

RVD SMARTFIBRE PR 6020.30000 CNC FIBRE LASER CUTTING MACHINE 415V



The RVD SmartFibre PR range offers fully enclosed fibre laser cutting systems equipped with a high-speed shuttle table for efficient flatbed processing.

Available in 3×1.5m, 4×2m and 6×2m formats, with power options from 3 kW to 30 kW, each machine delivers fast, accurate cutting performance across a wide range of materials.

Every model features intelligent cutting head technology, intuitive CypCut software and a dual pallet system that enables rapid sheet exchange and improved workflow efficiency.

## FEATURES

- o Fully enclosed design with high-speed shuttle table system
- o High performance Raycus fibre laser technology
- o HypCut 8000 bus controller
- o HypCut software with CypNest integrated CAD/CAM and nesting
- o BOCI BLT 682 intelligent cutting head
- o Rigid gantry system ensuring fast accurate positioning to X and Y axis
- o Automatic height sensor to ensure optimum cutting efficiency
- o Class leading brand components:
  - Schneider electrics – France
  - YYC rack and pinion – Taiwan
  - Hiwin linear guides – Taiwan
  - Yaskawa servo motor and driver – Japan
  - Desboer reducer – China
  - Tongfei water chiller – China

## OPTIONS

- o Beckhoff Control with Precitec ProCutter Cutting Head
- o Automatic nozzle cleaning and calibration
- o Extraction/filtration system

## TECHNICAL INFORMATION

| MODEL                    |       | PR 6020.30000 |
|--------------------------|-------|---------------|
| Laser Power              | kW    | 30            |
| Fibre Laser Source       |       | Fibre         |
| Maximum Cutting Capacity |       |               |
| Mild Steel               | mm    | 80            |
| Stainless Steel          | mm    | 100           |
| Aluminium                | mm    | 60            |
| Brass                    | mm    | 30            |
| Copper                   | mm    | 12            |
| X Axis Travel            | mm    | 6050          |
| Y Axis Travel            | mm    | 2035          |
| Z Axis Travel            | mm    | 200           |
| Maximum Sheet Size       | mm    | 6000x2000     |
| Positioning Speed        | m/min | 120           |
| Axis Acceleration        | G     | 1.2           |
| Table Exchange Time      | s     | 15            |
| Maximum Table Capacity   | kg    | 1100          |
| Positioning Accuracy     | mm    | ±0.05         |
| Repeat Position Accuracy | mm    | ±0.03         |
| Length                   | mm    | 14200         |
| Width                    | mm    | 2760          |
| Height                   | mm    | 2100          |
| Weight                   | kg    | 20000         |

## OTHER IMAGES

