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## RVD SMARTFIBRE PR 6020.12000 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 HypCut 8000 bus controller
- o HypCut software with CypNest integrated CAD/CAM and nesting
- o BOCI BLT 642 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 6020.12000
Laser Power	kW	12
Fibre Laser Source		Fibre
Maximum Cutting Capacity		
Mild Steel	mm	30
Stainless Steel	mm	25
Aluminium	mm	25
Brass	mm	12
Copper	mm	8
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

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## OTHER IMAGES