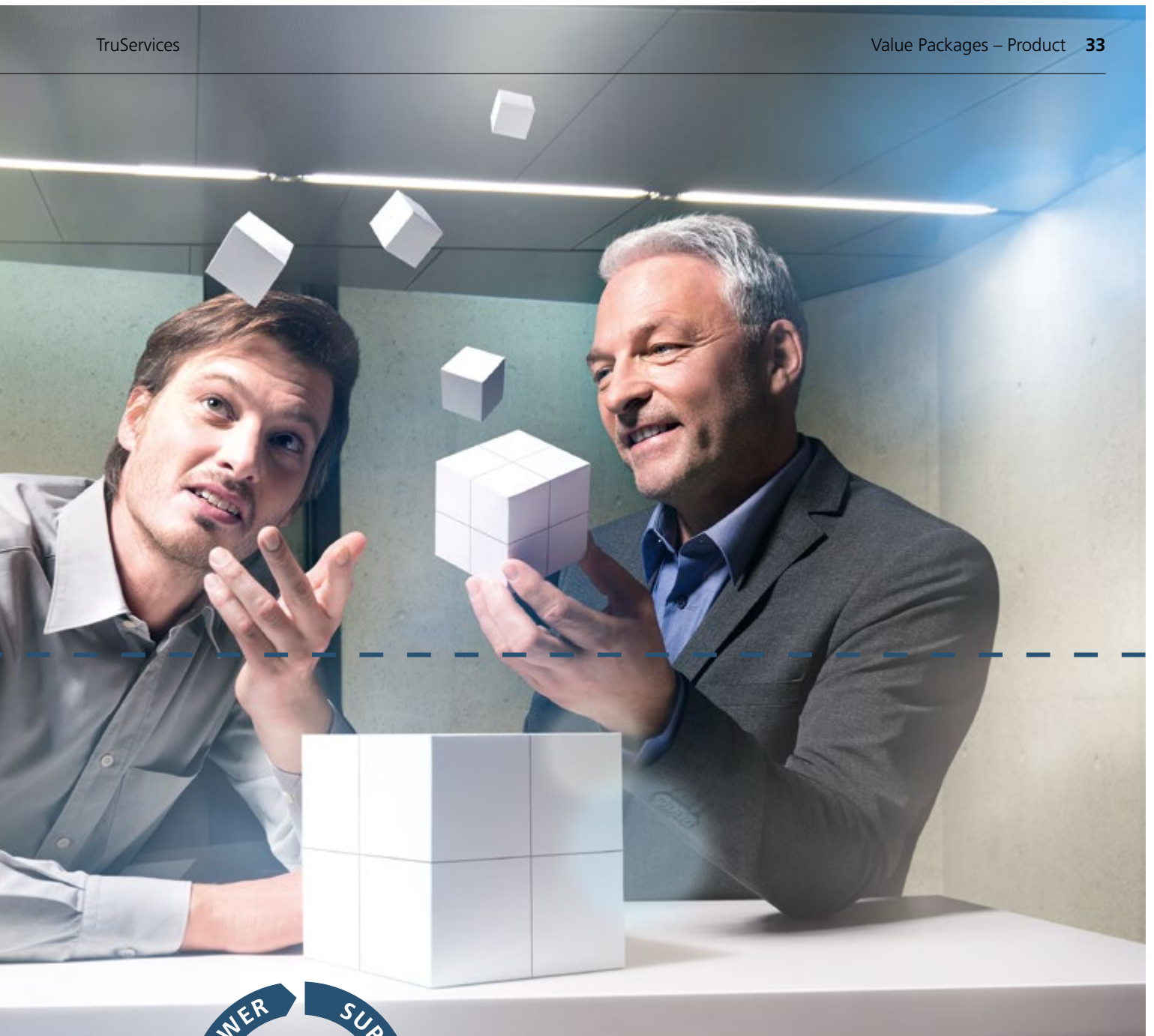


And enjoy a guaranteed price advantage.

Choose one of our packages of innovative solutions.

Value Packages

Whether you specialize in laser cutting, punching or bending, our solution-oriented value packages make your day-to-day work easier. Choose one of our bundled packages for the quickest and most streamlined way of simultaneously tackling multiple challenges in your production environment. Our value packages save you time and money and can be configured to meet your exact requirements. They work out cheaper than buying the same products individually and give you access to genuinely innovative solutions.



- Packages of effective solutions.
- Can be tailored to your needs.
- Bundled products work out cheaper.
- Easy to order – whole package under one part number.

Ask your local TRUMPF representative which value packages are currently available.

You can also obtain further information at: www.trumpf.com/s/hsrta8

Our motivation: A heart and soul commitment

Be it production technology, laser expertise or material processing: We develop highly innovative products and services which are tailored for industry and utterly reliable, and we do this for you. To offer you that convincing competitive edge, we give our all: our know-how, our experience and our heart and soul commitment.

Industry 4.0 – Solutions to shape your future

The fourth industrial revolution is transforming the world of manufacturing. To stay competitive on an international scale, you need to embrace the opportunities offered by digital connectivity. We can provide you with step-by-step assistance on your path toward digital manufacturing, offering pragmatic solutions to help make your processes more transparent, flexible, and cost-efficient. That gives you the confidence of knowing you're making the best use of all your resources and securing your future in the manufacturing sector.

TruConnect is the TRUMPF synonym for Industry 4.0. It offers a wide array of information-based solutions to connect humans and machines. TruConnect covers every step in the manufacturing process, from providing customers with an initial quotation to shipping the finished parts.



TruConnect
Your Smart Factory

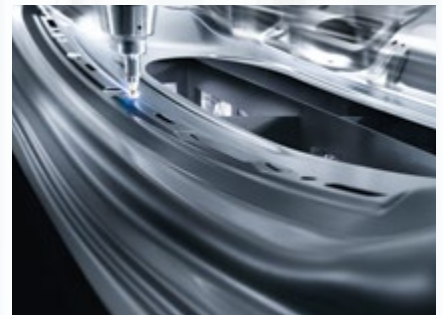


Check out our
YouTube page:
[www.youtube.com/
TRUMPFtube](http://www.youtube.com/TRUMPFtube)



Lasers for production technology

Whether on a macro, micro, or nano scale, we can offer you the right laser and the right technology to create an innovative and cost-efficient production environment for any industrial application. We can also provide you with appropriate system solutions, application know-how, and consulting services.



Power-supply systems for high-tech processes

From semiconductor manufacturing to solar cell production, our MF and RF generators supply electrical power for induction heating, as well as plasma and laser excitation at a clearly defined frequency and output, with high levels of reliability and repeatability.



Machine tools for flexible sheet metal and tube processing

From laser cutting and punching to bending and laser welding, we provide our customers with tailor-made machines and automation solutions for a versatile array of sheet machining processes. That includes advice, software, and services – in short, everything you need to achieve reliable production of high-quality products.



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



TRUMPF Werkzeugmaschinen SE + Co. KG
TRUMPF Laser- und Systemtechnik GmbH
www.trumpf.com