

For demanding first-time users

## → Speedy 100 platform



For all engraving and cutting tasks

Working area 610 x 305 mm

For all popular standard material sizes

Available with CO<sub>2</sub> 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 CO<sub>2</sub> or fiber laser or both
- Performance upgrade: higher processing speed  
Laser power upgrade: more laser power (up to 60 watts CO<sub>2</sub> or up to 30 watts fiber laser)
- Software upgrade: More functions to control your Speedy 100
- Extended warranty: up to 5 years

## Standard

### → JobControl® Laser Software

The Trotec laser software supports you perfectly in handling your engraving and cutting jobs. It is equipped with a variety of useful and intelligent features that make your work easier, such as the bi-directional communication between PC and laser, the Job Time Calculator or the position marker.

### 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.

### 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!

### Focusing lens

The Speedy 100 CO<sub>2</sub> laser comes with a 2 inch lens as a standard. The Speedy 100 fiber is equipped with a 3.2 inch lens.

## 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



A high-quality engraving depends on several factors. The perfect function of the axis system is most important. The InPack-Technology™, with its closed design, protects the axis. Consequently guide components are perfectly protected against dust. This guarantees years of trouble-free processing even under intensive use. Additional costs for wear parts that have to be exchanged regularly with machines from other manufacturers are thus eliminated.

## → 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.



### Additional lenses

For perfect CO<sub>2</sub> engraving and cutting results, lenses with different focal lengths may be used, depending on the application.  
(1.5 inch, 2.5 inch CO<sub>2</sub> 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 CO<sub>2</sub>, 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.

# → Technical details

	Speedy 100	Speedy 100 fiber	Speedy 100 flexx
<b>Overall dimensions (W x D x H):</b>	982 x 780 x 457 mm	982 x 780 x 457 mm	982 x 780 x 975 mm
<b>Working area:</b>	610 x 305 mm	610 x 305 mm	610 x 305 mm
<b>Max. height of workpiece:</b>	170 mm	125 mm	170 mm
<b>Max. engraving speed:</b>	180 cm/sec. standard 280 cm/sec. performance upgrade	200 cm/sec.	CO <sub>2</sub> : 280 cm/sec. fiber: 200 cm/sec.
<b>Upgrade possibilities:</b>	Software, performance, laser power	Laser power	Laser power
<b>Laser design:</b>	CO <sub>2</sub> laser: 12-60 watts	Pulsed fiber laser 10, 20, 30 watts	CO <sub>2</sub> : 40-60 watts fiber: 10-30 watts
<b>Mechanical design:</b>	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 CO<sub>2</sub> laser



## Application examples flexx



## Application examples fiber laser



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