trotec
laser. marking cutting engraving

The New
Speedy 400

Maximize your profitability with the fastest, most powerful mid-size laser engraver on the market

Productivity
by Design

Engraving speed

The fastest laser engraving machine on the market just got faster. With a maximum engraving speed of 170 in./sec and acceleration of 5g, the new Speedy 400 is the fastest and most productive laser engraver in the industry – exceeding its own record speed and outperforming even the other Speedy family members. Your advantages: high-speed processing, higher throughput, and faster return on investment.

OptiMotion™

Our innovative OptiMotion™ motion planning system calculates the cutting speed and acceleration based on the geometry in real time so that cutting speed and acceleration are maximized in regard to the geometries. This optimizes cutting quality and speed, providing perfect curve quality and maximum efficiency.

Enhanced InPack Technology™

InPack Technology™ is a rugged system design where all sensitive electronic components are enclosed within a rigid, durable enclosure that protects them from dirt and dust. Your advantages: Improved processing results, longer service life, and lower maintenance and operating costs.

Flexibility
by Design

Patented Flexx Technology™

Our patened Flexx Technology™ combines a fiber and CO_2 laser source in one system, allowing you to process a wide variety of different materials in one job. The benefits include more capabilities, faster processing, and more opportunities to develop new business.

MOPA Fiber Laser option

Adding a MOPA fiber laser source is now an option on the Speedy 400. MOPA laser technology broadens your material processing capabilities by improving the process of marking metals and plastics, allowing you to produce higher-contrast results, bright white markings on dark plastic, and providing more options for marking metals.

Usability
by Design

CO_2 laser power up to 250 watts

With the new Speedy 400, the maximum available CO_2 laser power can be doubled to 250 Watts, which enhances the cutting speed and makes it possible to cut thicker materials—increasing productivity and flexibility.

Pass-through

With the pass-through option available on the new Speedy 400, you can process very long workpieces that are larger than the machine itself, such as doors or wooden wall panels— giving you new opportunities to work with a wider range of applications. (Note: Systems with pass-through option are classified as Laser Safety Class 4, meaning personal protective gear is required. Systems without this option are considered Laser Safety Class 2.)

Multifunctional table concept

You can configure the new Speedy 400 exactly according to your individual needs. Our multifunctional table concept allows for the simple and fast exchange of different tables to create the optimal conditions for every application.

Ergonomic and easy loading

The new ergonomic front lid handling provides the operator with maximum comfort and convenience. The lid slides up and down, which eliminates the physical strain of bending for opening or closing the front lid.

Dynamic status display

With the new LED status and progress bar, the laser operation mode and job progress is displayed directly at the machine. In addition to other information, you can check at a glance if the laser is turned on, whether the job has finished or stopped, or which laser source is activated.

Sonar Technology™

Our patented Sonar Technology™, a standard feature on the new Speedy 400, is currently the most intuitive focusing method for laser engravers at any position of the working table. It automatically determines the focus point, and the work table moves to the correct focus position, efficiently providing you with the highest focusing accuracy

JobControl®

Our JobControl® laser workflow software assists you perfectly during laser engraving and laser cutting. It combines numerous features and intuitive usability into a dashboard that enables both beginners and experienced users to get started immediately and achieve high quality professional laser results.

Technical Data
New Speedy 400

	CO_2	Flexx
Overall dimensions (W x D[1] x H)	56 x 37.5 x 41 in.	56 x 37.5 x 41 in.
Working area	40 x 24 in.	40 x 24 in.
Max. height[2] of workpiece	12 in. with 2.0 inch CO_2 lens	12 in. with 2.85 inch flexx lens
Max. processing speed CO_2 and fiber laser	170 in/sec.	170 in/sec.
Acceleration	5g	5 g
Laser power	60 - 250 watts	CO_2: 60 - 250 watts Fiber: 20 - 50 watts MOPA Fiber: 20 watts
Weight[2]	approx. 650 - 685 lb	approx. 740 - 772 kg
Multifunctional table concept	●	●
Ferromagnetic engraving table	○	○
Aluminum cutting grid table	●	●
Acrylic cutting grid table	○	○
Aluminum slat cutting table	○	○
Acrylic slat cutting table	○	○
Vacuum table	○	○
Honeycomb cutting table	○	○
Lenses		
1.5 inch CO_2	○	○
2.0 inch CO_2	●	○
2.0 inch CO_2 Clearance Lens	○	○
2.5 inch CO_2	○	○
2.85 inch flexx		●
3.2 inch fiber		○
4.0 inch CO_2	○	○
4.0 inch CO_2 Clearance Lens	○	○
5.0 inch fiber		○
InPack Technology™	●	●
JobControl™ laser software	●	●
JobControl® Vision	○	○
JobControl® Cut	○	○
Sonar Technology™	●	●
Rotary engraving attachment	○	○
Pass-through	●	●
Gas-kit light	○	○
Trolley base	●	●
OptiMotion™	●	●
Fiber laser MOPA		○
Dynamic status display	●	●
Screw feet	○	○

● Standard ○ Optional

1 without exhaust hose connector and gas-kit light on the back of the machine, and with opened lid
2 depending on laser power

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