

RVD SMARTFIBRE PR 6020.6000 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 3x1.5m, 4x2m and 6x2m 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 FSCUT 4000E EtherCAT controller
- o CypCutE laser cutting software with integrated CAD/CAM and nesting
- o BOCI BLT 421 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 CypNest CAM and nesting software for PC
- o Beckhoff Control with Precitec ProCutter Cutting Head
- o Automatic nozzle cleaning and calibration
- o Extraction/filtration system

## TECHNICAL INFORMATION

<b>MODEL</b>		<b>PR 6020.6000</b>
Laser Power	kW	6.0
Fibre Laser Source		Fibre
Maximum Cutting Capacity		
Mild Steel	mm	25
Stainless Steel	mm	15
Aluminium	mm	15
Brass	mm	12
Copper	mm	8
X Axis Travel	mm	2050
Y Axis Travel	mm	6050
Z Axis Travel	mm	250
Maximum Sheet Size	mm	6000 x 2000
Positioning Speed	m/min	100
Axis Acceleration	G	1.5
Table Exchange Time	s	15
Maximum Table Capacity	kg	1800
Positioning Accuracy	mm	±0.03
Repeat Position Accuracy	mm	±0.02
Length	mm	17000
Width	mm	6000
Height	mm	2300
Weight	kg	17000

## OTHER IMAGES

