

RVD SMARTFIBRE PR 6020.8000 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

- Fully enclosed design with high-speed shuttle table system
- High performance Raycus fibre laser technology
- FSCUT 4000E EtherCAT controller
- CypCutE laser cutting software with integrated CAD/CAM and nesting
- BOCI BLT 421 intelligent cutting head
- Rigid gantry system ensuring fast accurate positioning to X and Y axis
- Automatic height sensor to ensure optimum cutting efficiency
- 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

- CypNest CAM and nesting software for PC
- Beckhoff Control with Precitec ProCutter Cutting Head
- Automatic nozzle cleaning and calibration
- Extraction/filtration system

TECHNICAL INFORMATION

MODEL	PR 6020.8000	
Laser Power	kW	8.0
Fibre Laser Source		Fibre
Maximum Cutting Capacity		
Mild Steel	mm	40
Stainless Steel	mm	30
Aluminium	mm	30
Brass	mm	16
Copper	mm	10
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	2
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