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MORGAN RUSHWORTH XS 4020.12000 12.0KW 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 3kW up to 60kW 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.

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FEATURES

- Class leading Max Photonics Elite fibre laser source available from 3kW - 60kW
- Precitec ProCutter 2.0 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

- Upgrade to IPG YLR or YLS laser source
- Automatic nozzle changer
- Automatic nozzle centring (with auto changer)
- CNC bevel cutting up to 45°
- Linear motors and drives instead of servo motors and drives
- CNC parts conveyor
- Ball transfer system
- Metalix software instead of standard Lantek
- CCTV view of cutting action
- Fume extractor with filters
- Air compressor and dryer
- 8 level loading and unloading automation

TECHNICAL INFORMATION

Fibre laser source		12.0 kW
Maximum cutting capacity		
Mild steel	mm	40
Stainless steel	mm	40
Aluminium	mm	40
Brass	mm	15
Copper	mm	10
Production cutting capacity		
Mild steel	mm	30
Stainless steel	mm	20
Aluminium	mm	25
Brass	mm	12
Copper	mm	8
X Axis travel	mm	4000
Y Axis travel	mm	2000
Z Axis travel	mm	100
Maximum sheet size	mm	4020mm 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	2500
Positioning accuracy - Standard	mm	0.02
Positioning accuracy - Linear	mm	0.01
Length	mm	11750
Width	mm	3950
Height	mm	2300
Weight	kg	14000

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