

trotec

For demanding first-time users

Speedy 100



Suitable for engraving and cutting

Working area 610 x 305 mm

Highest max. engraving speed 280 cm/s

Available with CO2 or both sources in one machine.

JobControl Expert software for every model

A compact solution for laser engraving and cutting:

The Speedy 100 is an engraver with a completely revolutionary concept, allowing you to upgrade the machine at the moment you need to increase production productivity. The decisive components are the CeramiCore laser tube, mechanics with 2nd generation InPack technology and carbon-free servomotors, as well as all new electronics. Speedy 100 is intended for small and medium-sized companies that opt for modern technology. It will enable them to expand their production possibilities with, for example, rubber stamps, laser marking of advertising items or production of orientation systems, laser cutting of plastics, production of labels for industry...

OptiMotion

The Speedy 100 impresses with its impressive cutting speed. Thanks to OptiMotion, the new innovative real-time motion planning, cutting performance and acceleration are maximized with respect to the cutting geometry. This guarantees perfect curve quality and top speed.



→ JobControl® software

Control software enabling easy work with tasks. It is equipped with a number of useful and smart functions that make working with the laser very easy and fast for the user. Some functions include, for example, two-way communication between the laser and the computer, the calculation of the processing time or the display of the position of the laser head

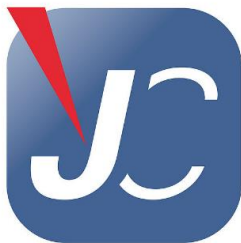
Autofocus

Electro-optical autofocus with light barriers. Maximum operator comfort thanks to the correct focus of the laser beam on the product surface.

Air Assist

Equipment for blowing the place of engraving and cutting. It mainly helps to prevent the formation of a flame and ensure a clean cut or engraving. It is controlled from the JobControl control program.

Standard



JobControl® Cut

With JobControl Cut, cutting geometries can be easily processed and optimized without having to change the original geometry again in the graphics program. A separate license key is required for use.



Rotary attachment

For engraving cylindrical objects such as wine bottles, glasses and other similar objects. Objects up to a length of 350 mm and a diameter of 76 mm can be clamped.

Optional

InPack-Technology™

- Maximum protection against dust
- The highest quality components
- Linear guide rails
- Long life - less maintenance



High quality engraving and cutting depends on several factors. The most important thing is the perfect function of laser mechanics. InPack-Technology™ is the designation for a closed construction protecting moving axes. As a result, the conductive components are perfectly protected against dust. This ensures years of trouble-free and intensive work. Additional costs for worn parts, which must be regularly replaced in devices from other manufacturers are thus excluded.

Trotec flexx function

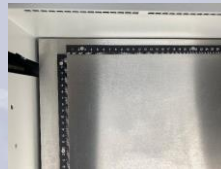


Two materials, one process step: Thanks to the flexx function, products with mixed materials can be easily marked and engraved in one job.



Ferromagnetic working table

The basic Speedy 100 working table is made of ferromagnets. This means easy placement of thin materials such as paper or films using magnets.



Honeycomb table

The structure of the cutting table reduces back reflections from the work table to a minimum and brings perfect cutting results.



Supporting frame with storage bin

It helps keep the area around the laser machine organized and offers convenient storage for rotary engraving equipment, laser cutting table or various laser consumables such as laminates or laser rubber.

Additional lenses

Different applications require different lenses to achieve the best possible result. The Speedy 100 can be equipped with lenses with focal lengths of 1.5, 2.0, 2.5, 2.85, 3.2 or 5.0 inches.

Exhaust system

The extraction system is absolutely necessary for the optimal function of the laser. Trotec offers different types of Atmos exhausts depending on the application used. The integrated electronics enable the control of the extractor using the JobControl program.



Standard

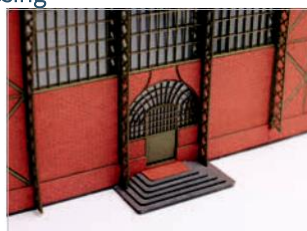
Optional

Technical data

	Speedy 100C	Speedy 100R	Speedy 100 flexx
Overall dimensions (W x D x H):	1018 x 784 x 467 mm	1018 x 784 x 467 mm	1018 x 784 x 1004 mm
Working area:	610 x 305 mm	610 x 305 mm	610 x 305 mm
Max. height of workpiece:	170 mm	170 mm	170 mm
Max. engraving speed:	280 cm/s	180 cm/s	280 cm/s CO ₂ and fiber
Max. acceleration:	40 m/s ²	30 m/s ²	40 m/s ²
Laser power:	CO ₂ laser: 30, 45, 60 W	CO ₂ laser: 30, 45, 60 W	CO ₂ : 60 W fiber laser: 20-30 W
Mechanical design:	Fully enclosed design with double safety interlock system, class 2 laser CE certificate, maintenance-free DC servomotors InPack-Technology		



Examples of CO₂ laser processing



Examples of applications with the Speedy 100 flexx laser



Examples of fiber laser application



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