

# Serie R

## Simply Laser Cutting by Trocec Laser

### R400

It is your perfect laser cutter for all standard sheet sizes up to 1300 x 900 mm. Cutting and engraving of acrylics up to 15 mm, wood up to 15 mm, textiles, paper and much more. Cut and engrave signs, gifts, toys, models, prototypes and any kind of decoration and fashion items. The R Series has been engineered and built by Trotec, one of the world's leading manufacturers of laser machines, to meet all your needs at an affordable price. Simply Laser Cutting: Powerful, fast, clean and safe

- Working Area up to 1300 x 900 mm
- 60 – 120 Watt CO2 DC Laser
- Cutting and engraving of acrylic, wood up to 15 mm, textiles, paper and many more
- Engineered and built by Trotec Laser

### Application Examples:

Creative indoor sign made of TroLase, Shiny, flame polished cutting edges of Acrylic up to 15 mm, Creative indoor sign made of TroLase  
Laser engraved drinking glasses with rotary device  
Clean and perfectly sealed laser cut edges of leather incl. engraved details, Precisely and cleanly cut cardboard shape, Creative indoor sign made of TroLase Laser engraved drinking glasses with rotary device  
Precisely cut construction kit wooden plane.

## What Do You Want to Engrave or Cut?

### Material to cut:

Wood  
Glass  
Paper white  
Paper Colored  
Leather  
Cardboard  
Textiles  
Cork  
Food

### Plastics:

Acrylonitrile butadiene styrene copolymer (ABS)  
Acrylic (PMMA)  
Rubber (laser rubber)  
Polyamide (PA)  
Tereftalato de polibutileno (PBT)  
Polycarbonate (PC)  
Polietileno (PE)

Poliéster (PES)  
Poliétileno tereftalato (PET)  
Poliamida (PI)  
Polioximetileno (POM), por ejemplo, Delrin®  
Polipropileno (PP)  
Polisulfuro de fenileno (PPS)  
Poliestireno (PS)  
Espuma de poliuretano (PUR)  
Espuma (sin PVC)

## Engrave material:

### Material:

Wood  
Glass  
Paper white  
Paper colored  
Cardboard  
Leather  
Textiles  
[Mirror](#)  
Stone  
Ceramics  
Cork  
Food

### Metals:

Aluminum anodized

Coated metal (varnished)

### Plastics:

Acrilonitrilo butadieno estireno copolímero (ABS)  
Acrílico (PMMA)  
Caucho (caucho para láser)  
Poliamida (PA)  
Tereftalato de polibutileno (PBT)  
Policarbonato (PC)  
Poliétileno (PE)  
Poliéster (PES)  
Poliétileno tereftalato (PET)  
Poliamida (PI)  
Polioximetileno (POM), por ejemplo, Delrin®  
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# Datasheet

Below is technical information regarding the R400 and R500 laser cutting and engraving machines, as shown below, the format corresponds to “Characteristic: R400 |R500”, which corresponds to a characteristic of the machine: the value for the R400 machine followed by a “|” and ending with the value for the R500 machine, like this:

**Working area:** 1030 x 630 mm | 1300 x 900 mm

**Laser Power CO2 DC:** 60 / 100 W | Láser sellado CO2 DC 60 / 100 / 120 W

**Cooling system:** wáter-cooled |wáter-cooled

**Max.processing speed:** 1 m/s 1 | m/s

**Laser safety:** Tecnología RayPack, seguridad

láser CDRH, clase láser 2, cumple normas CE, doble sistema de bloqueo de seguridad, interruptor de emergencia y llave| Seguridad láser CDRH, clase láser 2, cumple normas CE, doble sistema de bloqueo de seguridad, interruptor de emergencia y llave

**Machine size (W x D XH):**1550 x 1080 x 1080 mm | 1870 x 1700 x 1110 mm

**Weight:** aprox 300 kg | aprox. 570 kg

**Power consumption laser machine:**100 - 250V, 1200 W | 100 - 250V, 1100 - 1500 W

**Power consumption chiller:**900 W |2500 W

Options:Rotary attachment

Aluminum slat cutting table 4.0" lens |Mesa de corte con lamas de aluminio Lente de 4,0"

### 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.

\* Basis configuration

### 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.

#### Costs:

The cost of the R400 laser cutting and engraving machine is \$9,900 US +Transportation

The cost of the R500 laser cutting and engraving machine is \$12,000 US Transportation

The machine installation service is covered the costs of the machine