

**RVD SMARTFIBRE PRT 3015-3016.3000 CNC FIBRE LASER CUTTING MACHINE 415V**

The RVD SmartFibre PRT combines flatbed and tube cutting capability within a single, efficient fibre laser system. Based on the established PR platform, it retains the full shuttle table functionality for sheet processing while adding an integrated rotary attachment for tube cutting.

The flatbed handles sheets up to 3000 x 1500mm, while the rotary axis accommodates round and square tube in a variety of lengths and diameters. Power options range from 3kW to 12kW, with each configuration built around carefully matched components to ensure full compatibility and performance across both formats.

Fully enclosed and CE compliant, the PRT series is ideal for fabricators looking to combine profile and tube processing within a single footprint.

## FEATURES

- Shuttle table design with integrated tube cutting station
- High performance Raycus fibre laser technology
- FSCUT 2000E EtherCAT controller
- CypCutE laser cutting software with integrated CAD/CAM and nesting
- CypTube rotary cutting software
- BOCI BLT 310 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 or Hanli water chiller – China

## OPTIONS

- Automatic nozzle cleaning and calibration
- Extraction/filtration system

## TECHNICAL INFORMATION

MODEL		PRT 3015-3016.3000
Laser Power	kW	3.0
Laser Source	-	Fibre
Maximum Cutting Capacity		
Mild Steel	mm	20
Stainless Steel	mm	10
Aluminium	mm	8
Brass	mm	6
Copper	mm	5
X Axis Travel	mm	3000
Y Axis Travel	mm	1500
Z Axis Travel	mm	200
Maximum Sheet Size	mm	3000 x 1500
Round Tube Range	mm	∅20-160
Square Tube Range	mm	TBA
Positioning Speed	m/min	100
Axis Acceleration	G	2.0
Table Exchange Time	s	15
Maximum Table Capacity	kg	800
Positioning Accuracy	mm	∅±0.05
Repeat Position Accuracy	mm	∅±0.03
Width	mm	4000
Height	mm	2500

OTHER IMAGES

