

MORGAN RUSHWORTH XS 6020.6000 6.0KW NLIGHT FIBRE LASER CUTTING MACHINE

The Morgan Rushworth XS range of fibre lasers are available in a range of bed sizes and are equipped with an automatic shuttle table with dual pallet changer enabling parts to be safely loaded and unloaded whilst the machine is still cutting. Class leading components ensure superior cut quality, high reliability and reduced down time.

The range covers from 1kW up to 15kW which with the high performance rack and pinion system for X & Y axis and a rigid gantry and frame structure, resulting in fast acceleration, fast positioning speeds and fast cutting times. Optionally machines can be fitted with linear motors and guides for even greater acceleration. A user friendly touch screen CNC control allows parts to be programmed on the screen or imported from an office PC, providing flexible modes of operation.

FEATURES

- Class leading nLIGHT or IPG fibre laser source available from 1kW - 15kW
- Precitec ProCutter cutting head with auto focus and anti-collision functionality
- Beckhoff servo motors and drives
- Wittenstein rack and pinion system with automatic lubrication
- SMC automatic gas selection system
- Beckhoff touch screen controller with part graphic view and extensive cutting parameter data base
- Automatic sheet edge detection with skew allowance
- Automatic nozzle cleaning and calibration
- Class leading Lantek Expert software
- Fast shuttle table change time
- Large window viewing area with laser protective material
- Light guard protection for shuttle table

OPTIONS

- Auto nozzle changer
- CNC bevel cutting up to 45°
- Linear motors and drives instead of servo motors and drives
- CNC parts conveyor
- Metalix software instead of standard Lantek
- CCTV view of cutting action
- Fume extractor with filters
- Air compressor and dryer
- Loading and unloading systems

TECHNICAL INFORMATION

Fibre laser source		6.0 kW nLIGHT
Maximum cutting capacity		
Mild steel	mm	25
Stainless steel	mm	20
Aluminium	mm	20
Brass	mm	12
Copper	mm	8
X Axis travel	mm	6000
Y Axis travel	mm	2000
Z Axis travel	mm	100
Maximum sheet size	mm	6020mm x 2020mm
Positioning speed - Standard	m/min	165
Positioning speed - Linear	m/min	215
Axis acceleration - Standard	G	2.2
Axis acceleration - Linear	G	3.0
Shuttle table exchange time	sec	38
Maximum table capacity	kg	3500
Positioning accuracy - Standard	mm	0.02
Positioning accuracy - Linear	mm	0.01
Length	mm	15250
Width	mm	3950
Height	mm	2300
Weight	kg	16500

OTHER IMAGES

