

For demanding first-time users

→ Speedy 100 platform



www.troteclaser.com

setting
new
standards



For all engraving and cutting tasks

Working area 610 x 305 mm

For all popular standard material sizes

Available with CO₂ and fiber laser or both

The compact solution for laser engraving and marking:

→ Speedy 100

The Trotec Speedy 100 laser engraver offers a compact, entry-level solution carefully designed to meet the evolving laser engraving and laser cutting needs of growing businesses. The Speedy 100 is totally scalable in terms of software, performance, and laser power. And it carries the Trotec family genes: top quality, unmatched performance, and technological leadership. Speedy 100 is a small business investment today that will pay off big tomorrow.

- Speedy 100 available with CO₂ or fiber laser or both
- Performance upgrade: higher processing speed
Laser power upgrade: more laser power (up to 60 watts CO₂ or up to 30 watts fiber laser)
- Software upgrade: More functions to control your Speedy 100
- Extended warranty: up to 5 years

Standard

→ InPack-Technology

Protects dust-sensitive components such as the mechanical components, optical elements and electronics. Consequently, the Speedy 100 operates practically without maintenance expense or part wear, even when utilized extensively! For you this means greater productivity at lower costs.

Focusing lens

The Speedy 100 CO₂ laser comes with a 2 inch lens as a standard. The Speedy 100 fiber is equipped with a 3.2 inch lens.

Laser pointer

A red laser pointer indicates the location at which the laser beam will contact the material. You can minimize the risk of faulty engraving by precise positioning of the job before the engraving begins!

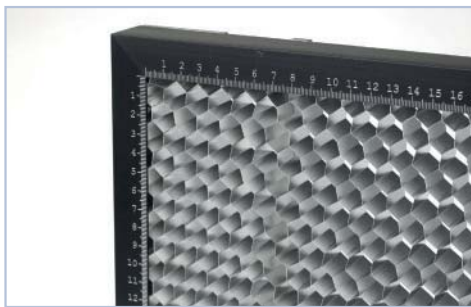
JobControl® software

Supports you perfectly in handling your engraving jobs. JobControl lets you utilize your computer's performance allowing access to the many useful and intelligent functions that make your work easier.

Ready for flexx

The Speedy 100 can be fitted with an additional laser source. The Speedy 100 and the Speedy 100 fiber can be upgraded to a Speedy 100 flexx at any time. This offers you the flexibility to adapt the laser to suit your needs.

Options



Honeycomb table

The solid honeycomb structure minimizes beam back reflection and yields perfect cutting results.

Cylindrical engraving device

For engraving cylindrical, conical or spherical objects such as bottles, glasses, balls or mugs up to 350 mm in length and 76 mm in diameter.



Electro-optic autofocus

The upward motion is stopped as soon as the inserted material breaks a light. 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. Full control (on/off) via JobControl® software.

→ InPack-Technology

- Maximum dust protection
- Highest quality components
- Linear guide rails
- Ultra-long lifetime – less maintenance



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 100 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 100 laser system.

→ Control of the exhaust system

Trotec exhaust system owners can automatically control this system via JobControl®. For example, you can initiate the exhaust power before the start of engraving or after the end of engraving to optimize the removal of dust or fumes. You also get dynamic feedback on turbine activity and filter saturation.

Working platform (ferromagnetic)

The working platform of the Speedy 100 is ferromagnetically treated. This means that it is easy to mount thin materials like paper or films using magnetic retention.

Bi-directional communication

Connects a PC to your Speedy 100. This gives you full control of many laser functions at all times. You can start any engraving job without leaving your workplace.

Standards



Additional lenses

For perfect CO₂ engraving and cutting results, lenses with different focal lengths may be used, depending on the application.
(1.5 inch, 2.5 inch CO₂ lens)

Supporting frame with storage bin

Utilize the space beneath the laser system as a storage area. Important accessories such as materials, basic engraving devices, etc. are ready to use when needed. Helps to organize your production environment or your local shop.



Exhaust systems

An exhaust system is absolutely recommended for optimal operation of the laser. Trotec offers a variety of exhaust systems depending on the application. Special integrated electronics let you control the Trotec exhaust systems remotely via JobControl® software.

Laser power upgrade

By taking advantage of a power upgrade (up to 60 watts CO₂, up to 30 watts fiber laser), users can benefit from higher productivity when they need it, without investing into new units each time an upgrade is needed.

Options

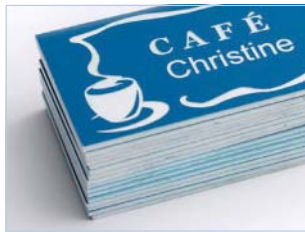
→ Technical details

	Speedy 100	Speedy 100 fiber	Speedy 100 flexx
Overall dimensions (W x D x H):	982 x 780 x 457 mm	982 x 780 x 457 mm	982 x 780 x 975 mm
Working area:	610 x 305 mm	610 x 305 mm	610 x 305 mm
Max. height of workpiece:	170 mm	125 mm	170 mm
Max. engraving speed:	180 cm/sec. standard 280 cm/sec. performance upgrade	200 cm/sec.	CO ₂ : 280 cm/sec. fiber: 200 cm/sec.
Upgrade possibilities:	Software, performance, laser power	Laser power	Laser power
Laser design:	CO ₂ laser: 12-60 watts	Pulsed fiber laser 10, 20, 30 watts	CO ₂ : 40-60 watts fiber: 10-30 watts
Mechanical design:	Fully enclosed chassis with double, safety interlock system, laser safety class 2, CE compliant, maintenance-free, brushless DC servo motors, InPack-Technology		

→ **Trotec laser – developed and built in Austria**

Send us your materials and samples: Our application engineers support you in looking for the optimal laser system for you.

Application examples CO₂ laser



Application examples flexx



Application examples fiber laser



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