

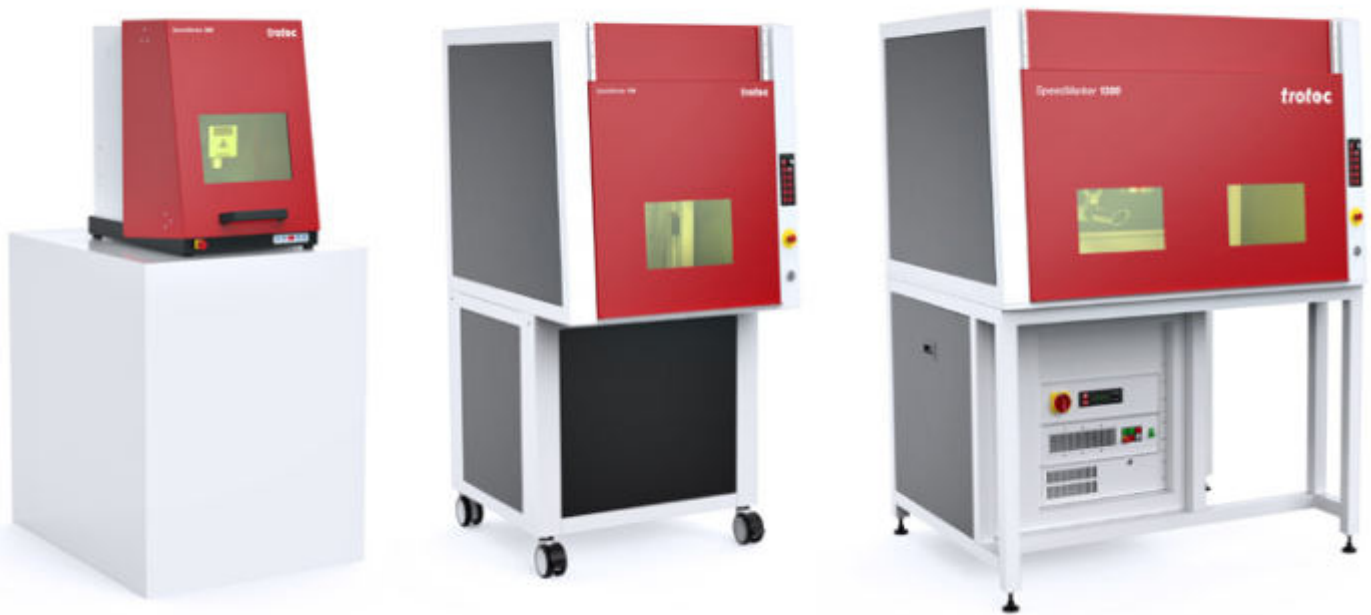


trotec
laser. marking cutting engraving

SpeedMarker Series

***Laser marking systems
Created for automation***

Created for Automation



The use of the laser markers of the SpeedMarker series leads to enormous productivity, supports automation processes and inspires by the simple handling - both in data preparation and in daily work. By marking dynamic data and endless possibilities with AdvancedScripting, the SpeedMarker series is exactly the right choice for machine manufacturers, toolmakers, engravers and job shoppers. Individual components as well as large batch sizes are marked with a laser class 2 system for complete traceability, brand communication or with functional markings. This saves time and reduces your unit and running costs. The efficient production of permanent markings on almost all metals and, with the MOPA option, on many plastics is guaranteed.

By infinity we mean the design of direct component markings, logos, designs, dynamic data (barcodes, serial numbers, etc.), photos as well as readable 1-point fonts and smallest geometries.

Trotec's laser markers meet the highest quality requirements in terms of legibility and durability of the markings - enabling compliance with the most stringent guidelines such as UID, UDI, etc.

The laser cells have a robust design, are designed for longevity and comply with laser class 2.



The laser processing cells also offer maximum flexibility in terms of size and number of components. Especially with SpeedMarker 1300, SpeedMarker 1350 and SpeedMarker 1600, individual large or heavy components can be handled just as easily as a large number of small components in trays. Complex marking sequences are efficiently created with the SpeedMark® software thanks to visual programming and predefined program modules. The variable axes and the segmentation options make it possible to string together several marking areas on components. This also applies to the laser markers of the SpeedMarker series for the automated and precise marking of various plastics and metals.



The product line is 100% developed and manufactured in Austria and Germany 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.

Increased Efficiency Through Automation



Unique identification in mechanical engineering

Especially in mechanical engineering, there is a multitude of functional and optical markings that must be clearly traceable. Machine parts and add-on parts such as type plates are marked directly and contain important information for the further manufacturing process or for traceability at the customer. This is precisely why the permanent marking of flexible contents, e.g. sequential numbers, on anodised aluminium, stainless steel and laminates is in the foreground. The large-format machines of the SpeedMarker series guarantee maximum flexibility with regard to component cubatures. So you can mark your parts quickly and safely. You minimize the effort for logistics, e.g. to have type plates produced externally. You reduce the risk of confusion as only order-related labels are created and you can react flexibly to special options.



Efficient and permanent direct marking when marking tools

The direct marking of components and machine parts ensures that the highest quality standards are met in various industries. This ensures the complete traceability and identification of various components and tools. The batch size plays a subordinate role here - regardless of whether it is a matter of a few different components in large quantities or a large number of different tools in small series. With the machines of the SpeedMarker series and the associated SpeedMark® software, dynamic data such as serial numbers, barcodes, data matrix codes, company names, lot numbers, etc. can be easily and efficiently applied in any case. Precision toolmakers can thus permanently mark a wide variety of metals and alloys.

With the main goal of increasing efficiency and thus reducing marking costs per unit, the SpeedMarker series has made a name for itself in various industries by automating workflows.



High-contrast plastic marking in the electronics industry

The laser markers of the SpeedMarker series are also suitable for customers who want to mark a large number of identical components in a very short time. Especially in the electronics industry, Trotec's laser markers convince with their precise marking on different plastics, even in the smallest font sizes. Nevertheless, the large number of identical parts must be marked clearly and traceably and the workflow must be adapted to the industrial environment of large companies. Due to the possibility of interface integration with other systems such as SAP, the SpeedMarker series is also convincing in terms of maximum productivity. Especially when marking plastics, an even better marking result can be achieved with a MOPA fiber laser source.

Individual marking for contract engravers

Regardless of whether individual promotional items are personalised or order marking with changing data is carried out in large quantities. In the case of engravers, individual inscriptions are applied to usually inexpensive source products in order to generate additional added value. In the advertising industry, large quantities are marked with the same text modules. For contract engravers it depends on the duration of the production time. It is therefore all the more important to be able to offer a high degree of automation for this by integrating dynamic data from other systems and lists.

Endless Application Possibilities

SpeedMarkers help meet a variety of manufacturing requirements for direct marking, asset management, unique identification and more. From automatic code generation and serial number generation to embedding

data from external systems such as SAP systems, everything is possible. In addition, the software module SpeedMark® Vision stands for precise, camera-assisted positioning of markings on components.



High-contrast plastic marking with MOPA Laser



Pin sharp labelling on different levels



Color change of plastics



Engraving type plates



Marking medical instruments



Precise laser marking on steel



One hundred percent identification



Clear labeling as plagiarism protection



Deep engraving in metal



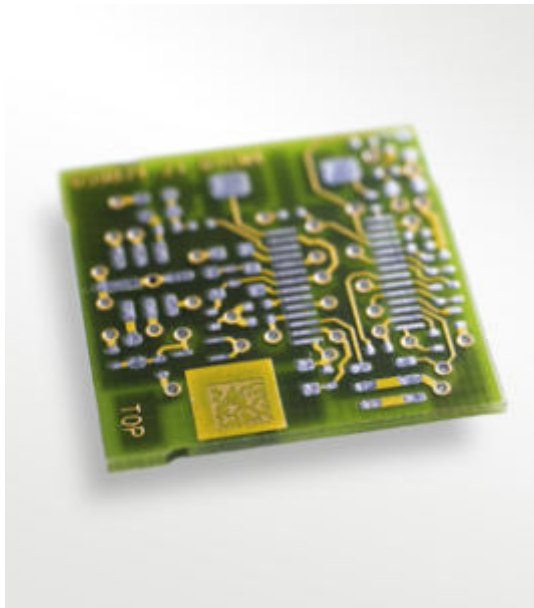
Jewellery finishing



Filigree marking of watches



Marking according to the strictest guidelines



Smallest font sizes on electronic components



Inscription of inner radius



Individualization in large quantities



Dynamic data on plastics



Marking of plastics



Personalization of promotional items

Ideal for Almost All Metals and Plastics

Trotec's SpeedMarkers meet a wide range of demanding and unique requirements for industrial marking on various surfaces. It works with many different metals and plastics, resulting in superior application results. Markings are used to mark codes, serial numbers or other dynamic content for tracking, as well as to mark logos or text for functional marking or to protect against imitation.



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

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)
- Polytetrafluoroethylenes (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 CO₂ laser. This requires an additional step and the use of consumables, such as laser marking ink.

Created for Automation

SpeedMarker 1600

Marking of large components

SpeedMarker 1350

Laser markers with different loading concepts



SpeedMarker 700

Precise marking with minimum space requirement

SpeedMarker 1300

The all-rounder for laser inscriptions

SpeedMarker 50

Flexible Class 4 Laser

SpeedMarker 300

Desktop laser for small components

Flexible working area

Due to the large number of different work surfaces and machine sizes, the marking of many different components is possible. With the pass through option of the SpeedMarker 300, even long components can be marked.

SpeedMarker 300 190 x 190 mm	SpeedMarker 700 580 x 495 mm	SpeedMarker 1350 1000 x 500 mm	SpeedMarker 1600 1300 x 450 mm
		SpeedMarker 1300 1000 x 450 mm	

Automated productivity

The SpeedMark® software not only centrally controls the laser process, but also offers automation-friendly interfaces for connecting external data and control commands. Infinite scripting possibilities guarantee consistent quality for recurring markings. The legibility of the marking is guaranteed by high-quality optics and components. Irrespective of whether many small components or large individual parts are involved.

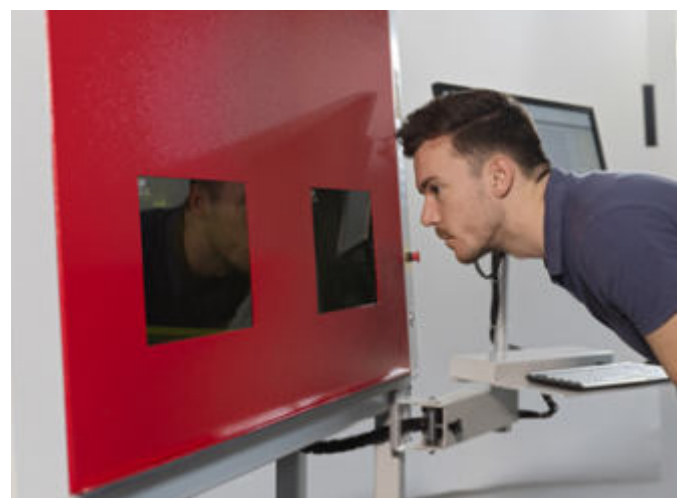


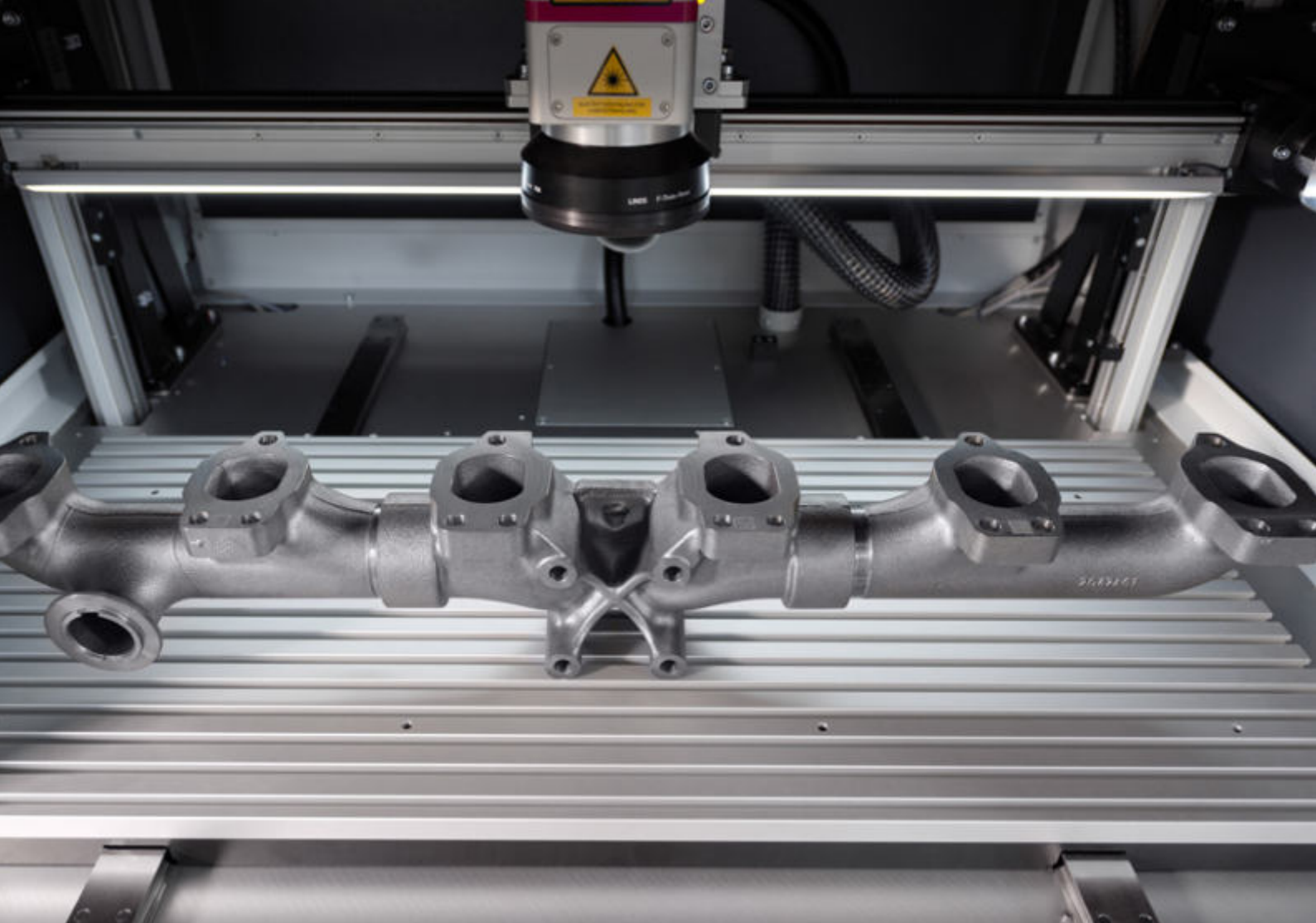
Instant productivity

The SpeedMark® software convinces with its graphic process-oriented user interface. This means that marking processes can be visually mapped without extensive previous programming knowledge. The Focus Finder helps to reduce commissioning times. Cycle times can be minimized with the Focus Shifter. The integrated parameter database for various materials also helps to save time and money. This reduces your rejects to a minimum, both for custom-made products and in series production.

Reliable productivity

Software and machine are designed to ensure not only simple and intuitive handling, but also full safety in handling the laser cell. All functions and productivity-enhancing options always take maximum laser and machine safety into account. This includes automated lift doors and rotary indexing tables for rapid part changes and the machine lighting and window concept for operator and work ergonomics.





Automated Productivity

From single parts to individual batches

Thanks to the large processing area of the SpeedMarker 1300 to 1600, a large number of small components can be marked with individual data as well as large-volume individual parts in a single operation. Special parts can also be adequately marked despite time pressure in line production. For many identical parts, templates are produced for better handling. On the one hand, the large work volume offers the possibility of marking large components. On the other hand, the installation space can also be used to increase productivity. For this purpose, for example, the SpeedMarker 1350 can be equipped with a shuttle table and one table can be reloaded simultaneously while the other is being processed.

Reliable serial production thanks to secure user interfaces

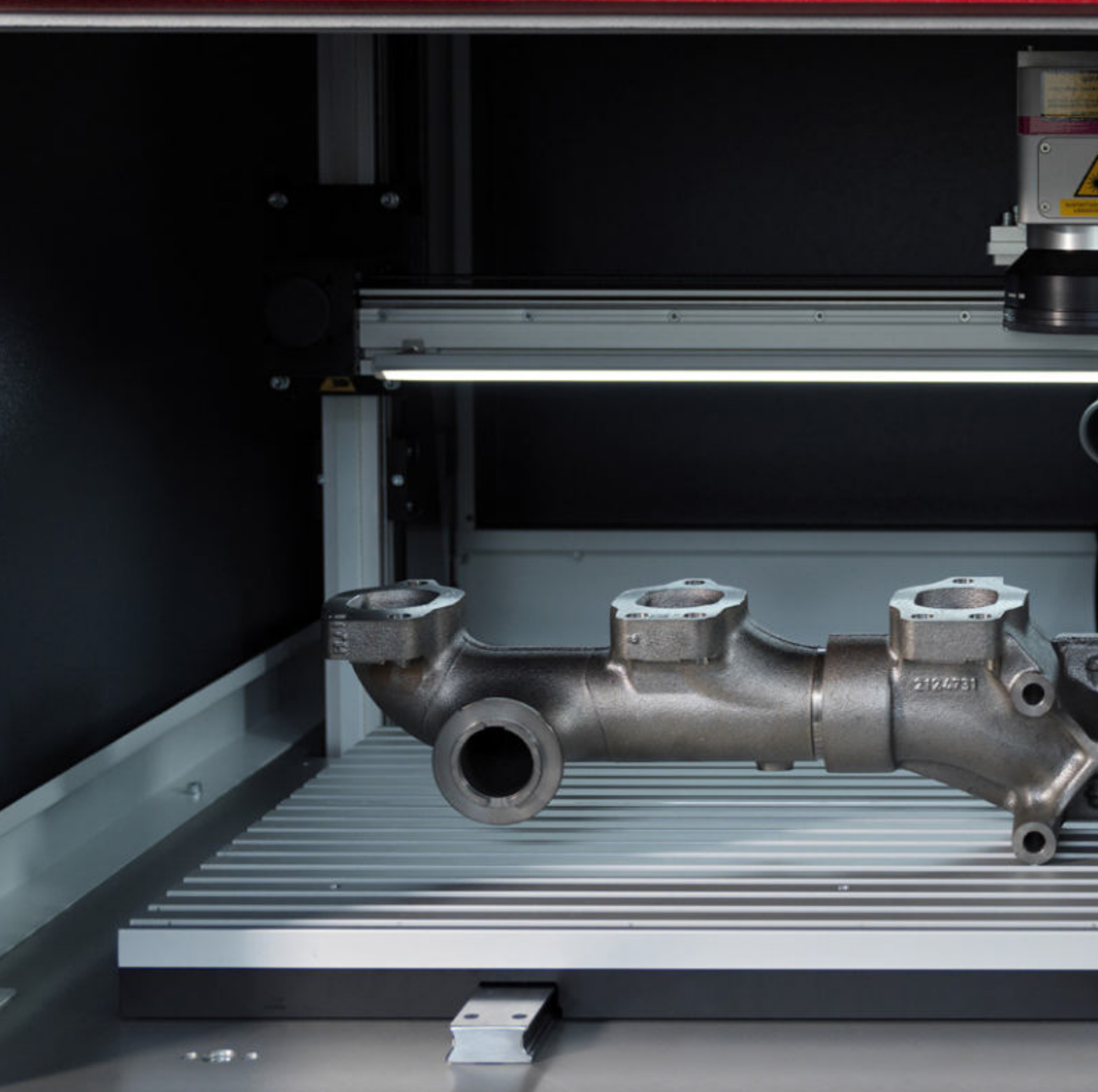
In order to increase the efficiency and quality of individual work orders to a maximum, it is advisable to map the process using various scripting options by default. Once the process has been described in the scripting, only two things need to be considered after each further processing: 1. insert the parts to be marked and 2. press the start button. Thus, the marking process can be reproduced identically by changing operators and error sources are reduced to a minimum. Standard software interfaces also help to eliminate unnecessary sources of error.

Unique marking quality and therefore reading reliability

Even with the smallest font sizes, legibility is still ensured by precise lettering. High detail sharpness, high contrasts and deep engraving prove the demanding marking quality. For deep engraving there is a special deep engraving model which leads to clean burrs without any post-processing. Thanks to the MOPA laser source, high-contrast markings on plastics can be carried out even more precisely. MOPA lasers can also be used to apply annealing markings on anodised aluminium and - under defined conditions - colour markings on stainless steel as well as precise metal engravings on the entire marking area. High-quality optics are used as standard for perfect marking results.

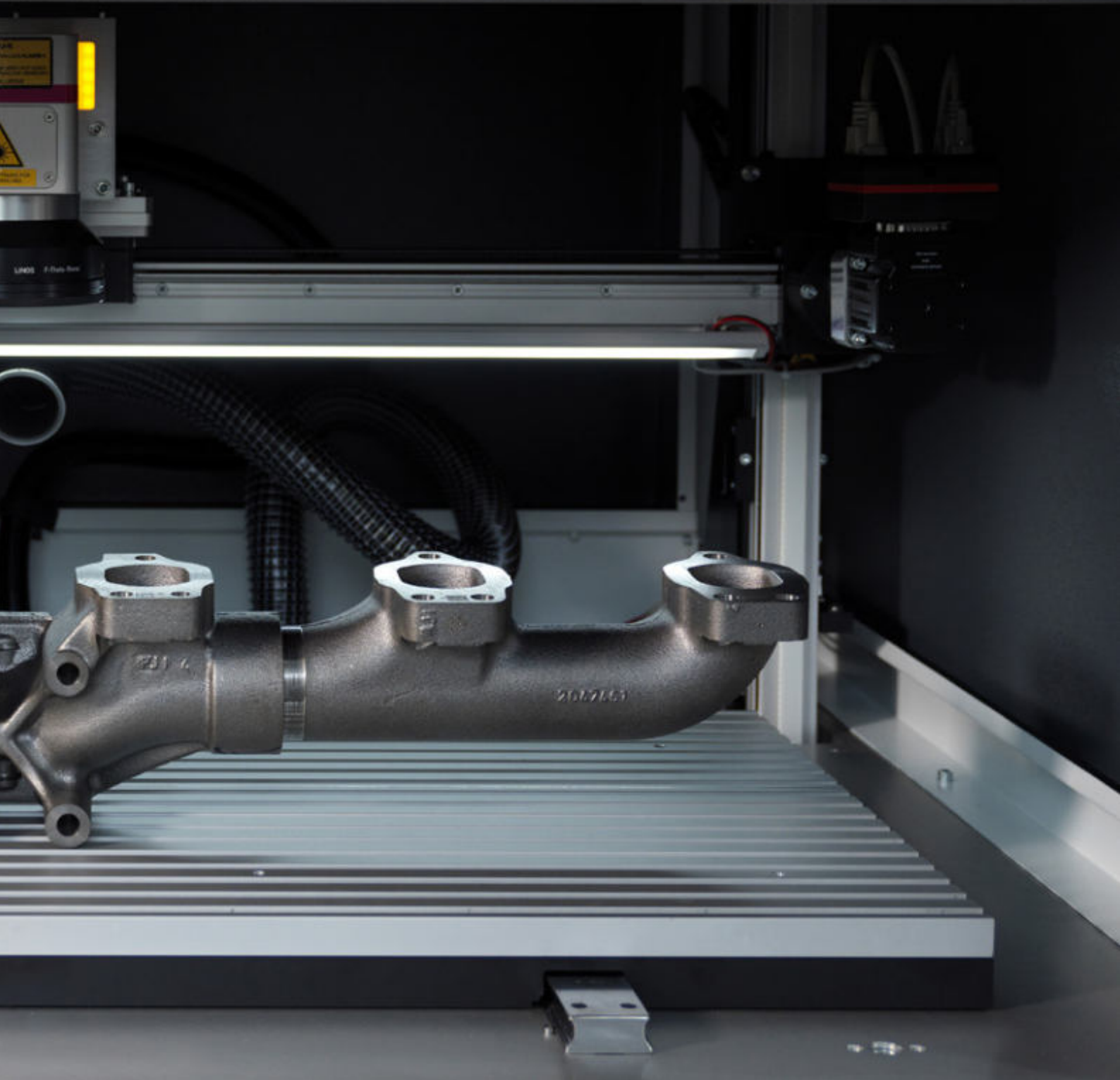
Created for Automation

SpeedMarker 1300

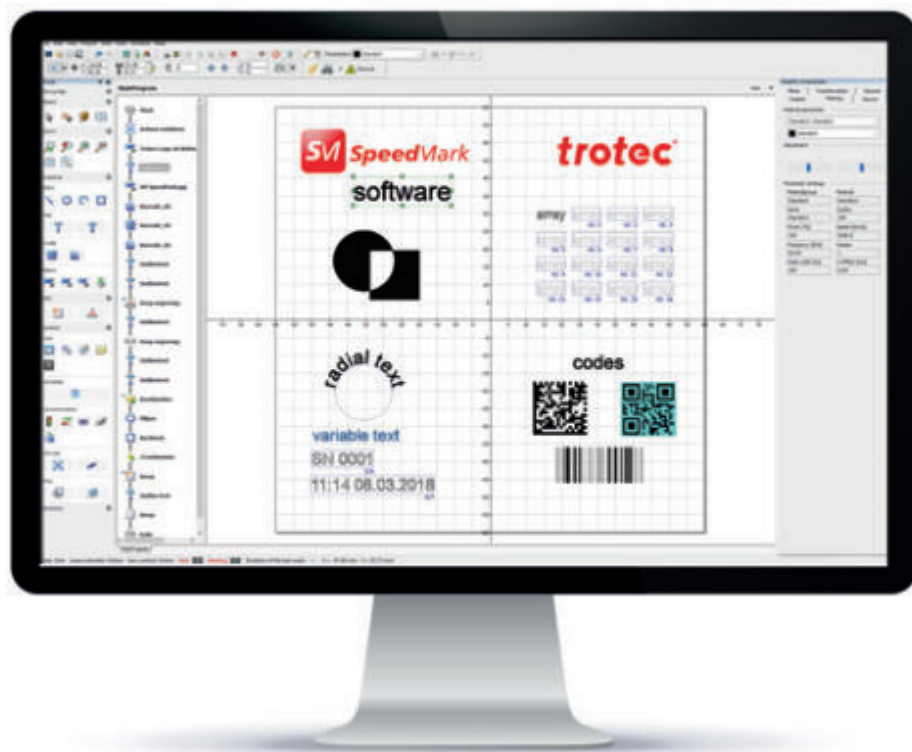


The all-rounder for laser markings

With a marking area of up to 1000 x 450 mm, there are virtually no limits to the use of the SpeedMarker 1300. Thanks to the possibility of marking even large-volume components with dynamic data on various metals and plastics, it is the ideal choice for ensuring maximum flexibility and high productivity. The SpeedMarker 1300 can also be equipped with Focus Shifter - this enables marking of components with different levels in even shorter time.



Visual Programming - Fast and High-Volume



Design your perfect marking content.

What do you want to mark? Graphics? Serial numbers? Barcodes? SpeedMark® offers a solution for nearly every task.

Dynamic Data

Serial numbers, date formats, time stamps, automatic sequential bar code generation with just one click

Different marking contents

Full or line text, circular text, 1-D and 2-D codes, graphics and photos, PDF documents with different layers

Import your data

Graphic files (jpg, bmp, etc.), DXF files and PDFs containing different layers.

Boost your productivity with graphical workflows

You want to mark more efficient? SpeedMark® supports you to create a workflow

Drag&Drop of flow chart elements

SpeedMark® represents complex program sequences in a simple way through its unique combination of flow chart for the program execution and a graphic field for marking.

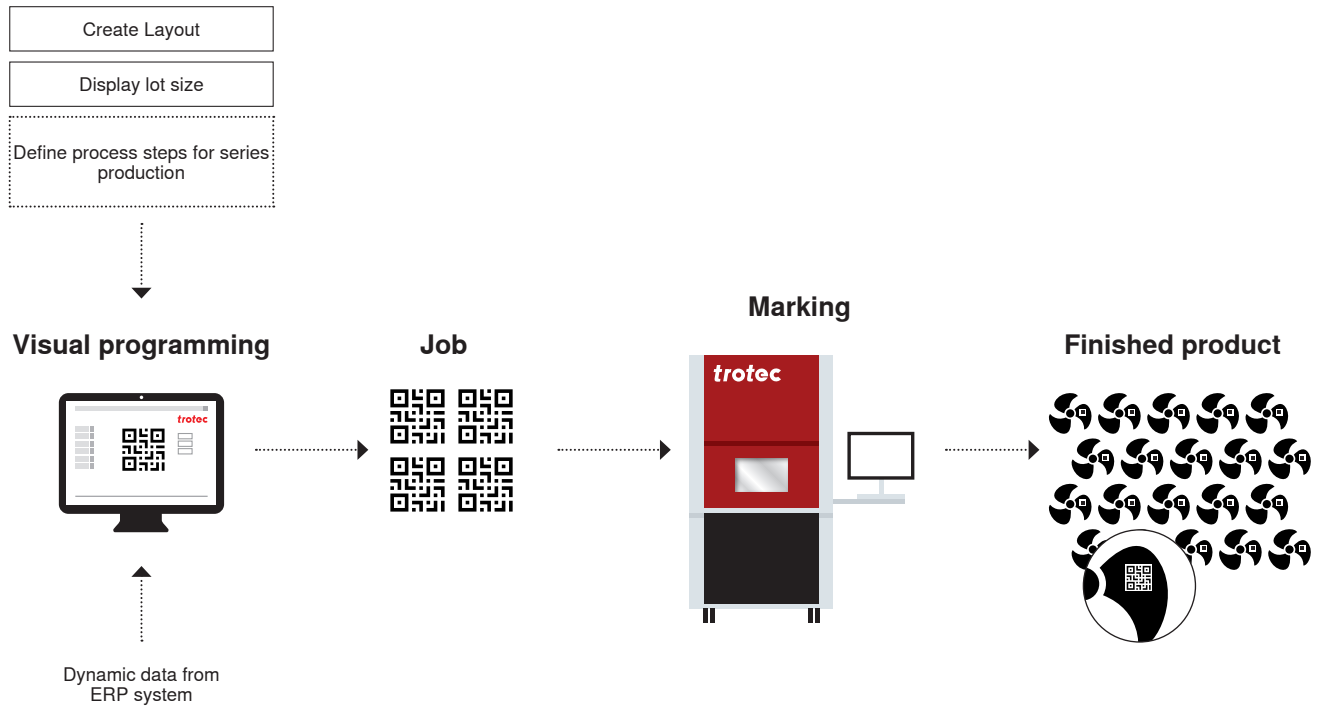
Array function

If many small pieces need to be laser marked, SpeedMark® has a workpiece carrier or template that makes it possible to mark them in just one pass.

Deep engraving function

Multiple processing passes as well as the adjustable focal distance guarantee deep engravings without refocusing.

Software with unique graphical user interface for quick and easy process improvements. The simple automation of process steps leads to consistent quality with recurring markings. Password-protected user interfaces support error-free production processes in series production.



Get the optimum result

Every material is different and so SpeedMark® supports many tools to get a perfect mark.

Material database

The easiest start – just choose a ready to use pre-defined or your own parameter setting from the material database. With lots of parameters for different laser power and different lenses.

Cleaning function

This function improves readability of codes on metal surfaces by automatically increasing the contrast.

SpeedMark® Vision

This optional camera-assisted tool is used to position the marking on workpieces even more accurately and faster. It also helps avoiding expensive defective products thanks to the feature SmartAdjust.

Create a fail save automation solution

You have a fixed workflow but now you want to protect it and make it easy to use for any operator? Or you have a more complex program?

Advanced Scripting

Visual basic based scripting solution connected to workflow elements and the ability to adapt code without compilation.

User screens

Create custom user screens from templates that are already connected to your program.

Connectivity

Communicate via Digital IO, RS232 or TCP/IP with other devices.

Instant Productivity



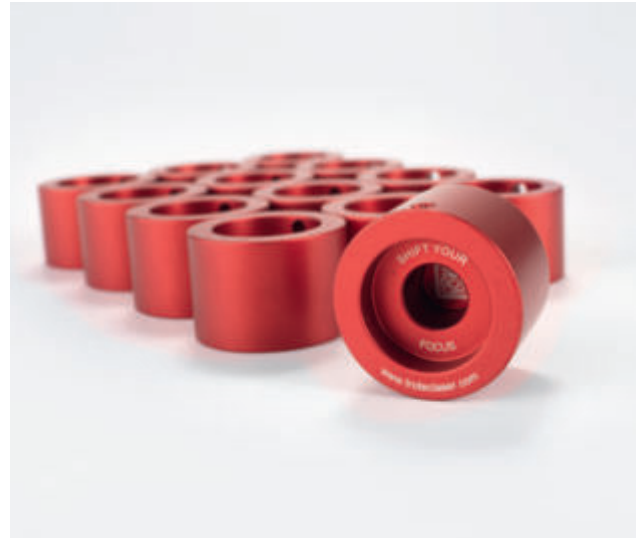


Avoidance of rejects

A special highlight of the SpeedMarker series is the border marking function to project the surface to be marked or even the contour onto the component at any time, position it in real time and correct it, if necessary, with a mouse click. This reduces the number of failed attempts to a minimum.

Cycle time optimization with Focus Shifter

The Focus Shifter as new optional equipment of all machines of the SpeedMarker series enables shortest cycle times even when marking on different levels. The built-in Focus Shifter eliminates the Z-axis movement. This saves even more valuable time in each pass.



Less wastage when setting up new materials

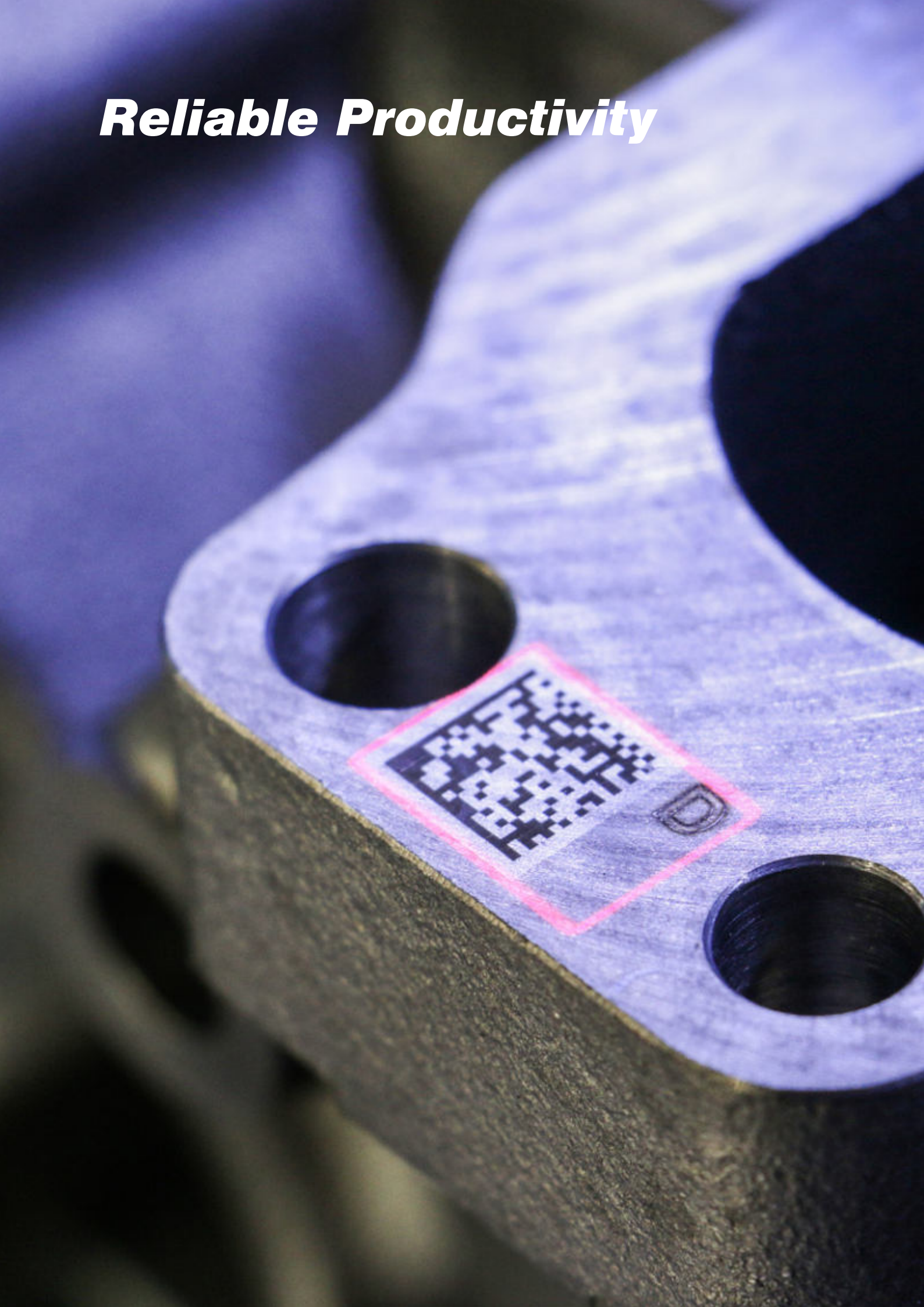
The SpeedMark® software has a large pool of predefined materials and the associated parameters for laser marking. This allows to produce a high quality laser marking in a short time without many unsuccessful attempts. For very demanding materials, this collection of parameters serves as a guideline.



Short commissioning time with Focus Finder

The standard integrated Focus Finder helps to determine the focus of the laser beam, even if the component height is not known. By gradually adjusting the distance between the area to be marked and the laser head, the perfect focus can be determined - exactly when the two laser beams of the focus finder and pilot laser meet.

Reliable Productivity

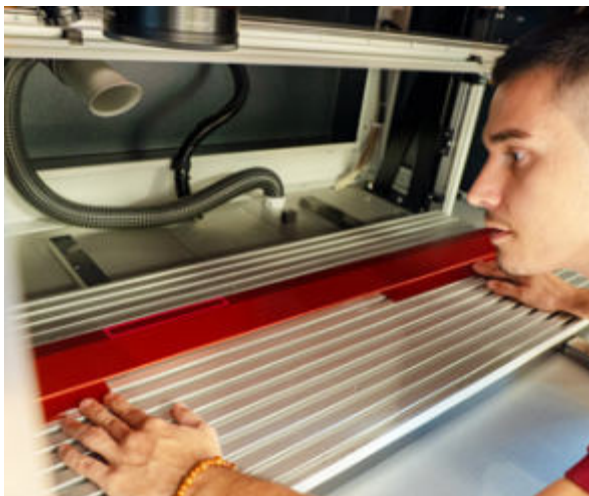


Safe - a term with several interpretations

By being safely productive, we mean not only the safety of the operator in handling laser cells of laser class 2, but also that you are safe and productive in the sense of guaranteed and productive. Why guaranteed? Because at Trotec only high-quality components are used and they are therefore highly supported in daily productivity.

High component standards for reliability

Designed for an industrial manufacturing environment. The high quality construction additionally meets all requirements regarding reliability and robustness of the high industrial standards. The large number of laser sources enables precise marking on different surfaces.

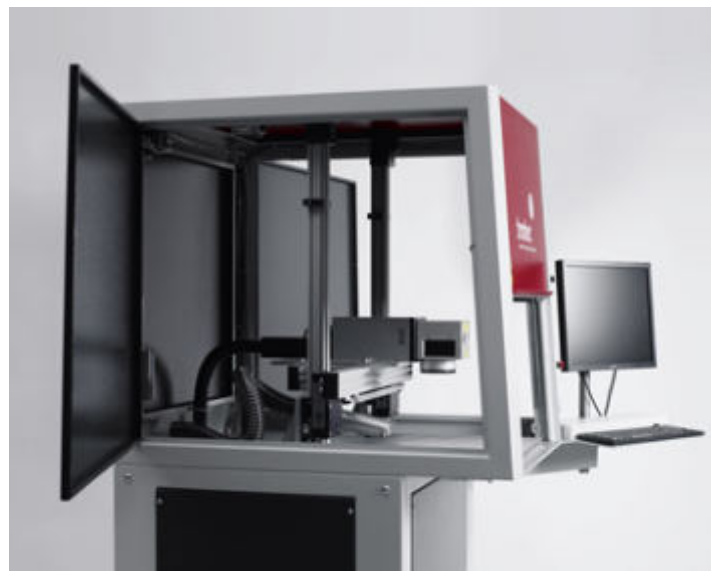


Laser and machine safety as top priority

By means of various loading concepts such as rotary indexing table, extendable table and double shuttle table, batches can be efficiently produced in large quantities. The gain in speed during the marking process and shorter loading times due to automatically opening lifting doors lead to a higher throughput. The lighting and window concept make it easier to monitor the processes.

TroCare

The warranty period of 2 years and the optional TroCare package ensure that you can produce 24/7 and reduce the risk of failure of your production to a minimum.



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 surfaces, a broad range of laminates (including multi-layer engraving materials for laser or milling), laserable 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 SpeedMark® laser software settings. This saves costly and time-consuming testing of the optimal settings.

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.

CO₂ for the Processing of Organic Materials

Precise and fine marking and cutting of thin materials can also be done on organic materials with a SpeedMarker by adding a powerful CO₂ laser. These materials include glass, textiles, leather, wood, paper, cardboard, acrylic or foil.



Marking of finest details on wood



Laser engraving on glass



Finishing on textiles

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 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.

Setting new Standards

As a technology leader with a worldwide sales network, Trotec develops and produces first-class laser systems to make our customers more profitable. This applies not only to the SpeedMarker series of laser markers but also to the Speedy series of laser engravers and the SP series of laser cutters.

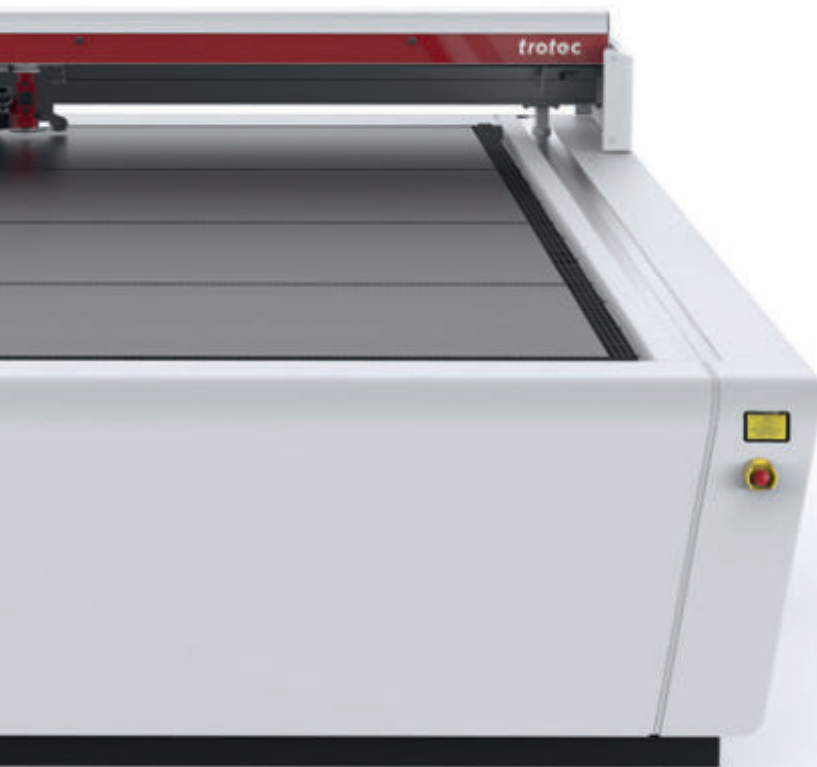
Profitability by design

The laser engravers of the Speedy series impress with their speed, intelligent functions and innovative technical design. For sign makers, advertising technicians, schools and universities, creative people or industrial users, our first-class solutions offer a real competitive advantage.



Leading large format

The SP series laser cutters are our complete solution for processing large format materials. Whether for display and shop construction, architectural model making, membrane keyboard production, print service providers, advertising technology, finishing of advertising or technical textiles and furniture construction, our laser systems are developed for 24/7 operation and let you work quickly, productively and reliably.



SpeedMarker Portfolio Overview

The overview of the SpeedMarker portfolio should help to recognize the differences between the individual laser systems. You can find exact technical details in the data sheets of the respective products.



	SpeedMarker 1600	SpeedMarker 1350
Maximum marking area ¹	1300 x 450 mm	1000 x 500 mm
Max. Workpiece height with F = 160 ⁴	427 mm	687 mm
Max. Workpiece height with F = 200 ⁴		
Max. Workpiece height with F = 250		
Max. Workpiece height with F = 254	277 mm	537 mm
Overall dimensions (W x D x H)	1600 x 1030 x 1790 mm	1300 x 1327 x 2040 mm
Max. marking speed	6m/sec., 800 cps ⁵	6m/sec., 800 cps ⁵
Max. positioning speed	12m/sec. with F = 160 mm	12m/sec. with F = 160 mm
Weight	500 kg	580 kg
Max. loading	50 kg	50 kg
Laser power		
Laser power fiber	20, 30, 50 watts	20, 30, 50 watts
Laser power MOPA	20, 100 wats	20, 100 watts
Laser power CO ₂		
Laser class	2	2
Z-axis	●	●
X-axis	●	●
Y-axis	●	●
Software		
SpeedMark®, DirectMark	●	●
WeldMark		
SpeedMark® Vision - Smart Adjust	○	○
Functions and Options		
Dynamic Shifter	○	○
Rotary attachment	○	○
Rotary attachment 2	○	○
Automatic lift door	●	●
Manual lift door		
Extendable table ³		○
Double shuttle table ³		○
Safety foot switch	○	○
High-Performance Industrial PC	○	○
Pass-through ²		
TroCare	○	○
2 years warranty	●	●
External interfaces		
Laser interlock, Marking start (24VDC), Marking stop (24 VDC), E-stop, Error reset, Laser busy	●	●
TCP/IP/RS232/	●	●
Programmable digital I/O (4/4)		
External programmable digital I/O (16/16)	○	○
Lenses		
	F = 100, F = 160 ⁴ , F = 254, F = 330, F = 420	F = 100, F = 160 ⁴ , F = 254, F = 330, F = 420
Compatible exhaust systems		
	Atmos Nano Atmos Mono HEPA Atmos Duo Plus HEPA	Atmos Nano Atmos Mono HEPA Atmos Duo Plus HEPA

● Standard

○ Optional

¹ Depending on lens and configuration

² Laser class 4 with pass-through

³ Reduces the maximum marking area

⁴ Standard scope of delivery

⁵ 1 mm single line with F = 160 mm

⁶ 1 mm single line with F = 200 mm



SpeedMarker 1300

1000 x 450 mm
453 mm

303 mm
1300 x 1030 x 1800 mm
6m/sec., 800 cps⁵
12m/sec. with F = 160 mm
400 kg
50 kg

20, 30, 50 watts
20, 100 watts

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F = 100, F = 160⁴, F = 254, F = 330,
F = 420
Atmos Nano
Atmos Mono HEPA
Atmos Duo Plus HEPA

SpeedMarker 700 Fiber

580 x 495 mm
469 mm

319 mm
780 x 981 x 1802 mm
6m/sec., 800 cps⁵
12m/sec. with F = 160 mm
260 kg
50 kg, with y-axis 30 kg

20, 30, 50 watts
20, 100 watts

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F = 100, F = 160⁴, F = 254, F = 330,
F = 420
Atmos Nano
Atmos Mono HEPA
Atmos Duo Plus HEPA

SpeedMarker 700 RT (Rotary Table)

310 x 310 mm
195 mm

195 mm
780 x 1144 x 1804 mm
6m/sec., 800 cps⁵
12m/sec. with F = 160 mm
300 kg
20 kg

20, 30, 50 watts
20, 100 watts

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F = 100, F = 160⁴, F = 254, F = 330,
F = 420
Atmos Nano
Atmos Mono HEPA
Atmos Duo Plus HEPA



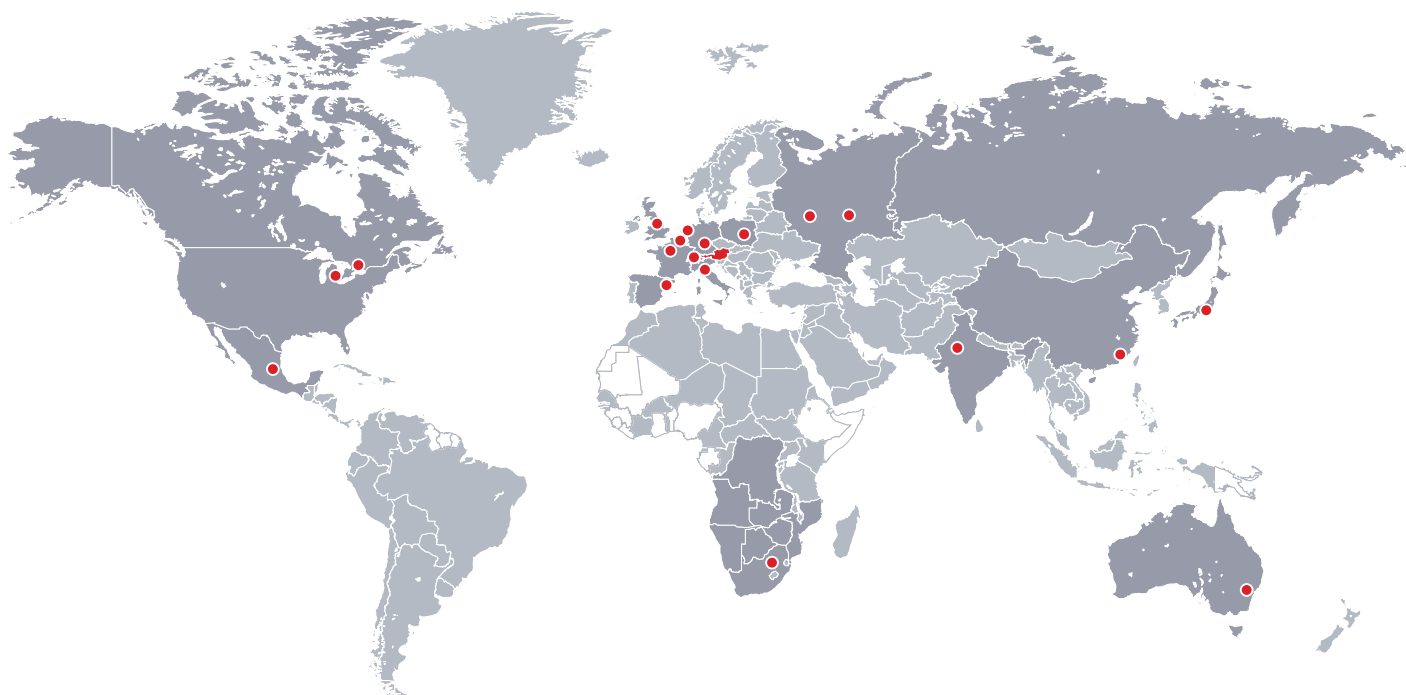
SpeedMarker 700 CO ₂	SpeedMarker 300	SpeedMarker 50	SpeedMarker CL
280 x 280 mm	190 x 190 mm	310 x 310 mm	280 x 280 mm
379 mm	171 mm		
330 mm			
	22 mm		
780 x 1188 x 1802 mm	572 x 851 x 653 mm	375 x 800 x 666 mmm	
450 cps ⁶	6m/sec., 800 cps ⁵	6m/sec., 800 cps ⁵	450 cps ⁶
7m/sec. with F = 200 mm	12m/sec. with F = 160 mm	12m/sec. with F = 160 mm	7m/sec. with F = 200 mm
260 kg	77 kg	62 kg	56 kg
50 kg	25 kg		
	20, 30, 50 watts	20, 30, 50 watts	
	20, 100 watts	20, 100 watts	
30, 45 watts			30, 45 watts
2	2	4	4
●	●	○	
	●	●	
●	○	○	●
	○	○	
	○	○	
●	●		●
	○	○	
○	○	○	
●	●	●	○
●	●	●	●
	●	●	
	○	○	
F = 100, F = 150, F = 200 ⁴ , F = 250, F = 300, F = 400	F = 100, F = 160 ⁴ , F = 254	F = 100, F = 160 ⁴ , F = 254, F = 330, F = 420	F = 100, F = 150, F = 200 ⁴ , F = 250, F = 300, F = 400
Atmos Mono	Atmos Nano	Atmos Nano	Atmos Mono
Atmos Duo	Atmos Mono HEPA	Atmos Mono HEPA	Atmos Duo
Atmos Pre-Filter VA 5	Atmos Duo Plus HEPA	Atmos Duo Plus HEPA	Atmos Pre-Filter VA 5

***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.



SpeedMarker 700



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