

# **The New Speedy 400**



**Laser Engraver for Maximum Profitability.  
1016 x 610 mm with up to 250 watts laser power.**

# Productivity by Design

## Engraving speed

The fastest laser engraving machine on the market just got even faster. With a maximum engraving speed of 4.2 m/sec. and acceleration of 5 g, 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™

Thanks to OptiMotion™ (patent pending), our innovative new real-time motion planning, cutting speed and acceleration are maximized in regard to the geometries. This guarantees perfect curve quality and max. throughput. Your advantages: less efforts and optimized cutting performance in terms of quality and speed.

## Enhanced InPack Technology™

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



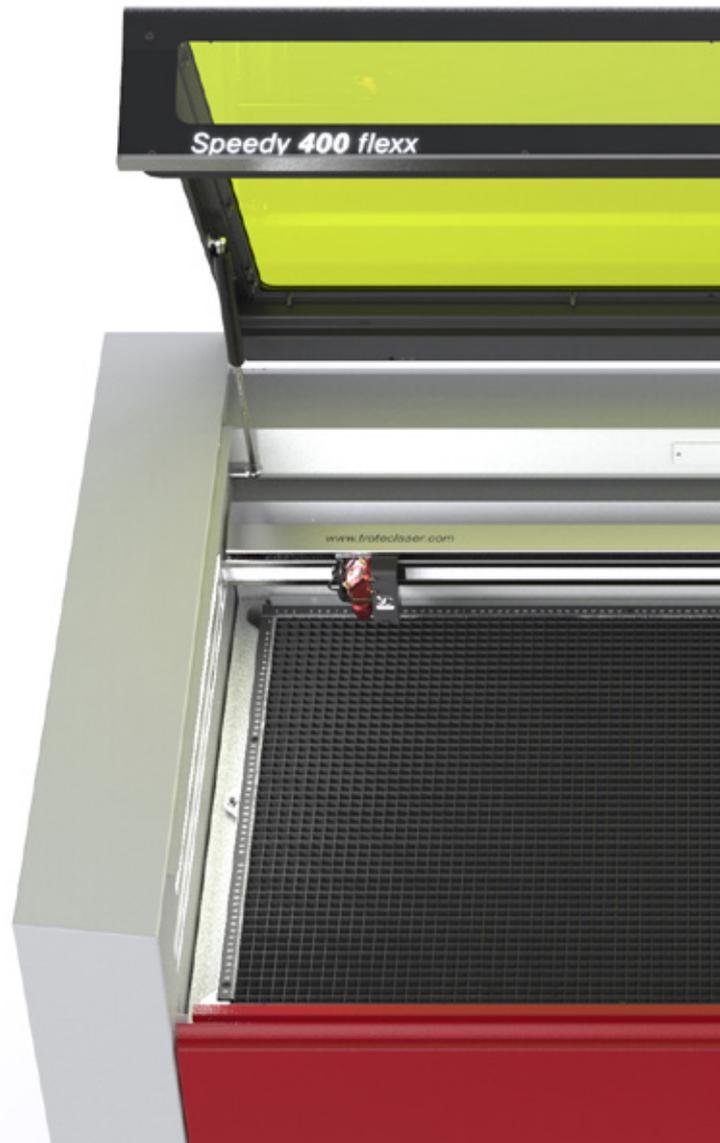
# Flexibility by Design

## Patented Flexx Technology™

Our patented Flexx Technology™ provides you with two laser sources in one system, allowing you to process a wide variety of different materials in one job. Your advantages: more capabilities, faster processing, and more opportunities to develop new business.

## Fiber Laser MOPA

The MOPA laser technology broadens your material processing capabilities by improving the process of marking metals and plastics. It allows you to mark natural and bright colored aluminum to anthracite or conduct a faster deep engraving. Your advantages: higher contrast processing results, more business opportunities.



# Usability by Design

## **CO<sub>2</sub> laser power up to 250 watts**

With the new Speedy 400, the maximum available CO<sub>2</sub> laser power can be doubled to 250 Watts, which enhances the cutting speed and makes it possible to cut thicker materials. Your advantages: higher productivity and flexibility, and more profit.

## **Pass-through**

Process very long workpieces that are larger than the machine itself, such as doors or wooden wall panels. Your advantage: full flexibility in the application.

## **Multifunctional table concept**

Configure the new Speedy 400 exactly according to your individual needs. Simple and fast exchange of the respective tables creates the optimal conditions for every application. Your advantage: optimal table for the best application results.

## **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. Your advantages: higher comfort, easy access.

## **Dynamic status display**

With the new LED status and progress bar, the laser operation mode and job progress can be seen directly at the machine. Besides other information, you can check at a glance, if the laser is turned on, the job has been finished or stopped or which laser source is activated. Your advantages: easy access to information, money and time savings, reduction of unnecessary down time.

## **Sonar Technology™**

The new standard feature Sonar Technology™ (patented) 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. Your advantages: highest focusing accuracy, most efficient, easiest and fastest focus mode

## **JobControl®**

The laser software JobControl® assists you perfectly during laser engraving and laser cutting. It combines numerous success-relevant 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. Your advantages: ease of use, fast handling of laser jobs and maximum efficiency.



# Technical Data

## New Speedy 400



	CO <sub>2</sub>	Flexx
Overall dimensions (W x D <sup>1</sup> x H)	1428 x 952 x 1050 mm	1428 x 952 x 1050 mm
Working area	1016 x 610 mm	1016 x 610 mm
Max. height <sup>2</sup> of workpiece	305 mm with 2.0 inch CO <sub>2</sub> lens	283 mm with 2.85 inch flexx lens
Max. processing speed CO <sub>2</sub> and fiber laser	4.2 m/sec.	4.2 m/sec.
Acceleration	5g	5 g
Laser power	60 - 250 watts	CO <sub>2</sub> : 60 - 250 watts Fiber: 20 - 50 watts MOPA Fiber: 20 watts
Weight <sup>2</sup>	approx. 295 - 310 kg	approx. 335 - 350 kg
<b>Multifunctional table concept</b>	●	●
Ferromagnetic engraving table	○	○
Aluminum cutting grid table	●	●
Acrylic cutting grid table	○	○
Aluminum slat cutting table	○	○
Acrylic slat cutting table	○	○
Vacuum table	○	○
Honeycomb cutting table	○	○
<b>Lenses</b>		
1.5 inch CO <sub>2</sub>	○	○
2.0 inch CO <sub>2</sub>	●	○
2.0 inch CO <sub>2</sub> Clearance Lens	○	○
2.5 inch CO <sub>2</sub>	○	○
2.85 inch flexx		●
3.2 inch fiber		○
4.0 inch CO <sub>2</sub>	○	○
4.0 inch CO <sub>2</sub> 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