

A Checklist For Your Laser Needs ... Now And In The Future

- **Is the laser suitable for simple and complex applications?**

The Speedy 300 can handle small and simple applications—and its working surface of 726 x 432 mm / 29 x 17 inches (working height of 200 mm / 7.8 inches) is also suitable for processing large, complex parts. For you, this means total flexibility, whether you're working on a single item or batch lots.

- **Will the laser system be as productive as you need and meet your quality standards?**

Compare production time and quality of identical jobs. A larger job will better demonstrate differences in productivity than a smaller job. Smaller characters and intricate details will demonstrate differences in quality.

- **Is the laser system equipped with a printer driver and JobControl Software?**

With Trotec's JobControl software you have full control over all laser functions. In addition, the JobControl monitors machine functions including the laser, exhaust and air assist systems.

- **How experienced is the laser supplier?**

Trotec offers proven, hands-on experience from thousands of installations. Laser systems and installations prove their true quality during intense operation. Trotec's systems stand up to the most extracting empirical tests. For you, this means peace of mind—especially with our extensive warranties and customer care options.

- **Are you covered if anything goes wrong?**

Trotec offers immediate response service for any concern. For you, this means fast support, guaranteed—whether it's through our remote maintenance capabilities or delivered directly from our network of 80 service bases around the world.

www.troteclaser.com

Linzer Str. 156
A-4600 Wels
Tel. +43 / 72 42 / 239-0
Fax +43 / 72 42 / 239-7380
trotec@trotec.net
www.troteclaser.com

trotec[®]
laser engraving technology

Laser systems Speedy 300



Worldwide Leading Laser Engraving Technology

trotec[®]
laser engraving technology

Superior laser engraving has a name: **Trotec Speedy 300**

**Your
Investment**

Productivity & Performance

Trotec lasers are the fastest and most productive systems on the market. We have continued to improve the performance of our motion systems so that we can now achieve a top speed of **355 cm/sec., or 140 inches/sec.**, with an acceleration of **5 g.**

Your benefit: You can produce 30% – 100% more than competitive systems—every day—without sacrificing quality and this translates to higher profits. Better performance combined with the highest possible quality at prices that are surprisingly affordable. Performance, productivity, quality and reliability add up to a lower total cost of ownership—this means value when you choose Trotec.

**Your
Return**

InPack-Technology™

- **Maximum protection from dust & other contaminants**
- **Ultra long lifetime—less maintenance**
- **Highest quality components**
- **High-speed, stainless steel, self-lubricating linear bearings**
- **Brushless DC servo motors**

InPack-Technology™ is a combination of the highest quality components for ultra long lifetime combined with protection of the optics and all sensitive components. Trotec systems are designed for minimal wear-and-tear. Our design and manufacturing quality standards make sure your **Speedy 300** will be ready for years of trouble free, heavy-duty production. You can forget the added costs of spare parts that need to be replaced regularly on competitors' systems. It all adds up to a lower total cost of ownership over the lifetime of each **Speedy 300** laser system.



Applications that will excite your customers



Glassware



Stainless steel



Architectural models



Signs



Promotional items

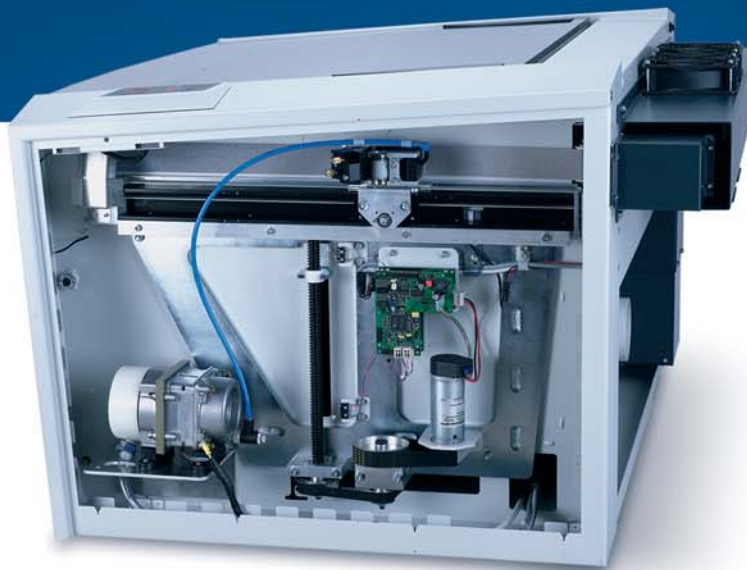
The **Speedy 300** is an excellent choice for the production of:

- architectural models
- barcodes
- office accessories
- trophies
- glassware
- greeting cards
- wood inlay
- name badges
- insignia
- seal presses
- serialization
- signs
- key rings
- writing instruments
- stamps
- type plates
- promotional items
- ... and many more

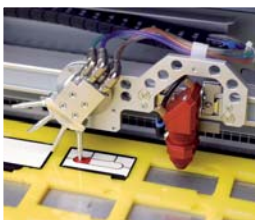
Materials that can be processed with **Speedy 300**:

	Engraving	Cutting	Marking
Acrylic	•	•	
Anodized aluminum			•
Cardboard	•	•	
Ceramics	•		•
Cork	•		
Delrin	•	•	
Fabrics	•	•	
Glass	•		
Laser rubber	•	•	
Leather	•		
MDF	•	•	
Melamine	•		
Micro porous rubber	•	•	
Painted metals			•
Paper	•	•	
Plastics	•	•	
Polyester	•	•	
Rubber	•	•	
Stainless steel			•
Stone	•		
Veneer	•	•	
Wood	•	•	

The technology of Speedy 300



• Overall dimensions (WxDxH)	1090 x 890 x 590 mm (42.9 x 35 x 23.2 inches)
• Max. dimension of workpiece	726 x 432 x 200 mm (29 x 17 x 7.8 inches)
• Processing speed	355 cm/second (140 inches/second), acceleration 5g
• Accuracy	Addressable accuracy: 5µm Static repeat accuracy: <± 15µm
• Mechanical design	Fully enclosed chassis with double safety interlock system Laser safety class 2 Drives with maintenance-free, brushless DC servo motors InPack-Technology™
• Laser	Sealed-Off CO ₂ laser from 12-120 watts



The first stamp that makes an impression in 4 colors.

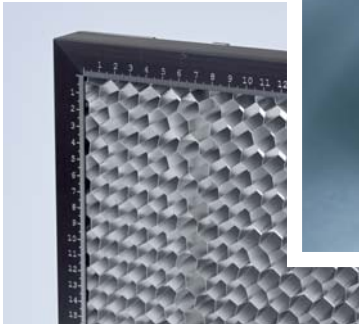
The Speedy 300 is the only laser system world-wide that enables you to compile four colors of your choice for your individual impression.

This means: Engraving of rubber text plate, cutting and inking of inkpad with one machine! Clean, simple and reliable.

A unique technology—only from Trotec.

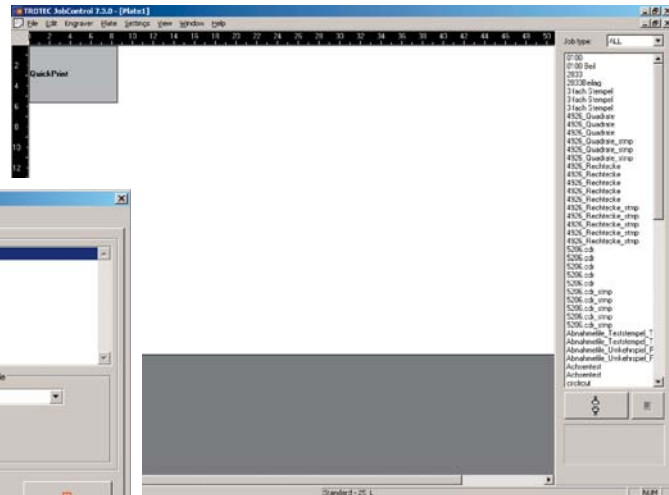
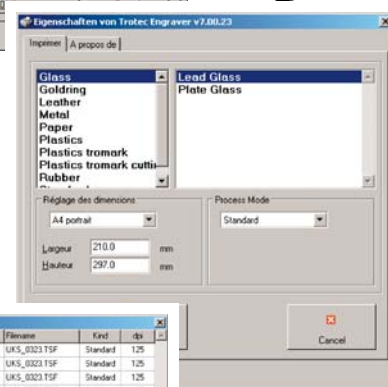


From your Speedy 300 you can expect



- **Laserpointer:** Precise positioning prior to the start of the job.
- **Autofocus:** Electro-optic autofocus with light barriers. Maximum convenience for the operator through correct focusing of the laser beam on the surface of the workpiece.
- **Air assist:** Prevents combustion of flammable materials, helps to direct debris and fumes towards the exhaust vents and protects the lens. Can be fully controlled by the **JobControl** software.
- **Worktable (ferro magnetic):** Constructed of ferro-magnetic stainless steel, formed around a plastic core and glued under pressure on a granite block to insure the flattest work surface possible. This means consistent focal length and the ability to hold thin materials (e.g. paper, foils, fabric) using magnets.
- **Honeycomb table:** This table insert is used for cutting, as it minimizes burning and melting on the back of the material by reducing reflection of the beam from the table. Air and smoke are drawn through the honeycombs and it helps to keep the system cleaner. It includes rulers and fixing brackets for exact positioning into the working area.
- **Lens:** Different applications require different lenses to obtain the best possible result. The Speedy 300 can be equipped with lenses of 1.5, 2.0, 2.5 or 4.0 inch focal lengths.
- **Rotary attachments:** Permit engraving of cylindrical, conical or spherical objects such as glassware, trophies, mugs or bottles. Various adapters and chucks offer additional versatility. We offer several different designs depending on your unique requirements.
- **Harsh environment kit:** Offers additional protection and is recommended for contaminant-intensive operations such as rubber stamp or wood manufacturing.
- **Laserpower upgrade:** Up to 120 watts. You can benefit from higher productivity without the need to buy a new system if only more power is required.
- **Trolley base with storage shelf:** Helps to keep the area around the laser machine organized, offering convenient storage for the rotary engraving device, the laser cutting table or various laser consumables such as laminates or laser rubber.
- **Exhaust systems:** A powerful exhaust system is absolutely essential for the continued safe operation of your laser machine, and can offer much-needed protection for you, your employees and the environment. Trotec offers a broad range of exhaust systems that can be used with the Speedy 300 for any type of laser application. All Trotec exhaust systems can be fully controlled via the **JobControl** software including automatic shutdown when the laser is not operating.
- **Vacuum table:** Produces a slight vacuum and prevents the material from slipping or shifting of light weight materials thus. Reduces handling tasks through mechanical fixing (e.g. with adhesive tape) and improves cutting results.
- **Variable interface:** The Speedy 300 can be connected with your computer via a USB or a serial cable.
- **Safety sensor:** Offers optimum safety in laser processing. Reacts to untypical activities within the engraving area and stops the actual laser process. Can be coupled to an optical or acoustic signal.
- **E-commerce-connection:** Your customers can prepare text and logos online, and transmit the laser job directly to your laser software—reducing handling, job adjustment and proofreading tasks (in connection with internet shop).
- **Controlled Z-Axis:** For “on-the-fly” adjustment. Another unique feature available only from Trotec.

Smart Software for Heavy Use



ID-Number	Date	Start	Duration	Jobname	Jobnumber	Filename	Kind	Obj.
112	2005-05-09	15:41	00:00:00	UKS_Speed2	021203_044	UKS_0323 15F	Standard	125
113	2005-05-09	15:42	00:00:00	UKS_Speed2	021203_044	UKS_0323 15F	Standard	125
114	2005-05-09	15:42	00:00:44	UKS_Speed2	021203_044	UKS_0323 15F	Standard	125
115	2005-05-09	15:44	00:00:45	UKS_Speed2	021203_044	UKS_0323 15F	Standard	125
116	2005-05-09	15:45	00:00:54	UKS_Speed2	021203_044	UKS_0323 15F	Standard	125
117	2005-05-09	15:46	00:01:30	3fach Stempel	1293	1-1672000-31a0939	Standard	500
118	2005-05-09	15:48	00:01:21	3fach Stempel	1293	1-1672000-31a0939	Standard	500
119	2005-05-09	15:50	00:01:48	3fach Stempel	1293	1-1672000-31a0939	Standard	500
120	2005-05-09	15:52	00:09:24	3fach Stempel	1293	1-1672000-31a0939	Standard	500
121	2005-05-09	16:02	00:11:20	3fach Stempel	1293	1-1672000-31a0939	Standard	500
122	2005-05-09	16:14	00:01:21	3fach Stempel	1293	1-1672000-31a0939	Standard	500
123	2005-05-09	16:16	00:01:48	3fach Stempel	1293	1-1672000-31a0939	Standard	500

Only from Trotec:

Unmatched Control of Operating Parameters

JobControl is our unique print driver solution for managing work flow by providing more control over machine parameters, job positioning and historical data than any other system. The look and operator functionality can be modified to fit your methods of operation, not the other way around.

JobControl

- Change of parameters “on-the-fly”
- Material database with predefined parameters
- Software-autofocus enables precise focusing on the materials surface with only one mouse click
- Marker for precise positioning even for finest engraving jobs
- Engraver protocol helps to calculate costs and plan production schedules
- Reverse engraving—reduces cleaning of the workpieces (e.g. plastic signs)
- Smoothing of outlines—perfect curves and circular paths also from CorelDraw
- Vector sorting—automatically processes vectors in optimized order
- Multi Color function—for the production of textplates for Multi Color Stamps

And many more

A Global Presence ... with Local Support



A history of success

Trotec lasers are used in over 90 countries worldwide. With thousands of installed systems, we offer a wealth of experience and expertise in laser engraving and industrial marking. Most importantly, we have earned the trust of our many international customers.

Our Trotec service partners in over 80 countries participate in training programs on a continuous basis—so we can always offer the highest level of professional maintenance services for your Trotec laser system.

In addition, our **JobControl** software offers the unique opportunity to evaluate the status of your laser installation via remote maintenance and diagnostics, in real time, so we can always guarantee maximum reliability and availability for your business success—both now and in the future.

A commitment to your satisfaction

Our goal is to pursue constant, user-oriented innovation. We are committed to always providing you with the perfect product for all of your marking application needs.

That's why we are committed to really knowing and understanding both the market, and our customers. As such, we invest continuously in product development and market research at our state-of-the-art application labs.

With smart devices, a motivated team of experts, and renowned customer service, we can consistently provide you with top-quality, leading-edge laser solutions at a competitive price.