trotec

Speedy Series

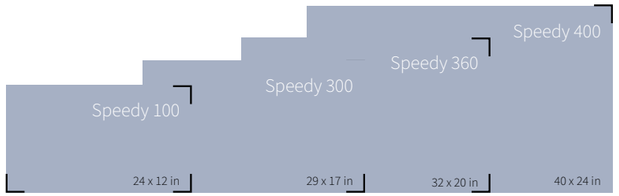
High-speed laser engraving and cutting

The best of the best, now better than ever

Whether you are an entrepreneur new to laser engraving or a seasoned veteran looking to grow your business, Speedy laser systems can make you more profitable. Designed to help you grow your business, Speedy lasers offer maximum processing speeds of 170 inch/sec, making them the fastest and most productive laser machines on the market. The system's patented low-maintenance design encloses sensitive system critical components in a rugged housing, protecting them from dirt and dust, which significantly minimizes maintenance requirements, downtime and overall ownership costs.

Platform sizes range from 24 x 12 inches to 40 x 24 inches, and all are available with a CO_2 laser, a fiber laser, or with flexx technology that combines both laser sources in one system. The patented flexx function enables you to use both laser sources in one job without having to change the laser source, the lenses or the focus manually.

Speedy platform sizes from 24 x 12 inch up to 40 x 24 inch



Options to extend your capabilities

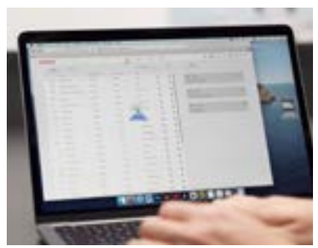
Multifunctional table concept
Speedy systems can be used with different tables, so you can quickly and easily select the ideal table for your application. You can choose between an engraving, vacuum or cutting table, an aluminum or acrylic cutting grid table and a honeycomb table top..

Flexx technology™
The Speedy flexx laser machines are equipped with both a CO_2 and a fiber laser. Depending on the material, the two laser sources are activated alternately, allowing you to perform endless applications in one process step. Each Speedy laser can be upgraded to flexx at any time.

The widest range of options
You can start with the options you really need and let your Speedy grow with your business by adding options such as our Vision registration software for print-and-cut applications, rotary attachment to engrave cylindrical workpieces, and various lenses, to name a few.

Camera-assisted technologies for better processing results
Trotec lasers feature two different types of camera-assisted technology that boost efficiency and improve laser processing results. Our Vision Print & Cut camera registration software allows you to produce precise details and contours on pre-printed materials, and cut materials to exact specifications. This camera-assisted technology uses registration marks to detect and correct errors during processing, drastically improving your results and saving you from costly scrap and rework. Vision Design & Position is our 12 megapixel vision positioning camera situated on the lid of the laser machine, which speeds workflow by delivering a live image of the work area onto the operating PC in real time, eliminating the need for manual positioning of the laser pointer and saving position data to the software.

Usability by design

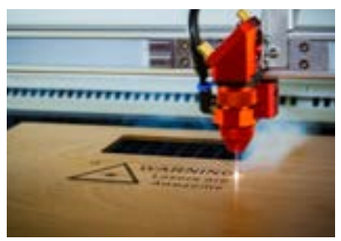


Ruby: Laser software redefined
Trotec Ruby provides a fast, easy and seamless workflow—enabling you to directly import files or create graphic, text and photo elements in one system—ultimately allowing you to cut the time from idea to product in half. You can also use Ruby with your Mac and connect all your lasers with remote access.

Speedy 400 Run on Ruby
Now the Speedy 400 comes equipped with a touch panel with direct access to Ruby, making it possible to operate the laser in your network via Ethernet or WiFi without the need for an additional PC.

CeramiCore® technology
Speedy lasers are equipped with a new line of CO_2 laser sources from US-based manufacturer Iradion Laser, Inc. These 100% ceramic laser sources offer more benefits than glass or metal tubes, including a superior build, an extended lifetime, faster pulse rates, and a higher engraving quality.

Productivity-boosting features



OptiMotion™
Designed to maximize the cutting speed at the highest cutting quality, OptiMotion™ calculates the speed and acceleration required to give you the best and fastest cutting results. You only need to determine the parameters required to cut or vector engrave your material while OptiMotion will find the optimal speed parameters, regardless of the cutting geometry.

Maximum engraving speed
By processing at a maximum speed of 170 inch/sec and acceleration of 5g, Speedy laser systems are designed to increase your production capacity. Equip your Speedy with high laser power and outperform your competitors.

InPack Technology™
To achieve the best engraving and cutting results, the axis must be in perfect working condition. InPack Technology™ protects the guide components against dust and debris, keeping the axis in working order and guaranteeing years of trouble-free processing even under intensive use.

The Speedy Series

	Speedy 100	Speedy 300	Speedy 360	Speedy 400
Product portfolio	Speedy 100 Speedy 100 fiber* Speedy 100 flexx	Speedy 300 Speedy 300 fiber* Speedy 300 flexx	Speedy 360 Speedy 360 flexx	Speedy 400 Speedy 400 flexx
Overall dimensions (WxDxH)	40 x 30.9 x 18.4 in	44.5 x 37.1 x 41.5 in	48 x 32.8 x 42 in	56.2 x 38.5 x 41.5 in
Working area	24 x 12 in	29 x 17 in	32 x 20 in	40 x 24 in
Max. height of workpiece**	6.2 in	7.8 in	8.2 in	12 in
Max. processing speed CO_2 laser Fiber laser Acceleration	 110 in/sec 110 in/sec 4g	 140 in/sec 140 in/sec 5g	 140 in/sec 78.7 in/sec 5g	 170 in/sec 78.7 in/sec 5g
Laser power CO_2 laser Fiber laser	 30 – 60 watt 20 – 30 watt	 30 – 120 watt 20 – 50 watt	 40 – 120 watt 20 – 50 watt	 40 – 120 watt 20 – 50 watt
Multifunctional table concept			•	•
Rotary attachment	•	•	•	•
Pass-through option				•
InPack Technology™	•	•	•	•
Vision Print & Cut		•	•	•
Vision Design & Position			•*	•
Sonar Technology™			•	•

* Special order only, may have longer lead times

** Based on 2.0 in lens, varies based on length of lens used

Materials for laser engraving and cutting

	Engrave			Cut			Mark		
	CO_2	fiber	flexx	CO_2	fiber	flexx	CO_2	fiber	flexx
Acrylic	•		•	•		•		•	•
Aluminum*		•	•		•	•		•	•
Anodized Aluminum*	•	•	•		•	•		•	•
Glass	•		•						
Fabric	•		•	•		•			
Laminates	•		•	•		•		•	•
Leather	•		•	•		•			
Metal*		•	•		•	•		•	•
Paper	•		•	•		•			
Plastic	•	•	•	•		•		•	•
Stainless Steel*		•	•		•	•		•	•
Stone	•		•						
Wood	•		•	•		•			

* Cutting metal films up to 0.5 mm (.0197 in.) thickness possible. Individual tests recommended.

Processing uncoated metals with a CO_2 laser requires an additional step and the use of consumables, such as laser marking ink.

Trotec Laser, Inc.
44747 Helm Ct, Plymouth, MI 48170
sales@troteclaser.com
Phone: 866-226-8505 / Fax: 734-927-6323

troteclaser.com
engraving-supplies.com
/TrotecLaserUSA

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