

**trotec**

# Q500

***All a laser cutter needs***



- Working area 1300 x 900 mm
- 60 – 120 watt CO<sub>2</sub> DC, CeramiCore® RF laser, or both
- Fine detailed engravings & 8x faster cutting – acrylic, wood, textiles, paper

Productive laser cutting and fine engraving for signs, displays, arts and crafts, models and more.



### **Top-speed laser cutting with OptiMotion™**

Highest cutting quality at maximum speed – that's what OptiMotion™ motion control delivers – the smart Trotec motion planning system. Cutting speed and acceleration are automatically calculated and optimised in real-time based on the geometry. The result: Time savings when creating laser files and determining parameters, high curve quality and maximum throughput. The Q500 is up to eight times faster when cutting than comparable laser machines on the market.

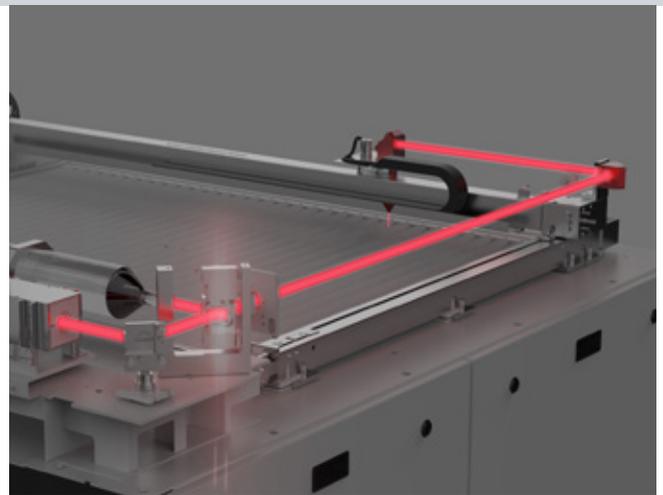
### **Maximum productivity**

The Q500 is equipped with Trotec core technology that has been tried and tested for decades. These trademarks support you with productive laser processing:

**The Q500 achieves the finest engravings** as small as 4pt font size at up to 2m/s, even with tight curves and defined details. The Trotec drive concept delivers the speed and ensures it is a working reality, not just a data sheet value under test conditions.

### **Revolutionary Dual-Source Technology**

The Q500 is equipped with either a powerful DC CO<sub>2</sub> laser for fast cutting, a CeramiCore® RF CO<sub>2</sub> laser for high quality engraving or both. The innovative and patented CeramiCore® laser source concept stands for reliability, durability and best quality engraving. The resonator of the laser source, where the laser beam is generated, is 100% ceramic. Something unprecedented for laser cutters and laser engraving machines. One investment - two tools.



### **Efficient and intuitive work**

JobControl® laser software was developed to be easy to use and highly efficient. Whether you are a beginner or an experienced laser user, Trotec JobControl® facilitates your daily work with the laser and supports you with perfect results. Work in your usual graphics program and simply send your jobs to the laser using a printer driver. As well as being easy to use, JobControl® offers a variety of intelligent options, including the JobTime Calculator, bi-directional communication, markers, vector sorting, job preview and many more. The JobControl® Vision camera system makes it easy to cut printed materials with a perfect fit.



Acrylic



Wood



Paper and Card



Textiles

**The red Trotec laser head:** Enables fast yet precise laser processing. The ultra-compact, lightweight design integrates the most important functions in the smallest of spaces. Austrian Engineering at its finest.

**InPack Technology™:** Protects all sensitive components of the laser engraving machine such as the lens, mirror or motor from dust, saving you time and money.

**JobControl® laser software:** Intuitive workflow with intelligent functions

**JobControl Vision camera system** for Print & Cut applications

**CeramiCore® laser sources:** Best engraving quality and durability

Our robust mechanical and reliable electronic design has been tried and tested in thousands of laser systems. We are committed to strictly controlled production processes and European manufacturing standards.

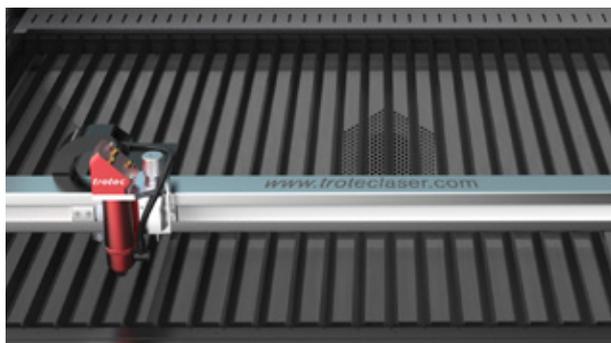
## **Trotec Worldwide Service & Training Network**



### **Your Trotec Advantages**

- Training
- Advice
- Materials
- Solutions
- Quality
- Service

Wherever you are in the world– we are near you. With more than 60 Trotec operated locations in 17 countries, we have the largest service network in the industry. Furthermore, our distributor network includes over 110 partner companies worldwide. All of them meet the Trotec service and knowledge requirements.

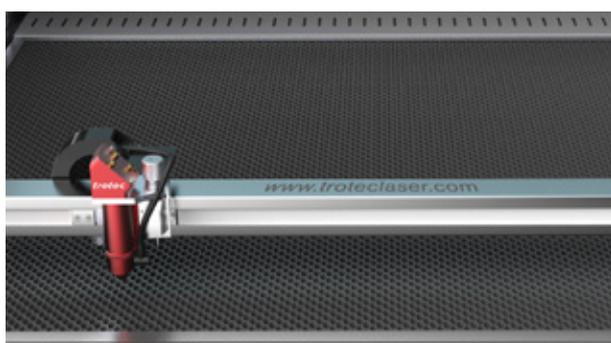
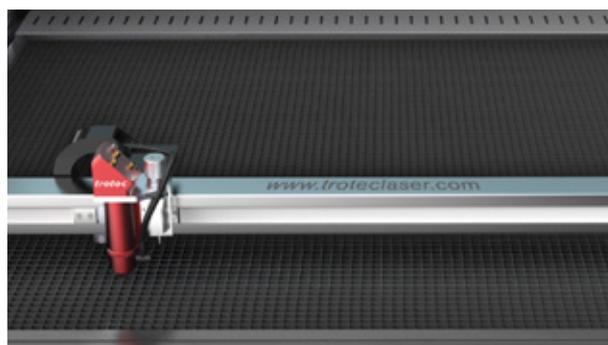


### **Aluminium Slat Cutting Table\***

This table is perfectly suited for laser cutting thicker materials (8 mm thickness) and for parts wider than 100 mm. Lamellas can be individually placed, allowing the table to be adjusted to individual applications.

### **Aluminium Cutting Grid Table\***

This cutting table is the perfect solution for all general cutting tasks. It is suitable for cutting tasks with parts smaller than 100 mm, as these remain in a flat position post-processing.



### **Honeycomb Cutting Table\***

The honeycomb tabletop is especially suitable for applications that require minimal back reflections and when optimal processing results require materials to be placed on a consistently flat and level surface.

\*Basic configuration: One table of your choice is supplied (additional tables are optional)

	<b>Q500</b>	<b>Q500D</b>
Working area	1300 x 900 mm	
Laser power	Sealed-off CO <sub>2</sub> DC 60 / 100 / 120 W or Sealed-off CO <sub>2</sub> 60W RF CeramiCore®	Sealed-off CO <sub>2</sub> DC 60 / 100 / 120 W and Sealed-off CO <sub>2</sub> 60W RF CeramiCore®
Cooling system	water-cooled	
Max. processing speed	2 m/s	
Laser safety	CDRH laser safety, laser class 2, CE compliant, double interlock safety system	
Machine size (W x D x H)	1870 mm x 1655 mm x 1110 mm	
Weight	approx. 570 kg	
Power consumption laser machine	100V – 250V 1100 – 1500W	
Power consumption chiller	900 W	1800 W