

## → The Speedy flexx Series

A COMPANY OF THE **trotec** GROUP

**trotec**<sup>®</sup>  
laser. marking cutting engraving

	Speedy 100 flexx	Speedy 300 flexx	Speedy 400 flexx
Overall dimensions (W x D x H):	982 x 780 x 975 mm	1090 x 890 x 1060 mm	1400 x 950 x 1070 mm
Working area:	610 x 305 mm	726 x 432 mm	1000 x 610 mm
Max. height of workpiece:	170 mm	200 mm	305 mm
Max. processing speed:	CO <sub>2</sub> Laser: 280 cm / sec fiber laser: 200 cm / sec acceleration: 4g	CO <sub>2</sub> laser: 355 cm / sec Faserlaser: 200 cm / sec acceleration: 5g	CO <sub>2</sub> laser: 355 cm / sec fiber laser: 200 cm / sec acceleration: 4g
Processing tables	flexx lens: 2,85" (standard) CO <sub>2</sub> lenses: 1,5" , 2,0" , 2,5" fiber lenses: 3,2"	flexx lens: 2,85" (standard) CO <sub>2</sub> lenses: 1,5" , 2,0" , 2,5" , 4,0" fiber lenses: 3,2" , 5,0"	
Bearbeitungstische:	Ferromagnetic processing table: (standard), honeycomb cutting table	Ferromagnetic processing table: (standard), honeycomb cutting table, vacuum table	Ferromagnetic processing table, Cutting, honeycomb cutting or vacuum table as well as black anodized aluminum grid-table (standard: 1 table of choice)
Accuracy:	Addressable accuracy: 5 μm, Static repeat accuracy: < ±15 μm		
Mechanical design:	Fully enclosed chassis with double safety interlock system laser safety class 2, CE compliant, maintenance-free, brushless DC servo motors InPack-Technology™		
Laser features and power levels:	Sealed-off CO <sub>2</sub> Laser with 40 – 60 Watts Fiber laser with 10, 20 or 30 Watts	Sealed-off CO <sub>2</sub> Laser with 25 - 120 Watts Fiber laser with 10, 20, 30 or 50 Watts	Sealed-off CO <sub>2</sub> Laser with 40 - 120 Watts Fiber laser with 10, 20, 30 or 50 Watts
Weight:	approx. 80 kg (depending on laser power)	approx. 203 kg (depending on laser power)	approx. 350 kg (depending on laser power)

### → Trotec Laser – designed and built in Austria.

Send us your materials and samples: our application technicians will help you to find the best laser system for you.

#### Sample Applications



### Maximum Flexibility

## → Speedy flexx



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setting  
new  
standards



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One laser system, two laser sources.  
Endless possibilities.  
CO<sub>2</sub> and fiber laser in one.

A new level of flexibility:

## → Speedy flexx

The Speedy flexx series is unique. For the first time a CO<sub>2</sub> and a fiber laser source are integrated into a Speedy. This allows customers to perform endless applications. The CO<sub>2</sub> laser source is ideally suited for engraving and cutting plastics, wood, rubber, leather and many other materials. The fiber laser is the right tool for marking metals and plastics. Depending on the material, the two laser sources are activated alternately. The patented flexx function ensures maximum flexibility in the applications.



Every Speedy is „ready for flexx“. This means that every laser can be equipped with an additional laser source at a later stage and you are well prepared for the future. Upgrade whenever you are ready.

## → Endless Possibilities

Flexibility. Versatility. Speed. As a laser service provider you will score highly with these qualities and be able to secure the loyalty of your customers. With machines from the Speedy flexx series you can process an endless variety of materials and fulfill practically every order.

No matter which client request: whether it is engraving wood, marking metal or cutting plastics - with a Speedy flexx you are prepared for the future.



Highlights

### → CO<sub>2</sub> and Fiber Laser

The machines of the Speedy flexx series are equipped with both a CO<sub>2</sub> and a fiber laser. Choose a CO<sub>2</sub> laser with a power level from 25 to 120 Watts and combine it with a 10, 20, 30 or 50 Watts fiber laser of your choice (see page 4 for details about configurations). Use both laser sources in a single job without the need to manually change the laser source, lens or focus. The patented JobControl® laser software makes it possible: simply assign the desired laser source to each color of the graphic.

### Flexx Lens

Use the 2.85 inch flexx lens for finest detail engravings and markings with maximum quality. Suited for both wavelengths - fiber and CO<sub>2</sub>.

### Flexx Function

Thanks to the flexx function developed by Trotec two laser sources can operate in one job. In other words only a single process has to be initiated to process two materials. The CO<sub>2</sub> laser for example can be used to engrave leather goods, while the fiber laser can mark metal parts. Likewise you can control both laser sources independently of each other. This function is patented.

### Flexx Upgrade

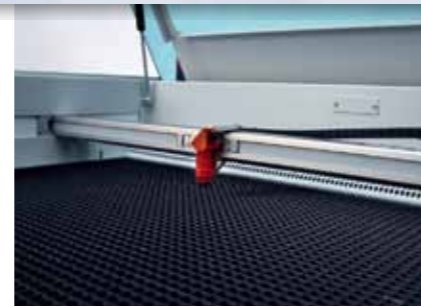
Every Speedy can be equipped with an additional laser source. The Speedy 100, Speedy 300 or Speedy 400, either as CO<sub>2</sub> or fiber laser, can be upgraded to a Speedy flexx at any time. You decide when!



The InPack Technology™ protects the axis against dust and dirt



Trotec Laser Remote: use the iOS App to control your laser with only a tap



A number of different processing tables are available for the Speedy family

## → Materials Overview

With the machines from the Speedy flexx series you can process a wide range of materials. A selection:

	Material	CO <sub>2</sub>	Fiber	
Non-metals	Wood	•		
	Glass	•		
	Paper	•		
	Textiles	•		
	Leather	•		
	Stone	•		
	Food	•		
	Ceramics		•	
	Plastics	ABS, PC, PA, PMMA, ...	•	•
		Rubber	•	•
Engravable Plastics		•	•	
Foam		•	•	
Metal	Aluminum		•	
	Anodized aluminum	•	•	
	Brass		•	
	Carbide		•	
	Chrome		•	
	Copper		•	
	Precious metals (gold, silver, platinum)		•	
	High speed steel		•	
	Stainless steel		•	
	Titanium		•	

The above mentioned metals can also be processed with a CO<sub>2</sub> laser. This requires an additional step and the use of consumables, such as laser marking ink.

Speedy Familie

### → A strong family

As part of the Speedy family the Speedy flexx offers the family's known advantages. Speedy stands for highest quality components, precision, innovative design and highest productivity. The maximum processing speed of up to 355 cm / second and an acceleration of 5 g make the Speedy family the fastest laser engraver series on the market. A large variety of options, such as table designs, lenses, a rotary engraving device or a camera system allow to configure the Speedy to suit your applications precisely.

### JobControl®

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 Job Time Calculator, the position marker or the bi-directional communication between PC and laser.

### InPack Technology™

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.