



**trotec**

# ***Speedy Series***

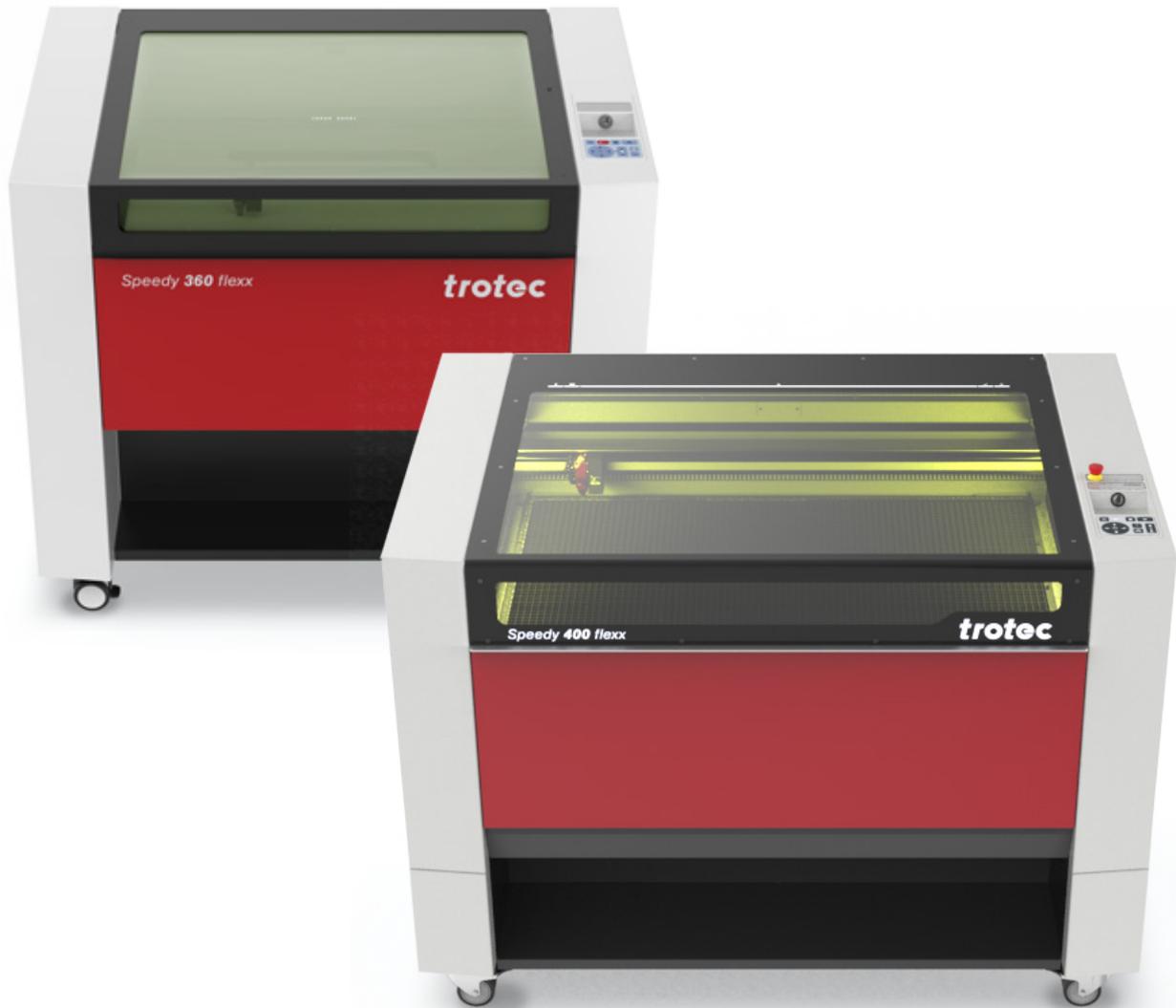
***Laser Engraving Systems  
Profitability by Design***

# ***Profitability By Design***



The Speedy series of laser engravers will inspire you with their speed, smart features and innovative technical design. For sign makers, graphic artists, schools and universities, creative or industrial users, our world-class solutions provide a true competitive advantage.

Personalization or customization creates significant added value for products made of wood, plastic or glass. Laser processing achieves crystal clear cut edges with no additional material processing required on acrylics. Serial numbers on metal parts are permanently marked for traceability. Prototypes can be created from cardboard or MDF. Whether you are starting your business or you are wanting to work more efficiently, our laser systems are designed for 24/7 operation and let you work quickly, productively and reliably.



The "Speedy" has been the fastest laser engraver on the market since its market launch in 1999 and continues to set new standards. Its current engraving speed is 4.2 m/second at 5g acceleration. The patented InPack Technology™ guarantees maximum runtime of the axles for reliable production. Full control and flexibility allow bi-directional communication between the laser and software. With a CO<sub>2</sub> and a fiber laser source in one laser machine, the patented Trotec "Speedy Flexx" innovation offers endless application possibilities.

The product line is 100% developed and manufactured in Austria and sold through 18 sales subsidiaries, increasing profitability for customers in more than 90 countries. We advise and support our customers. The Trotec Academy offers training on materials and technology, and we make sure that our service and field team are always up to date on their knowledge. Exhaust systems, laser and engraving material, and service products complete our product portfolio. As a manufacturer of high-tech laser systems, Trotec relies on the systematic expansion of its technological advantage, working closely with our customers to ensure this is possible.

# ***Speedy: All-round Talent In Various Industries***



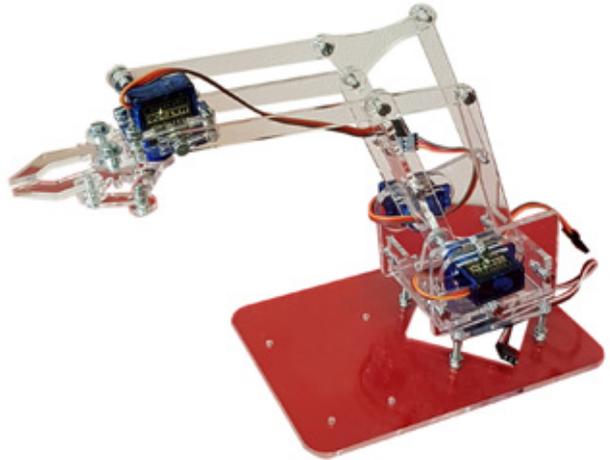
***Personalization with laser engraving  
Added value for the customer, more profit for the engraver***

Products that include a personal dedication are gaining in popularity. An engraver's field of application is very diverse. Companies and end customers can increase their business by expanding their product range. The offer for end customers is as varied as the materials. Whether you are talking about picture frames, wine glasses or pens - a personal dedication with names, text, logos or photos make these types of items very unique. Personalized signs, stamps, medals and trophies, data plates or various types of contract engraving of components can also be a lucrative business for companies, both as individual pieces or in mass production.

***Customization with laser engraving  
Unique items for customers, higher profits for the artisan***

Unique, individual and personal - people are putting value on the qualitative and quantitative value of handicraft work today and prefer creative individual items. Customized jewelry, gifts with a personal touch or decorative accessories for interior design are some of the most popular customer requests. Practically any design can be implemented with a laser. With individuality and attention to detail, products or artwork can be quickly and easily created and upgraded with a laser. Whether you are working with wood, glass, acrylic, leather or paper, contact-free material processing with a laser also saves time and money.

Based on the motto "Created for Profitability," the Speedy laser engraver has earned its reputation in various industries as the best solution for engraving, cutting and marking.



***Added value through laser engraving of promotional items***

***Economical production and consistent quality***

In the promotional merchandise industry, ballpoint pens, USB sticks and bottles are made of various materials such as stainless steel, anodized aluminum or other coated metals. Promotional materials made of wood such as chopping boards, knives or key fobs are also becoming increasingly popular. The goal is always durable, elegant and sustainable lettering. The challenge lies in the fact that the products often differ significantly in material, size and shape. With a laser machine, all parts can be provided with permanent and haptic engraving or marking, with no elaborate preparation. Once the laser settings have been set, the quality of the marking remains absolutely the same and post-production is easy to implement. Since there are no costs for printing plates, printing ink, etc., that must be covered, the costs per marking remain consistently low - no matter whether you are producing 1 or 1000 pieces. This means you can offer unbeatable prices on the market and increase your margins.

***From the idea to the product with laser technology***

***The ideal tool for prototyping and digital fabrication***

FabLabs, Maker Spaces, schools and universities use lasers in model making, industrial design, prototyping and also with many other DIY ideas and across many departments. The incredible and inspirational design possibilities offered by laser technology are also ideal for all types of art and design projects. Laser machines are used here to process a variety of different materials such as MDF, cardboard, or polystyrene. Laser technology gives users complete freedom in the development and implementation of all their ideas. By laser engraving and laser cutting, you can create inspiring designs in just a few process steps.

# Endless Application Possibilities

The Speedy laser engraving and cutting systems are the universal tool for many materials and applications. Expand your range with new product ideas.

Single pieces, small batches and large series can be produced inexpensively with a laser machine. Speedy lasers are used in many different applications.



Laser technology for digital fabrication in schools, universities and FabLabs



Laser engraving of data plates



Laser engraving anodized aluminum



Personalize awards and trophies



Crystal clear cut edges on acrylic signs



Photo engraving on acrylic



Laser cut filigree architectural models



Personalize promotional items



Laser engrave stamp text plates



Arts & crafts: Jewelry finishing



Personalize stone like marble or slate



Engrave and cut parking and door signs



Refine textiles like microfiber



© Zoran Dobric

Laser cut and engrave textiles



Engraving materials – laser engrave laminates



Paper finishing with laser cutting and laser engraving



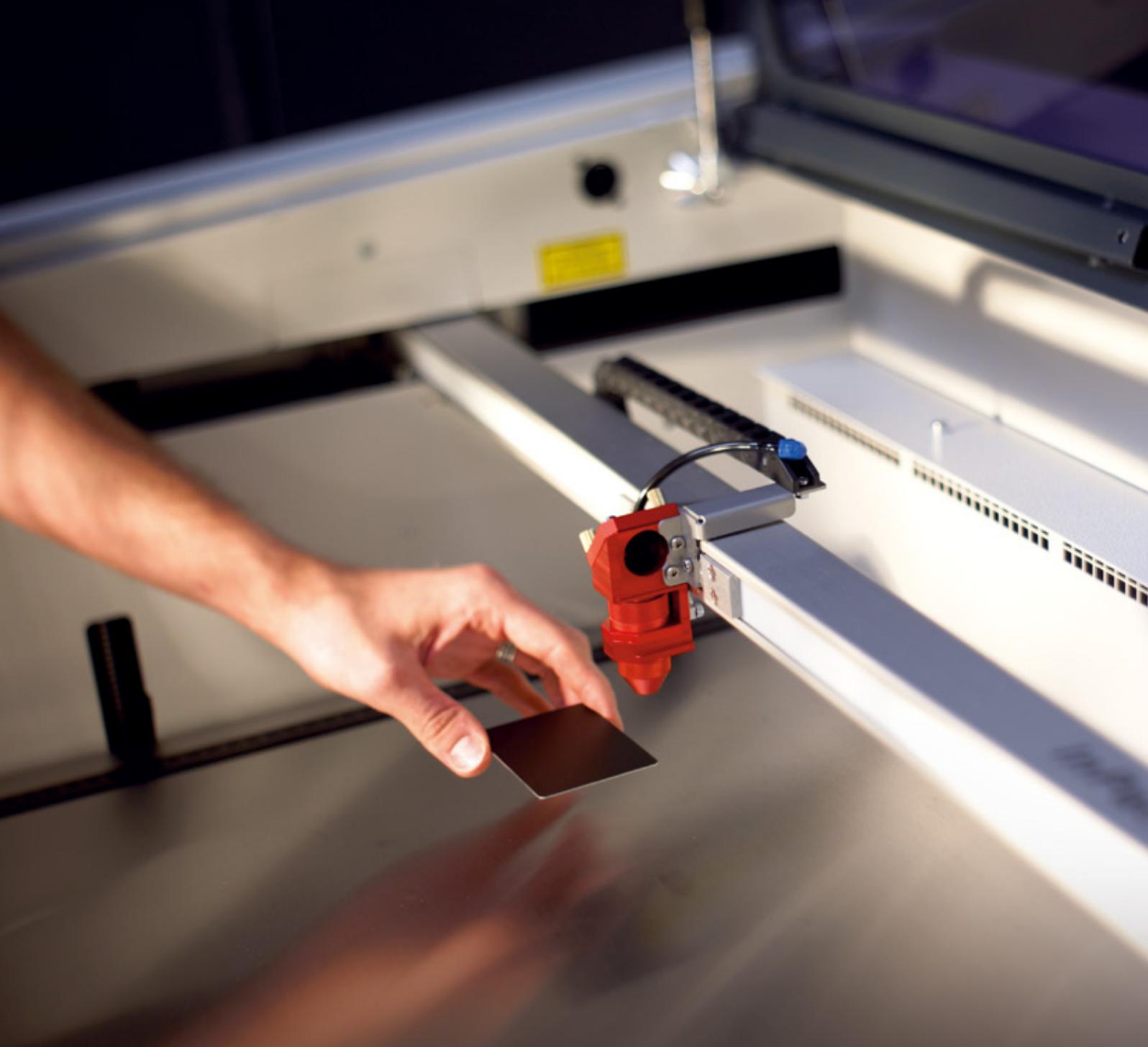
Laser engraving on glass



Incredible design possibilities on leather



Engrave even the finest details on wood



## ***Impressive Material Diversity***

With the Speedy series of laser machines, you can engrave, cut or mark the widest possible range of materials. The palette ranges from glass, plastic or wood, rubber, leather and metals to textiles, cardboard and MDF. Discover the possibilities.

	<b>Engraving</b>			<b>Cutting</b>			<b>Marking</b>		
Wood	CO <sub>2</sub>		Flexx	CO <sub>2</sub>		Flexx	CO <sub>2</sub>		Flexx
Glass	CO <sub>2</sub>		Flexx						
Paper white	CO <sub>2</sub>		Flexx	CO <sub>2</sub>		Flexx	CO <sub>2</sub>		Flexx
Paper colored	CO <sub>2</sub>		Flexx	CO <sub>2</sub>		Flexx	CO <sub>2</sub>	Fiber	Flexx
Cardboard	CO <sub>2</sub>		Flexx	CO <sub>2</sub>		Flexx	CO <sub>2</sub>		Flexx
Leather	CO <sub>2</sub>		Flexx	CO <sub>2</sub>		Flexx	CO <sub>2</sub>	Fiber	Flexx
Textiles	CO <sub>2</sub>		Flexx	CO <sub>2</sub>		Flexx	CO <sub>2</sub>	Fiber	Flexx
Mirror	CO <sub>2</sub>	Fiber	Flexx						
Stone	CO <sub>2</sub>		Flexx						
Ceramics	CO <sub>2</sub>	Fiber	Flexx				CO <sub>2</sub>	Fiber	Flexx
Cork	CO <sub>2</sub>		Flexx	CO <sub>2</sub>		Flexx	CO <sub>2</sub>		Flexx
Food	CO <sub>2</sub>	Fiber	Flexx	CO <sub>2</sub>	Fiber	Flexx	CO <sub>2</sub>	Fiber	Flexx
<b>Metals</b>									
Aluminum*		Fiber	Flexx					Fiber	Flexx
Aluminum anodized*		Fiber	Flexx				CO <sub>2</sub>	Fiber	Flexx
Precious metals		Fiber	Flexx					Fiber	Flexx
Metal foils up to 0.2 mm (aluminum, brass, copper, precious metals)		Fiber	Flexx		Fiber	Flexx		Fiber	Flexx
Stainless steel*		Fiber	Flexx					Fiber	Flexx
Coated metal (varnished)	CO <sub>2</sub>	Fiber	Flexx						
Brass		Fiber	Flexx					Fiber	Flexx
Copper		Fiber	Flexx					Fiber	Flexx
Titanium		Fiber	Flexx					Fiber	Flexx
<b>Plastics</b>									
Acrylonitrile butadiene styrene copolymer (ABS)	CO <sub>2</sub>		Flexx	CO <sub>2</sub>		Flexx		Fiber	Flexx
Acrylic (PMMA)	CO <sub>2</sub>		Flexx	CO <sub>2</sub>		Flexx			
Rubber (laser rubber)	CO <sub>2</sub>		Flexx	CO <sub>2</sub>		Flexx			
Polyamide (PA)	CO <sub>2</sub>		Flexx	CO <sub>2</sub>		Flexx		Fiber	Flexx
Polybutylene terephthalate (PBT)	CO <sub>2</sub>		Flexx	CO <sub>2</sub>		Flexx		Fiber	Flexx
Polycarbonate (PC)	CO <sub>2</sub>		Flexx	CO <sub>2</sub>		Flexx		Fiber	Flexx
Polyethylene (PE)	CO <sub>2</sub>		Flexx	CO <sub>2</sub>		Flexx		Fiber	Flexx
Polyester (PES)	CO <sub>2</sub>		Flexx	CO <sub>2</sub>		Flexx		Fiber	Flexx
Polyethylene terephthalate (PET)	CO <sub>2</sub>		Flexx	CO <sub>2</sub>		Flexx		Fiber	Flexx
Polyimide (PI)	CO <sub>2</sub>		Flexx	CO <sub>2</sub>		Flexx		Fiber	Flexx
Polyoxymethylene (POM) e.g. Delrin®	CO <sub>2</sub>		Flexx	CO <sub>2</sub>		Flexx		Fiber	Flexx
Polypropylene (PP)	CO <sub>2</sub>		Flexx	CO <sub>2</sub>		Flexx		Fiber	Flexx
Polyphenylene sulfide (PPS)	CO <sub>2</sub>		Flexx	CO <sub>2</sub>		Flexx		Fiber	Flexx
Polystyrene (PS)	CO <sub>2</sub>		Flexx	CO <sub>2</sub>		Flexx		Fiber	Flexx
Polyurethane (PUR) foam	CO <sub>2</sub>		Flexx	CO <sub>2</sub>		Flexx		Fiber	Flexx
Foam (PVC free)	CO <sub>2</sub>		Flexx	CO <sub>2</sub>		Flexx			

## Materials you should not process with a laser

Please note that certain types of material should not be engraved or cut with a laser because of their chemical make-up. These materials contain dangerous substances that are released during processing in the form of gases and dust, jeopardizing both the user and the functioning of the machine. Some of these materials include:

- Inferior leather (Chrome VI)
- Carbon fibers (carbon)
- Polyvinyl chlorides (PVC) including PVC based synthetic leather
- Polyvinyl butyral (PVB)
- Polytetrafluorethylenes (PTFE /Teflon®)
- Beryllias
- Materials containing halogens (e.g. fluorine, chlorine, bromine, iodine and astatine), epoxy or phenolic resins.

**Important:** Be wary of materials specified as "flame retardant". This property is achieved through bromine, which is then released during processing.

\* The above metals can also be processed with a CO<sub>2</sub> laser. This requires an additional step and the use of consumables, such as laser marking ink.

# Profitability By Design

**Speedy 100**  
Compact laser for  
demanding entry  
level users



**Speedy 300**  
Highly productive  
engraving machine



**Speedy 360**  
Highest efficiency  
with the smallest footprint

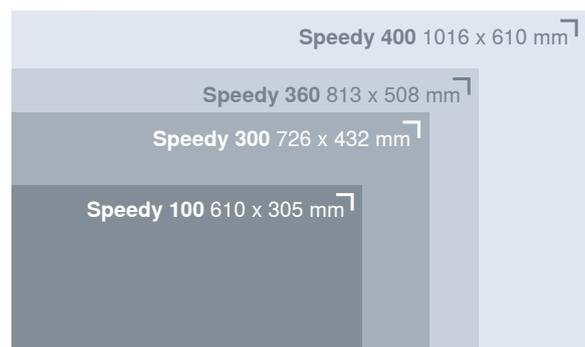


**Speedy 400**  
Maximum productivity  
and flexibility



## Optimized Working Area

All platforms are optimized for standardized material sizes. Save time and money on cutting, use more standard blanks per table, and use the entire working area.



## ***Productivity by Design***

Trotec develops the fastest laser engravers on the market. Time is money - the processing time per laser job is crucial for the success of your business. Increase your production capacity with an engraving speed of 4.2 m/s and 5 g and a laser power of up to 250 watts. Thanks to the OptiMotion™ motion control, cutting jobs are up to six times faster than comparable laser machines on the market.

The patented CeramiCore® laser source technology convinces with reliability, engraving quality and longevity. Thanks to the InPack Technology™, all sensitive components of the laser engraving machine, such as lenses, mirrors or motors, are protected against dust.



## ***Flexibility by Design***

Every conceivable CO<sub>2</sub> laser application, as well as an annealing or a metal engraving, can be realized in no time. The MOPA fiber laser offers even more possibilities for laser marking metals and plastics. The special feature of the patented Flexx Technology™: Depending on the material, the two laser sources are activated alternately – in one job, without manual changing of the laser tube, lens or focus.

The multi-functional table concept allows the ideal table to be selected and easily switched depending on your application. This ensures the highest processing quality and productivity. Use the modular concept and choose different lenses or other options such as the pass-through or rotary engraving attachment.



## ***Usability by Design***

Speedy laser engraving machines are equipped with the most powerful JobControl® laser software. Work in your usual graphics program and simply send your jobs to the laser using a printer driver. A suitable exhaust system ensures the safe and clean operation of your laser machine.

Focusing is automated at the touch of a button thanks to the patented SonarTechnology™. With the dynamic status display and easy view of 100% of the work area, the status of the laser and processing progress can be seen directly on the machine, thus avoiding unnecessary downtime. Thanks to the ergonomic access, the processing table and materials can be inserted quickly and easily, without straining your back.



***Productivity by Design***



## **Fastest laser machine on the market**

Speedy machines are the fastest laser engravers on the market. With an engraving speed of 4.2 m/s and an acceleration of 5g, they outperform competitors. This is made possible by two real innovations from the Trotec development team: an innovative motion system and a revolutionary drive concept. What does that mean for you? Most efficient production, highest throughput and thus maximum profit with impeccable quality.

The new Speedy 400 is up to six times faster when cutting than comparable laser machines on the market. Using OptiMotion™ the cutting speed and acceleration are calculated and optimized in real time based on the geometry. This is standard for larger cutting systems, but for medium-sized engraving it is a true innovation. OptiMotion™ delivers high quality in curves and maximum throughput.

## **Longer service life, lower maintenance requirements**

With InPack Technology™, we were the first manufacturer in the world to design a self-contained axes design and put it into practice. It perfectly protects both lens and mirrors, electronics, motors and axes from dust and other disruptive factors. The advantages:

- Ensures trouble-free work over an extremely long period of time
- Exceptionally low maintenance and cleaning costs, thus low operating costs even with very intensive use
- Even higher productivity

## **Reliability, the highest engraving quality and longevity**

Trotec laser systems are equipped with laser sources from the American OEM manufacturer Iradion. The patented CeramiCore® laser source technology impresses with its reliability, engraving quality and longevity. Highlights: The resonator of the laser source, i.e. the point at which the laser radiation is generated, is 100% ceramic. Ceramics lasers can be operated at much higher pressure, resulting in better and faster pulsability, which in turn is crucial for high speed engraving and marking. Laser users will therefore benefit from the highest engraving quality.

## **More laser power – double productivity**

Productivity is not only a question of low operating costs, but also of high laser power. The equation is: More power equals more quality, efficiency and thus more profit. This formula applies to virtually all laser engraving and cutting applications. Compare for yourself!

When buying your Speedy, it is better to opt for a more powerful laser from the beginning, or you will likely want to replace the old laser with a stronger model as you start to increase throughput.



Cutting: acrylic letters,  
cut with 80 watts or 120 watts

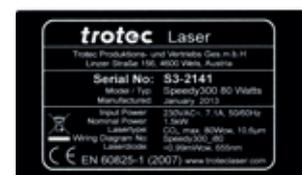
Laser power: 80 watts  
Process: 65 % completed  
Time per piece: 29 seconds

Laser power: 120 watts  
Process: 100 % completed  
Time per piece: 29 seconds

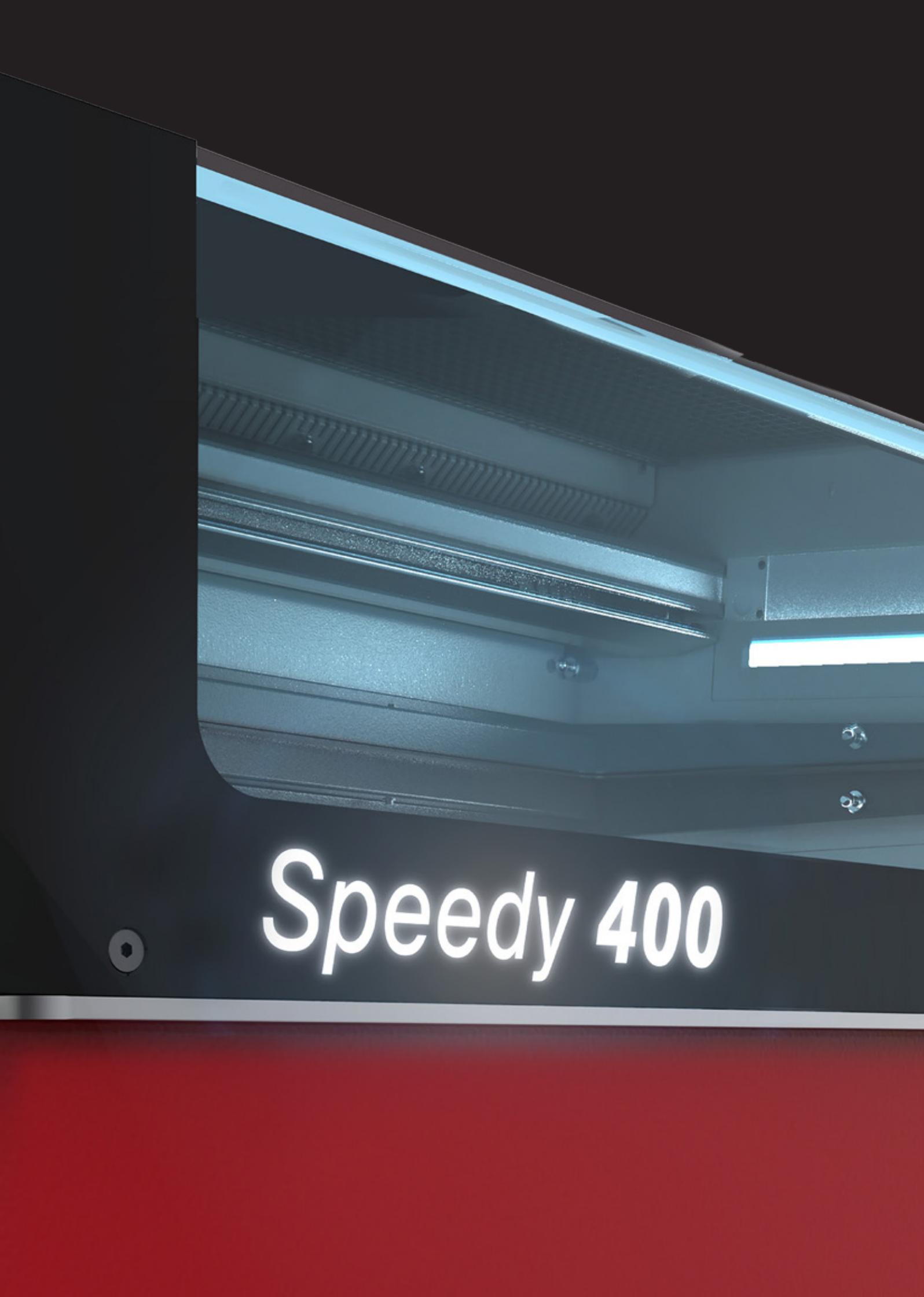


Engraving: anodized aluminum typeplate,  
engraved with 30 watts or 80 watts

Laser power: 30 watts  
Process: 48 % completed  
Time per piece: 55 seconds



Laser power: 80 watts  
Process: 100 % completed  
Time per piece: 55 seconds

The image shows the interior of a vehicle, likely a truck or van, with a glowing blue light strip running along the ceiling. The text "Speedy 400" is displayed in a white, glowing font on a dark background. The background is a solid red color.

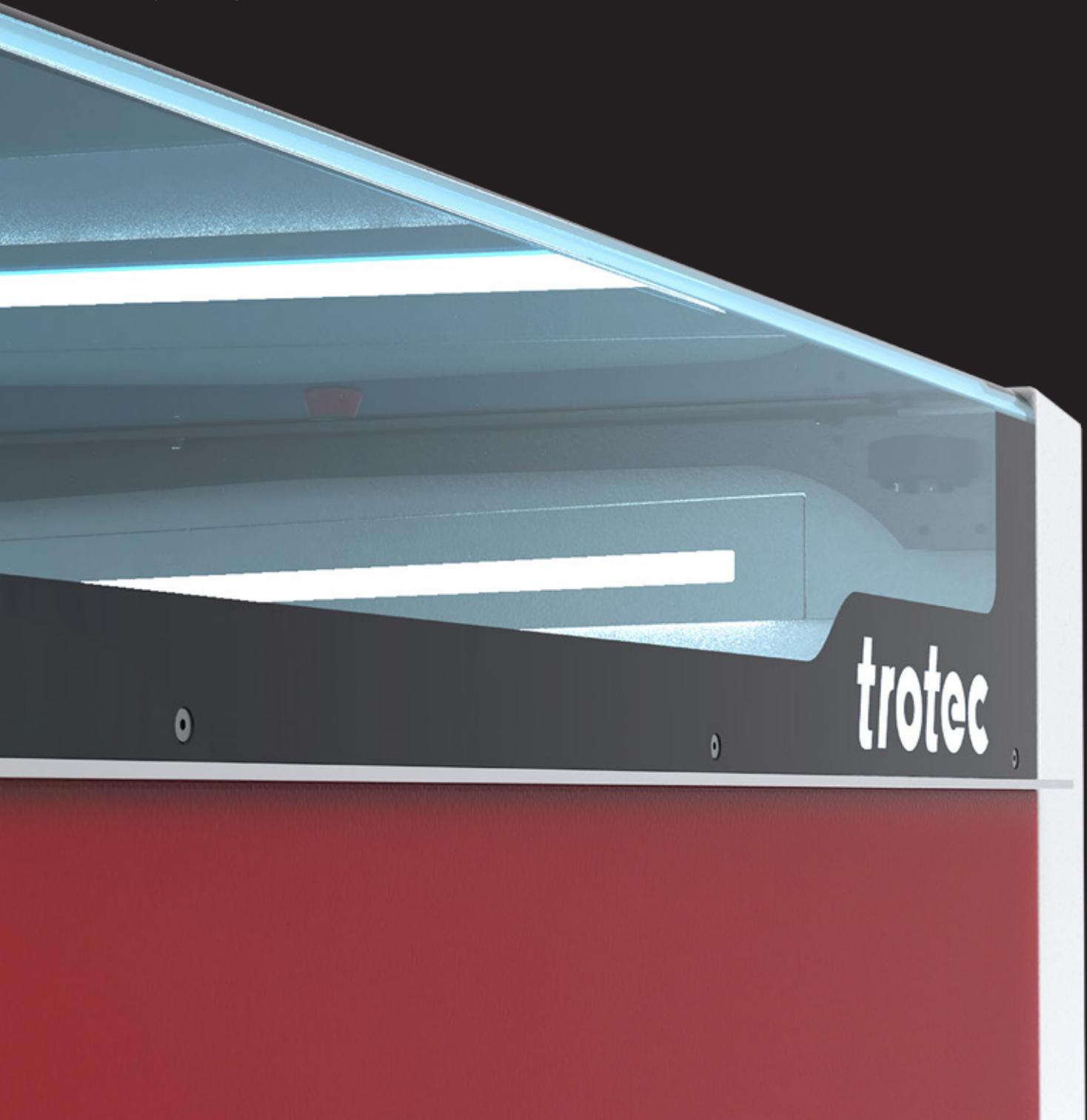
*Speedy 400*

# ***The New Speedy 400 Laser Engraver***

***Profitability by Design***

***Productive. Flexible. Faster than ever.***

With a maximum engraving speed of 4.2 m/sec., an acceleration of 5g, and the revolutionary motion system OptiMotion™, the new Speedy 400 sets new standards and exceeds all record speeds. The working area of 1016 x 610 mm has been optimized to the most common material plate formats e.g. acrylic or wood. With up to 250 Watt laser power, engraving and cutting gets even faster. Thanks to the patented Flexx Technology™, you use a CO<sub>2</sub>-and a fiber laser source in only one machine. Our clear statement for maximizing your productivity.



# Flexibility By Design

## Revenue-generating options and features



READY FOR **Flexx**

### Endless application options

The patented Flexx Technology™ integrates two laser sources – CO<sub>2</sub> and fiber – in one machine, allowing a variety of different materials to be processed in one operation. The CO<sub>2</sub> laser source is ideal for engraving and cutting plastic, wood, rubber, leather and many other materials. The fiber laser is the right tool for marking metals and achieving color change on plastics.

The characteristic feature of the patented flexx function: Depending on the material, the two laser sources are activated alternately – in one job, without manual changing of the laser tube, lens or focus. The laser sources are easily assigned at the touch of button in the JobControl® software. Every conceivable CO<sub>2</sub> laser application, as well as an annealing marking or a metal engraving, can be realized in no time. Time savings and flexibility in everyday work are thus guaranteed. The business sector can be quickly and easily expanded.

Every laser engraving machine in the Speedy series is “ready for flexx”. This means that every Speedy can be retrofitted with an additional laser source. This ensures that you are prepared for the future. Retrofit whenever you are ready.



## ***MOPA Laser: Even more possibilities for laser marking metals and plastics***

With the introduction of the new Speedy 400, Trotec sets new standards in the laser marking of metals and plastics with flatbed laser systems. Since its introduction in 2005, the patented Flexx Technology™ has now been developed further - resulting in higher-contrast markings on plastics and black markings on anodized aluminum. This is made possible by a MOPA fiber laser, which is integrated in the flatbed system instead of a conventional fiber laser source.

In addition to the higher-quality laser marking, productivity is another advantage of the MOPA laser: Markings or deep engravings of equivalent quality can be implemented faster than with a conventional fiber laser.

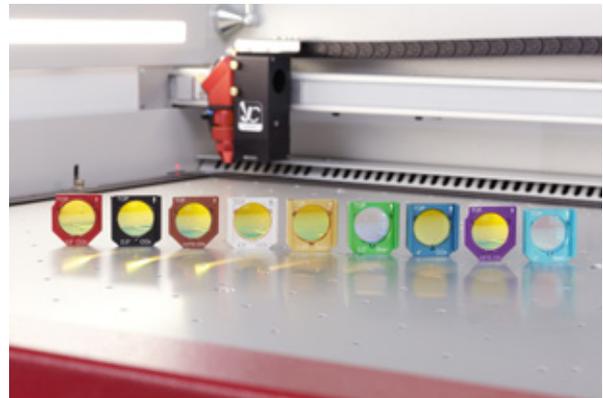


## ***Rotary engraving made easy***

With the rotary attachment, you can engrave conical, cylindrical and spherical objects such as glasses, cups, vases and bottles in various sizes and diameters. When a rotary attachment is used, a rotating movement replaces the axis movement in Y direction. A special roller attachment allows the engraving of objects with large or small openings that do not fit into the cones of the standard configuration.

## ***Eight focus lenses for perfect results***

As a rule of thumb, the following applies to the focus lenses: the more detailed the graphics, the shorter the focal length in laser engraving. The thicker the material to be laser-cut, the greater the focal length should be. For this reason, Trotec offers you eight different lenses for perfect results.



## ***Engraving bulky parts***

Full flexibility also means being able to work on workpieces that are larger than the machine. With its pass-through hatch option, the Speedy laser can do this with ease. The pass-through option allows you to process very long and bulky workpieces such as doors, wall panels made of wood or large plates. (Please note that the hatch makes the Speedy a laser safety class 4 device.)

# ***Flexibility By Design***

## ***Multifunctional table concept***

The multifunctional table concept allows optimal configuration for all engraving and cutting applications. Depending on the application, the ideal table can be selected and changed easily and quickly for the highest processing quality and productivity.



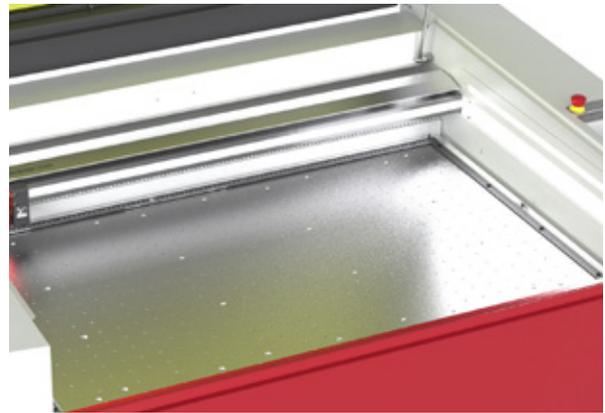
### ***Aluminum grid table***

The robust universal cutting table offers high stability and is particularly suitable for cutting tasks. It is especially for parts that are smaller than 100 mm, because they remain flat in position after cutting.



### ***Acrylic slat cutting table***

The acrylic slat cutting table prevents back reflections when cutting. It is therefore well suited for cutting thicker acrylic sheets from 8 mm upwards and for parts that are larger than 100 mm when cut. The slats can be positioned individually, so the table can be adapted to any application.



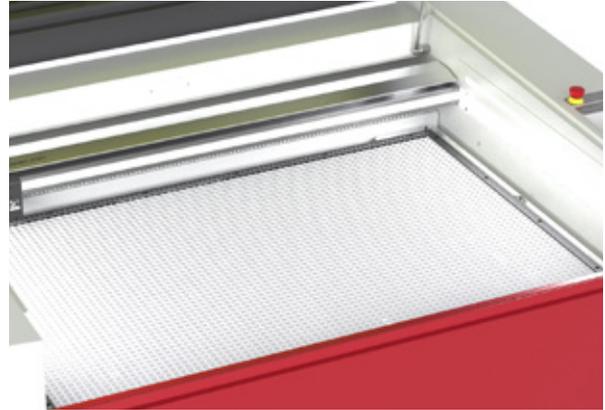
### ***Vacuum table***

The vacuum table fixes the material on the working area by means of a negative pressure. The advantages: precise focusing over the entire area, even better engraving results and very efficient handling, since no manual fixing is necessary. The vacuum table is the ideal choice for thin and lightweight materials (paper, foils, ...) that can be challenging to place in a flat position on the surface.



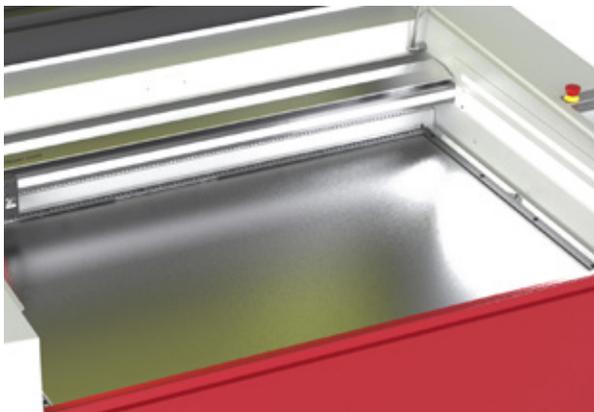
### ***Aluminum slat cutting table***

The aluminum slat cutting table allows particularly good cutting of thicker materials from 8mm onwards. It also allows for parts that are cut wider than 100mm. The individually removable slats allow the table to be adapted to any application.



### ***Acrylic grid table***

The acrylic grid table prevents back reflections during cutting, making it the best choice for working on acrylic, laminates, plastic films and parts smaller than 100 mm. Each processed piece remains flat in position after cutting.



### ***Ferromagnetic engraving table***

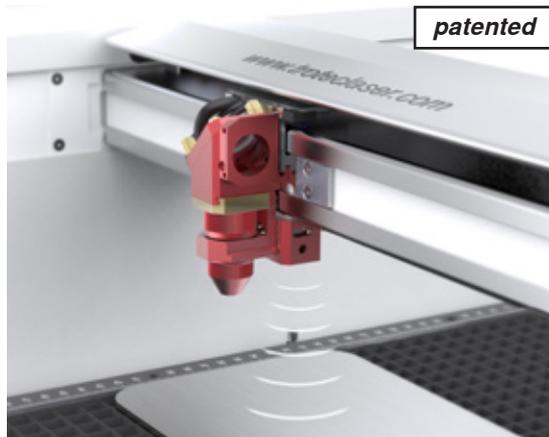
Thanks to the ferromagnetic construction, you can easily fix thin materials such as paper or foils with magnets. In addition, an absolutely flat working area ensures optimum results in laser engraving and laser marking.



### ***Honeycomb cutting support***

The honeycomb cutting support is perfectly suited for applications that do not require back reflections and best flatness. As it is the case, for example, when cutting paper and foils. Please note we recommend using the honeycomb cutting support in combination with the vacuum table.

# Usability By Design



## **Automatic focusing with Sonar Technology™**

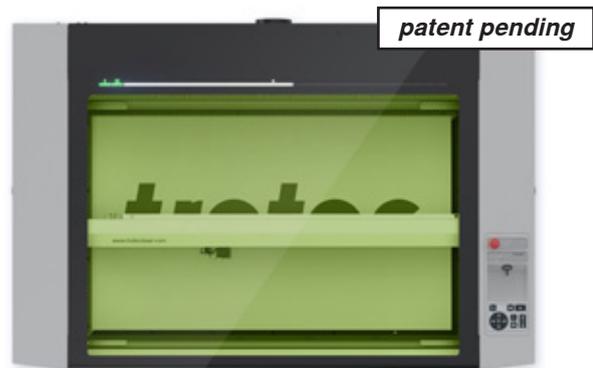
Correct adjustment of the focus, i.e. the correct distance between the laser head of the Trotec laser system and the material to be processed, is crucial for a perfect application result. The patented SonarTechnology™ is the simplest method for digital focusing on the workpiece surface of laser engravers. It determines this distance extremely precisely and efficiently at each position on the work table. At the touch of a button, the ultrasonic sensor on the laser head detects the surface of the workpiece. The focus point is thus automatically detected, and the working table then automatically moves into the correct focus position.

## **Swift loading and unloading More ergonomics**

Unlike some lasers on the market, the Speedy 360 and Speedy 400 were designed without the front bar or struts to provide easy and ergonomic access to the work area. This ergonomic design makes loading and unloading (especially large or heavy parts, or a rotary attachment) much easier. It also minimizes the physical effort required from the operator, because loading and unloading the laser machine is done at hip height, and the front cover can be folded down completely to minimize back strain for operators when they are loading working tables or materials.

## **Laser status is detected quickly**

With the new dynamic status display, the status of the laser and the processing progress are visible directly on the machine. This makes it easy to see at a glance whether the laser is switched on, a job has been completed or stopped, which laser source is activated etc. Thus unnecessary idle time can be avoided, saving time and money.



## **Inside view**

Trotec laser machines are equipped with a transparent top cover, allowing you to monitor your laser engraving job at any time during processing and no matter where your workpiece is positioned without lifting the lid. The transparent top cover provides a view of the entire cabinet of the laser machine. The design also includes LED lighting, which illuminates the entire working area. This convenient feature improves operator comfort and convenience.

## **Better environments with Atmos exhaust systems**

Trotec is also setting new standards with regard to exhaust systems with the Atmos model series. As the only laser manufacturer, we produce models that are optimally adapted to the respective laser machine. A suitable exhaust system ensures the safe and clean operation of your laser machine. It reliably removes dust and gases from the processing area and, with its activated carbon filters, it filters out odors that may be generated during laser processing. The Atmos exhaust system helps to deliver the best possible engraving and cutting quality.



### **Clean**

The efficient and thorough filtration of dust, gas and odors extends the service life of your laser system and guarantees a clean and healthy working environment for every user.

### **Intelligent**

For many years, Trotec has been working on optimal coordination of laser and extraction systems. The result is a host of intelligent features. For example, operation via membrane keyboard, the FlowControl Technology, a control function via the laser software and the Trotec iOS app.

### **Economical**

A good extraction solution improves the engraving and cutting results. Low maintenance costs are guaranteed thanks to sophisticated filter solutions. Due to the bi-directional laser communication, the extraction is only activated when it is necessary. Thus, the laser optics are optimally protected and the filter service life maximized. Your advantage: Thanks to Trotec Service from a single source, the Atmos exhaust system is maintained together with your laser.

### **Atmos Nano**

Particularly compact and easy to transport, ideal for fiber laser applications with particularly small dust particles and minimal odor.

### **Atmos Cube**

Forms a single unit with the laser machine and simultaneously functions as a support frame, for applications with low levels of dust

### **Atmos Mono**

Stand-alone version with a turbine for applications with medium levels of dust generation. The Atmos Mono Plus version is available for particularly odor-intensive applications

### **Atmos Duo Plus**

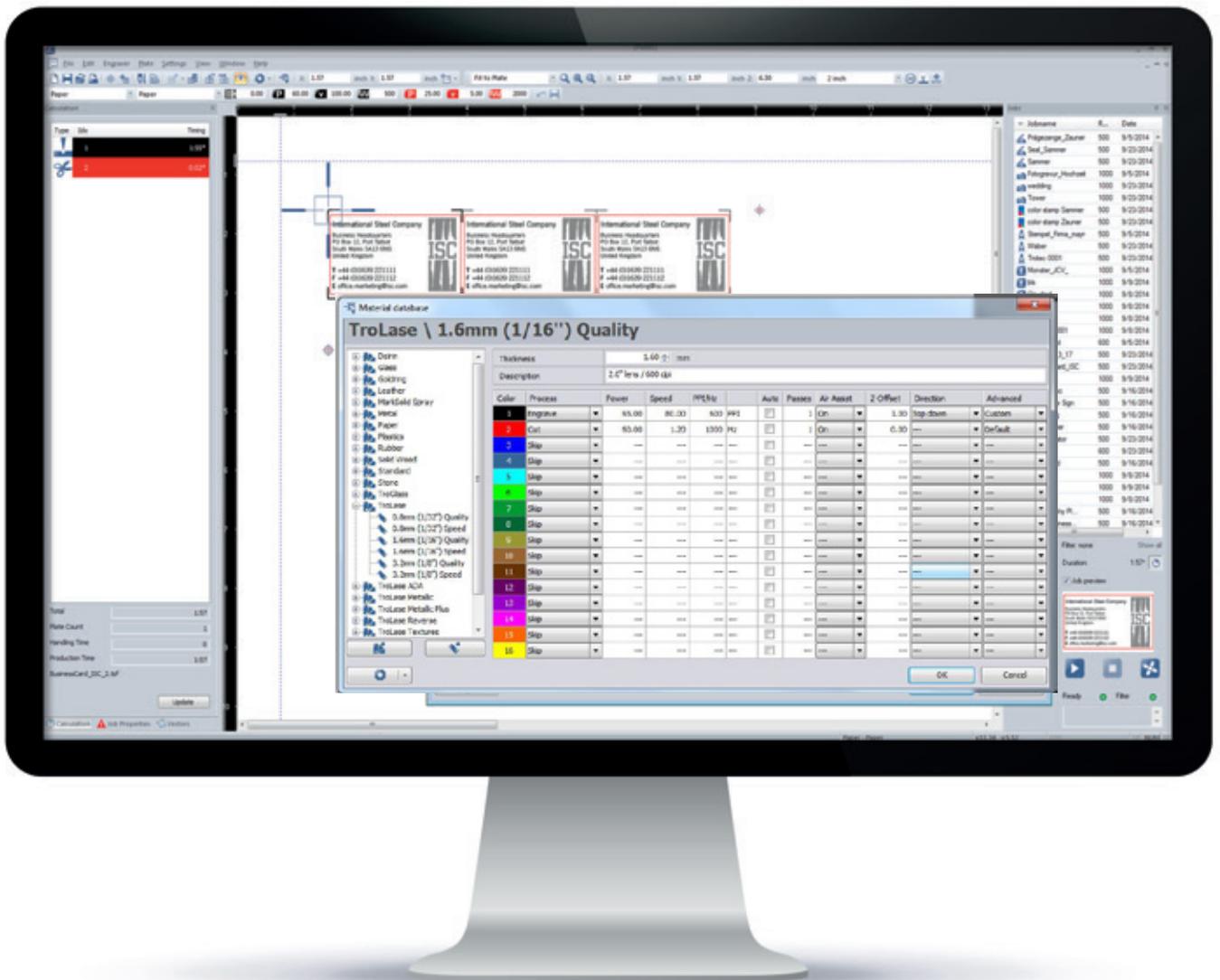
Stand-alone version with two turbines for double the performance in demanding applications.

### **Atmos Pre-Filter**

The use of an automatically cleaned pre-filter system is recommended if there is a large quantity of dust to be filtered. This is positioned between the laser machine and the exhaust system. If particularly tenacious particles are produced (e.g. when processing acrylic), the pre-filter can also be equipped with an optional additive dosage unit.

# Usability By Design

**JobControl® laser software**



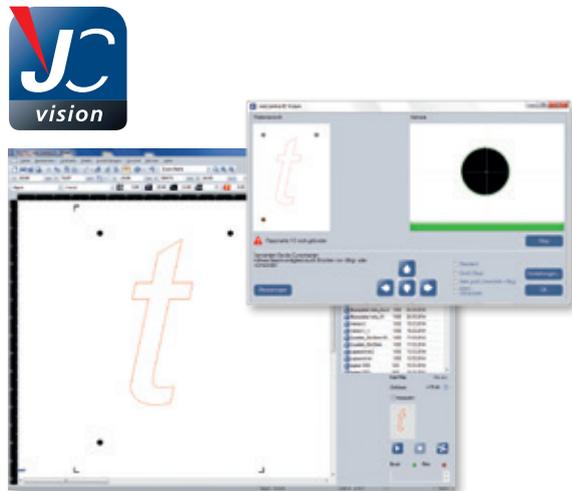
**Simply intuitive. Work efficiently.**

Our JobControl® software program was developed to be easy to use and highly efficient. It includes multiple performance-related features and intuitive user friendliness. Whether you are a beginner or an experienced user, Trotec JobControl® facilitates your daily work with the laser and supports you with perfect results.

## ***As easy as printing***

JobControl® software is a tool that allows every user to immediately control all laser functions thanks to its extremely easy operation. Our laser software allows fast and efficient working in familiar graphics or Windows® program environment, for example with Corel Draw®, Adobe Illustrator®, Photoshop®, AutoCAD®, InkScape®, etc.

Similar to printing, the user simply sends the finished graphics to the laser via the special Trotec printer driver. At the touch of a button, the machine begins to engrave or cut, the inserted material with the stored settings, and you are done!



## ***JobControl® Vision***

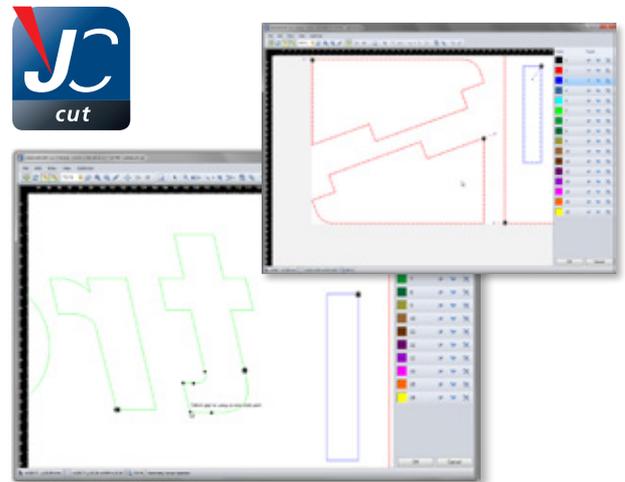
### ***Precise laser cutting of printed materials***

Create amazing details and meet the tightest tolerances with Trotec JobControl® Vision. The Vision module uses registration marks to determine the position and rotation of printed sheet material on the working area of the laser. The system detects print distortions and adjusts the cutting path dynamically to match the artwork, whether flexible or rigid materials. This speeds up your production and costly miscuts can be avoided. This guarantees a perfectly cut end product.

## ***As productive as you are***

In addition to straightforward usability, JobControl® offers a variety of intelligent features that make your success even more likely. For example, bi-directional communication, the JobTime Calculator, markers, vector sorting, job preview and a number of others:

- The material database provides parameters for over 50 different materials to choose from. Any new materials can be added quickly and easily.
- Process types stored in the printer driver simplify everyday work by automatically optimizing graphically required processes.
- In addition, JobControl® can be further customized and adapted to your needs with advanced settings.



## ***JobControl® Cut***

### ***JobControl® integrated optimization of basic cutting jobs***

JobControl® Cut is a tailor-made, fully integrated solution in our Trotec laser software. It enables you to easily process and optimize cutting geometries without changing the original geometries in the graphical software again. In only a few steps color orders can be changed, cutting gaps automatically filled, start points defined, the fitting accuracy of components secured, lead-ins and lead-outs defined as well as the processing time optimized. All for a perfect cutting result.

# Trotec Laser & Engraving Materials

**Top materials online**



With the launch of our extensive line of laser and engraving materials, Trotec has introduced a game changing concept: a single source for low-cost, high quality materials, industry-leading laser equipment, and technical applications support from experts with a knowledge of the systems you are using and the materials you are processing. Our comprehensive line of laser and engraving materials includes laserable wood panels (including MDF and plywood), acrylic sheets in more than 100 colors and finishes, a broad range of laminates (including multi-layer engraving materials for laser or milling), laser-optimized paper, and more. In addition to the convenience of a single-source solution, using our materials and products provides a number of benefits.

**Benefits include:**

- Lowest cost on premium products
- Enhanced design for improved results
- In-house technical support
- Fast delivery
- Easy online purchasing

Trotec materials are tested to determine laser parameters, then the parameters are stored in JobControl® laser software settings. This allows you to spare yourself from the costly and time-consuming testing for the optimal settings. For each product group, we offer you two parameter sets:

**Time-optimized and quality-optimized parameter sets**

- Quality-oriented parameter sets are particularly useful for engraving applications with fine details, small font sizes and high contrast. These parameter sets also optimize laser cutting, including applications with glossy, flame-polished acrylic edges.
- Speed-oriented parameter sets are recommended when things need to be done quickly and a slightly reduced level of detail is not required.



## Welcome to our web shop

You can quickly and easily purchase our high-quality laser and engraving materials in our web shop at **[www.trotec-materials.com](http://www.trotec-materials.com)**.

In our web shop you will find a comprehensive assortment of products, up-to-date information about our materials, usage and processing tips, and practical sample instructions.



Count on fast delivery.



Have a complete overview of your online orders.



Order around the clock.



Benefit from the tips and tricks from our experts.



Learn exclusively about new products and offers.

# Speedy Portfolio Overview

This overview of the Speedy portfolio should assist you in identifying the differences between the individual laser systems. You can find exact technical details in the data sheets for the respective products.



## Speedy 400

	CO <sub>2</sub>	Flexx
Working area (W x D mm)	1016 x 610	1016 x 610
Max. height <sup>1</sup> of workpiece (mm)	305	283
Loading area (W x D mm)	1096 x 698	1096 x 698
Overall dimensions (W x D x H mm)	1428 x 952 x 1050	1428 x 952 x 1050
Max. processing speed	4.2 m/sec.	4.2 m/sec.
Max. acceleration	5g	5g
Technology motion system	Brushless DC servo motors	Brushless DC servo motors
Laser power CO <sub>2</sub>	60-250 watts	60-120 watts
Laser power fiber		20-50 watts
Laser class	2	2
Weight <sup>2</sup>	310 kg	350 kg
Power consumption	1~230V / 50/60Hz / 10,2 A 1~115V / 50/60Hz / 15,3 A	1~230V / 50/60Hz / 10,2 A 1~115V / 50/60Hz / 15,3 A
<b>Software</b>		
JobControl®	●	●
JobControl® Vision	○	○
JobControl® Cut	○	○
<b>Functions and Options</b>		
InPack Technology™	●	●
Harsh environment protection kit	●	●
OptiMotion™	●	●
Sonar Technology™	○	○
Fiber laser MOPA		●
LED lighting	●	●
Dynamic status display	●	●
Rotary attachment	○	○
Pass-through	○	○
Gas kit light	○	○
Coaxial air assist (without pump)	●	●
Trolley base	●	●
TroCare	○	○
2 years warranty	●	●
<b>Multifunctional table concept</b>		
Ferromagnetic table	○	○
Aluminum cutting grid table	●	●
Acrylic cutting grid table	○	○
Aluminum slat cutting table	○	○
Acrylic slat cutting table	○	○
Vacuum table	○	○
Honeycomb cutting tabletop	○	○
Acrylic cutting grid tabletop	○	○
<b>Lenses</b>		
1.5 inch CO <sub>2</sub>	○	○
2.0 inch CO <sub>2</sub>	●	○
2.0 inch CO <sub>2</sub> clearance lens	○	○
2.5 inch CO <sub>2</sub>	○	○
2.85 inch flexx		●
3.2 inch fiber		○
4.0 inch CO <sub>2</sub>	○	○
4.0 inch CO <sub>2</sub> clearance lens	○	○
5.0 inch fiber		○
<b>Compatible exhaust systems</b>		
	Atmos Duo Plus	Atmos Duo Plus

● Standard

○ Optional

1 Based on standard lens

2 Depending on laser power





# **Trotec**

## **Worldwide!**

Trotec is a world leader in laser technology headquartered in Austria, and part of Trodat-Trotec Holding. With innovative concepts and products, we have succeeded again and again in setting new standards ever since the company was founded in 1997. Whether in terms of quality, new developments, or service, we get the same result: enthusiastic and successful customers around the world.

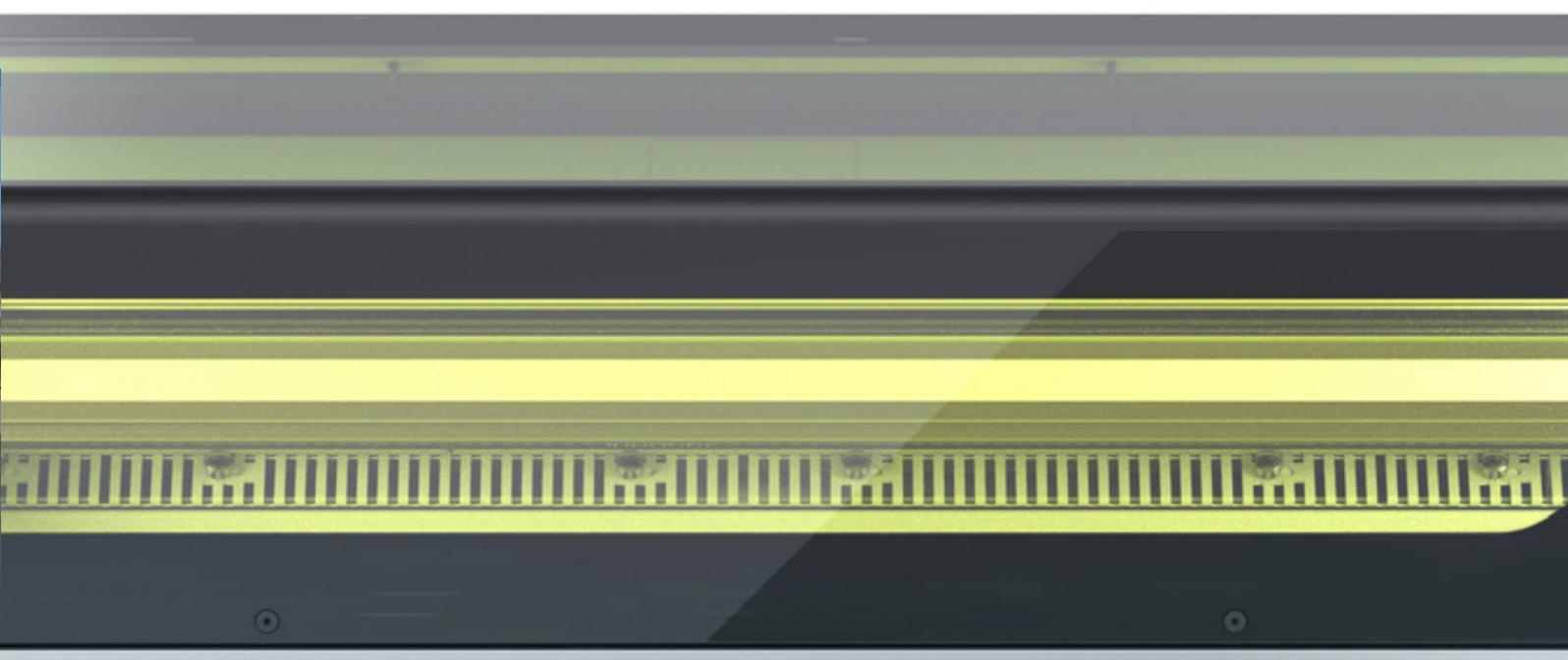
Trotec's consistent commitment to customer support is the reason for the company's global success, as well as one of the central drivers of motivation and innovation globally. At Trotec, supporting our customers is not just an abstract value but practiced reality.

Trotec has direct subsidiaries in 18 countries and 68 demo rooms for laser product demonstrations. Overall, with 113 distribution partners we serve customers in over 90 countries.



# **trotec**

*laser. marking cutting engraving*



148770

## **Trotec Laser Pty Ltd**

Sydney | Newcastle | Brisbane | Melbourne | Adelaide | Perth | Hamilton (NZ)  
T: 1300 876 832 E: [info@troteclaser.com.au](mailto:info@troteclaser.com.au)  [Troteclaseroz](https://www.facebook.com/Troteclaseroz)  [@TrotecAustralia](https://www.instagram.com/TrotecAustralia)

### ***troteclaser.com.au***

#### **Showrooms and Training Facilities**

NSW: 23B Rodeo Road Gregory Hills 2557  
NSW: 4/12 Channel Road, Mayfield West 2304 (by appointment only)  
QLD: 2/9 Cairns Street, Loganholme 4129  
SA: 28 Blenheim Street Adelaide 5000  
VIC: 9/180 Fairbairn Road Sunshine West 3020  
WA: 1/40 Ledger Road Balcatta 6021  
NZ: 4-6 De Leeuw Place, Hamilton 3200 (Trophy Wholesalers)

### ***engraving-supplies.com.au***

#### **Consumable Warehouse Locations**

NSW: 23B Rodeo Road Gregory Hills 2557  
QLD: 2/9 Cairns Street, Loganholme 4129  
VIC: 9/180 Fairbairn Road Sunshine West 3020  
WA: 1/40 Ledger Road Balcatta 6021  
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