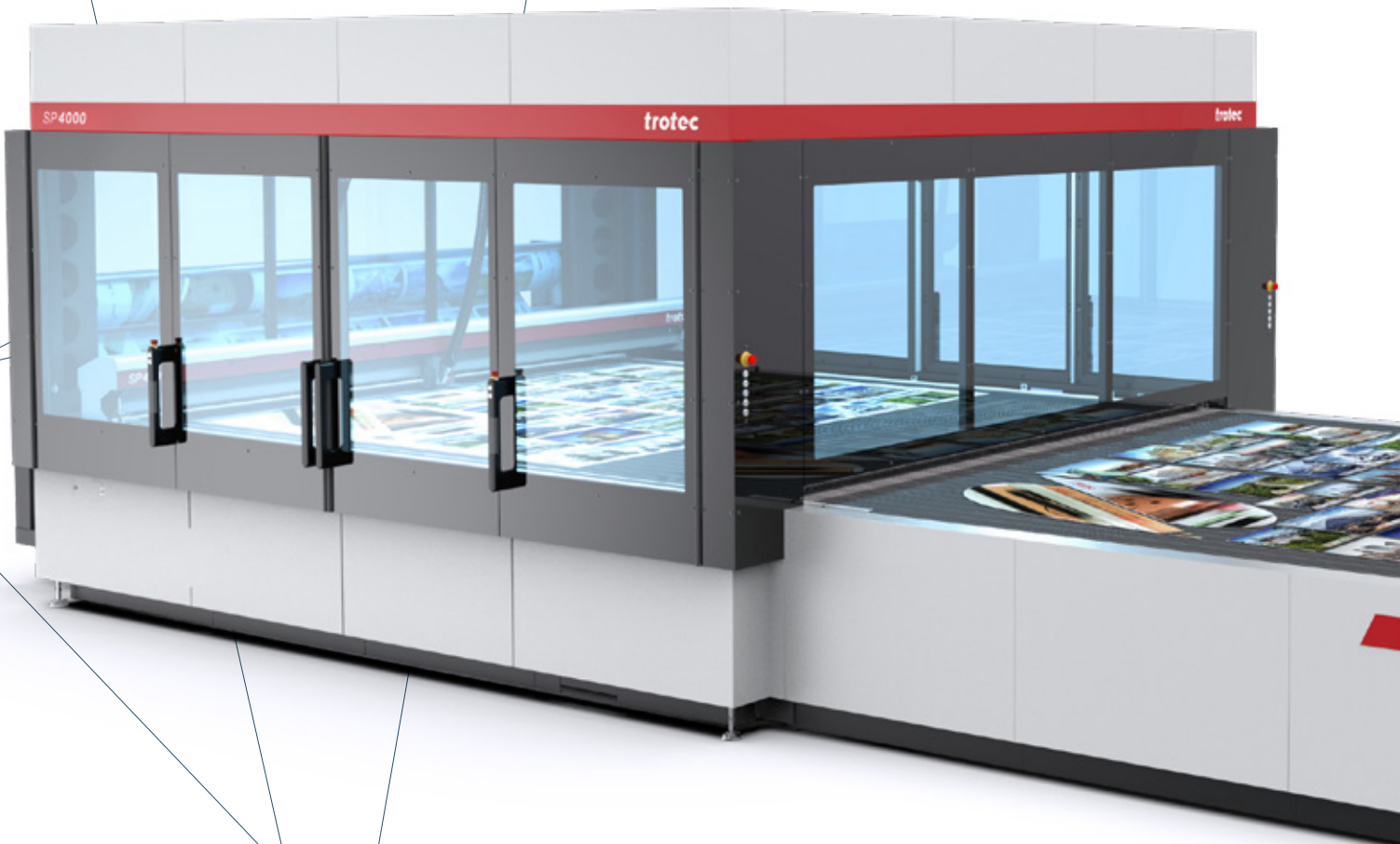


**trotec**

# SP4000

Individualized laser cutting of soft signage and textiles



- Active cutting area 320 x 320 cm
- Up to 250 m<sup>2</sup>/h throughput
- 24/7 operation
- Smooth material transport
- Sealed cutting edge without rework

/ SETTING NEW STANDARDS

# Clean and cost-saving laser cutting of large format soft signage applications

Printed beach flags, backlit displays made of textiles, decorative elements for retail stores such as flags and banners - soft signage applications find a variety of uses. Laser technology opens up flexibility in cutting shapes and textile material types. Open up new fields of application with the right machine for cutting soft signage and textiles.



## Increased productivity

The SP4000 large-format laser cutter enables fast and precise processing of large-format textiles. The heart of the 350 cm wide laser cutter is the "flying optics". The overhead camera and the on-the-fly cutting process ensure fast and reliable scanning and cutting of the design. With a laser power of up to 400 watts, cutting can be done 4x as fast as with comparable systems. This enables the cost-effective production of individualized textiles in high quantities. This efficient and digital cutting process of the SP4000 guarantees the highest productivity.

## Reliable production

The design of the SP4000, which is specially designed for roll goods and the table system optimized for textile applications ensure the safe and automatic infeed and outfeed of your textiles. removal of your textiles. The air permeability air permeability and robustness, the cutting and transport belt ensures excellent suction and thus a clean, smudge-free laser cut. clean, smoke-free laser cut. The enclosure of the SP4000 ensures consistent light conditions and thus reliable register mark for reliable registration mark detection.

## Simple and safe integration.

Thanks to laser class 2, the SP4000 can be easily and flexibly integrated into the production environment. Additional safety precautions such as extra space are not necessary. The automatic roll unwinder and optional unloading table ensure easy material flow. While the laser is working on the processing surface, the finished cut textiles can be removed from the subsequent removal table. The laser is therefore permanently in operation. The laser software integrates seamlessly into your Print&Cut workflow.

Hinged doors for easy access to the cutting surface

Fast and reliable detection of registration marks thanks to the overhead camera

Automatic roll feed with edge control and tension control

Reliable laser safety and uniform illumination conditions for overhead camera



Optional removal table for parallel removal of finished textiles during the cutting process.

Air-permeable and robust conveyor grid belt for excellent suction and smudge-free laser cutting.

Easily accessible cutting and removal surface thanks to ergonomic design



# Technical Data: SP4000

Dimensions (W x D x H)	tbd
Working are (W x D)	3250 x 3210 mm
Loading area	3500 x ∞ mm
Working table	Stainless steel bar mesh belt, motor driven
Laser system	Sealed-off CO <sub>2</sub> laser
Laser power	100, 200 and 400 W
Camera system	Combined registration mark recognition with overhead and head camera
Roll unwinder	Electrically driven shaft unwinder with electronic edge control and dancer control for roll material with 3" cardboard core
Safety	CE compliant, Laser class 2



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## About Trotec

Trotec is a leading international manufacturer of laser machines. The company's extensive line of first-class laser engravers, cutters and markers, its vast portfolio of engraving materials coupled with its unrivaled service, have made Trotec the technology leader in the industry. Trotec was formed in 1997 from a research branch of Trodat – the world's largest manufacturer of rubber stamps – and since then, Trotec has been setting new standards in the field of laser technology. With a clear focus on the needs of its customers Trotec strictly aligns itself to make the laser users' work simpler, faster and more profitable. The field staff is qualified and continuously trained within the in-house Academy. Trotec has 17 sales subsidiaries worldwide. Trotec's machines are currently in use in over 90 countries around the globe.

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