
RVD SMARTFIBRE PRG 8025.20000 CNC FIBRE LASER CUTTING MACHINE 415V



The RVD SmartFibre PRG fibre laser cutting machines are built for high-performance cutting of large-format sheet and plate. These gantry-based systems feature a moving bridge with an integrated cutting enclosure, offering precise cutting control and localised extraction directly at the cutting head. This design enables full-length open-bed access without the need for a shuttle table, simplifying loading and unloading even on beds up to 24 metres long.

Designed as a precise alternative to plasma systems, the PRG range supports power levels from 6kW up to 60kW and accommodates a wide variety of material types and thicknesses. Its flexible open format allows multiple sheets to be prepared on the bed at once, helping reduce downtime and maximise throughput on demanding cutting jobs.

FEATURES

- Large format gantry design with integrated cutting enclosure
- High performance Raycus fibre laser technology
- FSCUT 8000 EtherCAT controller
- HypCut software with CypNest integrated CAD/CAM and nesting
- BOCI BLT 662 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

- IPG Photonics YLS laser source
- Automatic nozzle cleaning and calibration
- BLT 3D intelligent bevel cutting head
- Extraction/filtration system

TECHNICAL INFORMATION

MODEL		PRG 8025.20000
Laser Power	kW	20
Laser Source		Fibre
Mild Steel	mm	35
Stainless Steel	mm	35
Aluminium	mm	30
Brass	mm	12
Copper	mm	10
X Axis Travel	mm	8050
Y Axis Travel	mm	2550
Z Axis Travel	mm	200
Maximum Sheet Size	mm	8000 x 2500
Positioning Speed	m/min	150
Axis Acceleration	G	2
Positioning Accuracy	mm	±0.05
Repeat Position Accuracy	mm	±0.03
Length	mm	TBA
Width	mm	TBA
Height	mm	TBA
Weight	kg	TBA

OTHER IMAGES