

# rayjet

## Rayjet 50

Compact Laser Engraver for  
Laser Starters & Small Businesses



- Working Area 457 x 305 mm
- 30 Watt CO<sub>2</sub> laser
- Engraving and cutting of wood, paper, rubber, acrylic and many more
- Engineered and built by Trotec Laser



The Rayjet laser line, invented by Trotec, offers industrial grade and cost-effective laser solutions for businesses, schools, and start-ups. The user friendly laser software is easy to learn, allowing first time laser users to quickly process many different materials. The Rayjet engraver can engrave and cut materials like wood, paper, textiles, plastics, and many more. Being easy-to use and very reliable makes the Rayjet an ideal machine for starting an engraving or cutting business.

## Create More – Less Effort, More Profit

Start engraving and cutting immediately with the Rayjet laser, thanks to its intuitive software and the user-friendly system. Make higher profits by turning your creative ideas into reality, due to the almost infinite number of applications.

- Easy to generate business with: Endless applications
- Easy Installation: calibrated and ready to use!  
Just plug and ray
- Intuitive software
- Minimum maintenance: No parts wear, RayPack technology, no special tools necessary



## Easy to use laser software

Using Rayjet® Manager, texts and images are sent directly from your usual graphics package to the Rayjet laser engraver, so you don't have to learn any new software. It is as easy as printing. Just select the material type and thickness from the supplied database, then send it to the laser machine. Rayjet® Manager acts as a printer driver. The Rayjet® Manager supports all standard graphic programs, such as CorelDraw, Adobe Illustrator, Adobe Photoshop, Rhino, InkScape or AutoCAD. Our "one click setup" means you can be up and running within minutes (shortest time from unboxing to making money).



**trotec**

## Austrian Engineering & Quality Standards

The Rayjet laser engraver is proudly developed by Trotec. We comply to stringent production procedures and European manufacturing standards, so you can be assured of the best quality product. The Rayjet is equipped with high quality components which means less down time due to non-operation and more up-time for your business.



## Comply to all health and safety regulations

CE-certified based on: Safety of machinery IEN 60204-1, Safety of laser products IEC 60825-1/-4/-14, IT equipment EN 55022, 55024, Low-voltage switchgear and controlgear assemblies IEC 60439-1.



## Highest safety standards

Every laser operator is safe using our machines. This is our safety 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.

# Application Examples



Engraving of laser rubber for stamps



Personalized pens



Customized trophies made quickly and easily



Finest engravings on glass



Clean paper finishing and finest contours



Creative engravings on leather



Personalized anodized aluminium safety lock



Signs made of TroLase

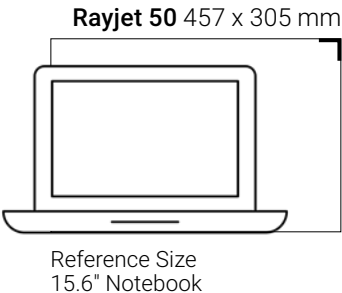
# What to du want to engrave or cut

Material	Cut	Engrave
Glass		•
Leather	•	•
Metal*		•
Paper	•	•
Plastics	•	•
Promotional Items	•	•
Signage	•	•
Stamps	•	•
Textiles	•	•
Trophies		•
Wood	•	•

\* marking solutions required



# Which Model is Right for You?



## All you need

Our Rayjet 50 laser machine is suitable for all standard sheet sizes up to 457 x 305 mm. We are here to help you choose the best affordable laser machine for your business.

## Rayjet 50

Working area	457 x 305 mm
Laser power	Sealed-off CO <sub>2</sub> RF 30 W
Cooling system	air-cooled
Max. processing speed	1.5 m/s
Laser safety	RayPack Technology, CDRH laser safety, laser class 2, CE compliant, double interlock safety system
Machine size (W x D x H)	726 x 412 x 680 mm
Weight	approx. 53 kg
Power consumption laser machine	100 – 250V, 800 W
Options	1.5 inch lens, 2.5 inch lens, honeycomb cutting table, rotary attachment, air assist, trolley base, integrated (ride on) exhaust system



## Cylindrical device

Using this clamping device, the Rayjet can engrave round and cylindrical parts automatically. The device is removable and easy attached when needed.

## Air Assist

Air Assist continuously blows clean air onto the object being engraved. As a result, dust is removed from the engraving site, instead of being burnt into the workpiece by the laser beam. Consequently, you obtain more precise and cleaner engravings and cutting edges.

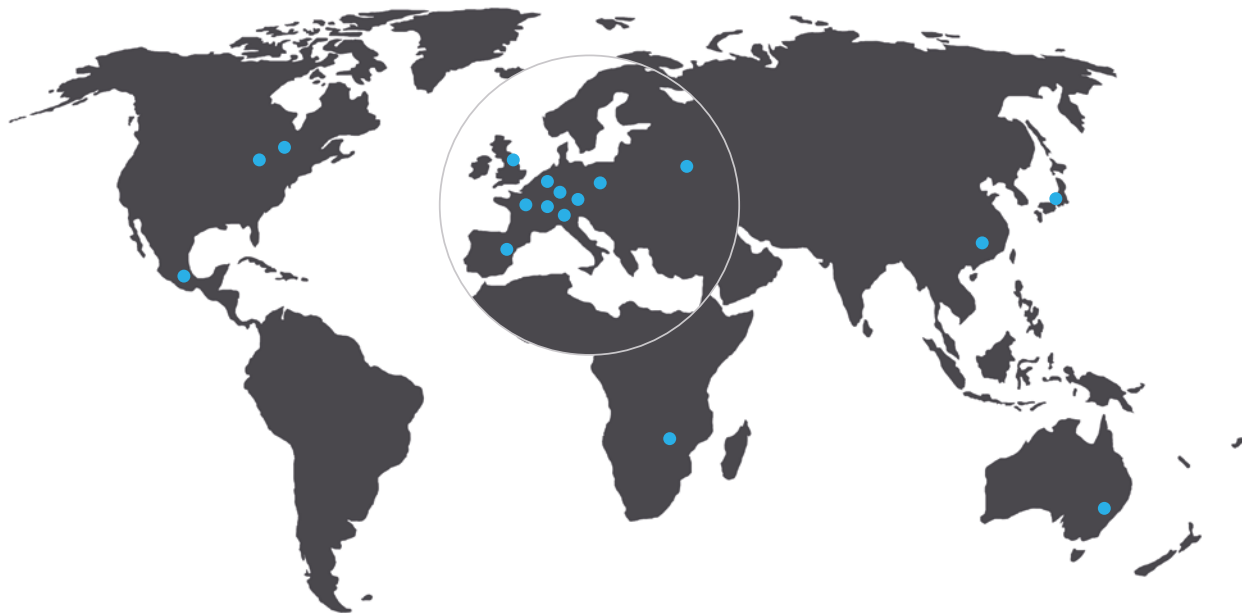


## Cutting table

A cutting table is required for good cutting results. The honeycomb design minimizes back reflection caused by cutting through material.

## Exhaust system

The Atmos Cube laser exhaust system removes dust and unpleasant odors caused by laser engraving. This also improves engraving results as dust particles are removed immediately during the engraving process. In addition, the fume extractor keeps the Rayjet's interior clean and thus prolongs its life. The Rayjet is placed directly onto the mobile housing of the exhaust system, which saves space.



## Global coverage and local service – always close to you

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.

## Your Trotec Advantages

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



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