

rayjet

r500

Simply Laser Cutting



- Working Area 1300 x 900 mm
- 60 – 120 Watt CO₂ DC, CeramiCore®
RF Lasers or both
- Cutting and Engraving of Acrylics up to 15 mm,
Wood up to 15 mm, Textiles, Paper, and many more

Laser Cutting for Signs, Gifts, Toys, Decoration, Models, Prototypes or Fashion



Largest Inside View and Ergonomic Design

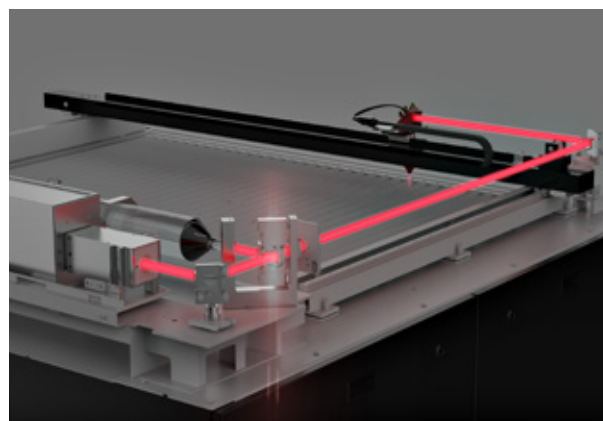
The extraordinarily large view of the inside of the laser working area makes working with the R500 a pleasure. The large viewing pane enables you to see your job progress at a glance, even from a distance. The ergonomic and open design of the R500 makes positioning jobs a simple task and guarantees efficient user operation.

Austrian Engineering & Quality Standards

The R500 is developed by Trotec. We comply to stringent production procedures and European manufacturing standards. The R500 laser cutter is equipped with high quality components: a Trotec laser system controller, CeramiCore® laser sources, industrial grade power supplies and linear guides. The robust mechanical and reliable electronic design is proven in thousands of Trotec laser machines.

Revolutionary Dual Source Technology

The R500 comes with a high-powered DC CO₂ laser for fast cutting jobs, a CeramiCore® RF CO₂ Laser for high quality engraving or both. The innovative and patented CeramiCore® laser source concept stands for reliability, longevity and superior engraving quality. The resonator body where the laser radiation is generated is 100% ceramic. This is unparalleled for laser cutters and engravers. One Investment – Two Tools.



Powerful Production Software

Rayjet® Manager is based on Trotec's industry leading software concept. With the Rayjet® Manager software, files are sent from all graphics and CAD-programs directly to the laser cutter, compatibility guaranteed. With both the software and the controller developed by Trotec, the motion and laser processes are perfectly in-tune for maximising the system's performance. Our „one click setup“ enables you to be up and running within minutes. The built-in material database makes you efficient from the first day. Delivering the shortest possible time from unboxing to making money.

Processable materials



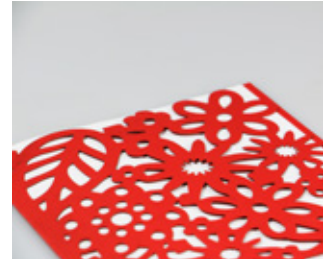
Signage



Wood



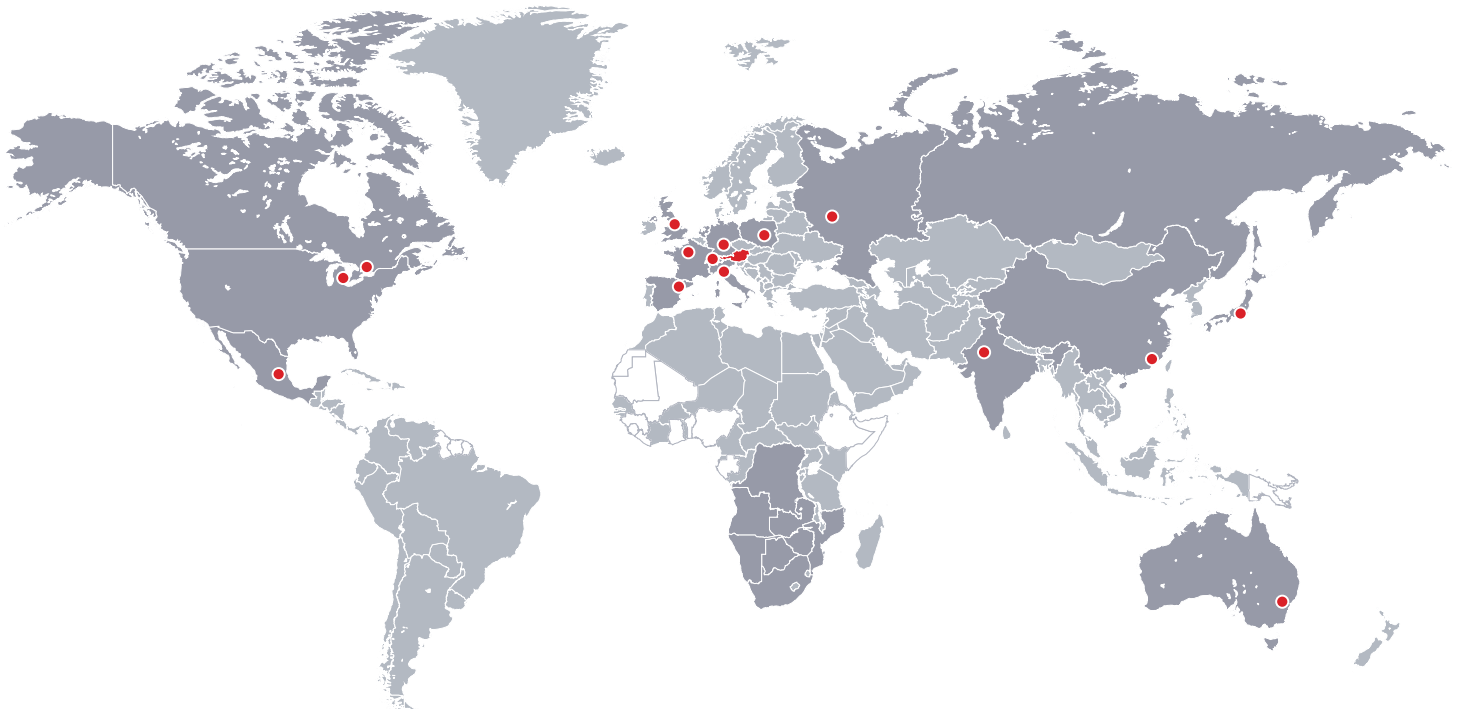
Textiles



Paper

Highest Safety Standards

Every laser operator is safe. This is our standard: Double interlock system, safety kill-switch and CE certified with all current regulations, directives and harmonized standards including EN ISO12100 machine safety, EN 60204-1 machine safety – electrical equipment, EN 60825-1/2007, EN 60825-4/2006, EN 60825-14/2006 safety of laser equipment, EN 55022/2008, EN 55024/2003 electromagnetic compatibility.



Your Gateway to Trotec

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

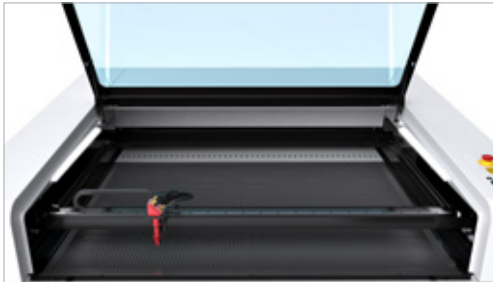
Trotec Worldwide Service & Training Network

Wherever in the world you are – 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 counts over 110 partner companies worldwide. All of them meet the Trotec service and knowledge requirements.



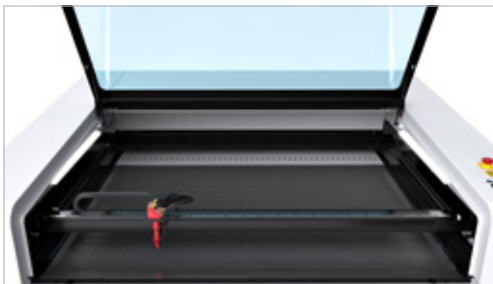
Aluminum Slat Cutting Table*

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



Aluminum Cutting Grid Table*

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



Honeycomb Cutting Table*

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

*Basis configuration: one table of choice (additional tables optional)

Laser Technical Specifications

	R500	R500D
Working area	1300 x 900 mm	
Laser power	Sealed CO ₂ 100 W DC or Sealed CO ₂ 60 W DC	Sealed CO ₂ 100 W DC and sealed CO ₂ 60 W RF CeramiCore™
Cooling system	water-cooled	
Max. processing speed	1 m/sec.	
Laser safety	CDRH laser safety, laser class 2, CE compliant, double interlock safety system	
Machine size (W x D x H)	1870 x 1700 x 1110 mm	
Weight	approx. 340 kg	
Power consumption laser machine	220 - 240 V / 3000 W	
Power consumption chiller	2500 W	