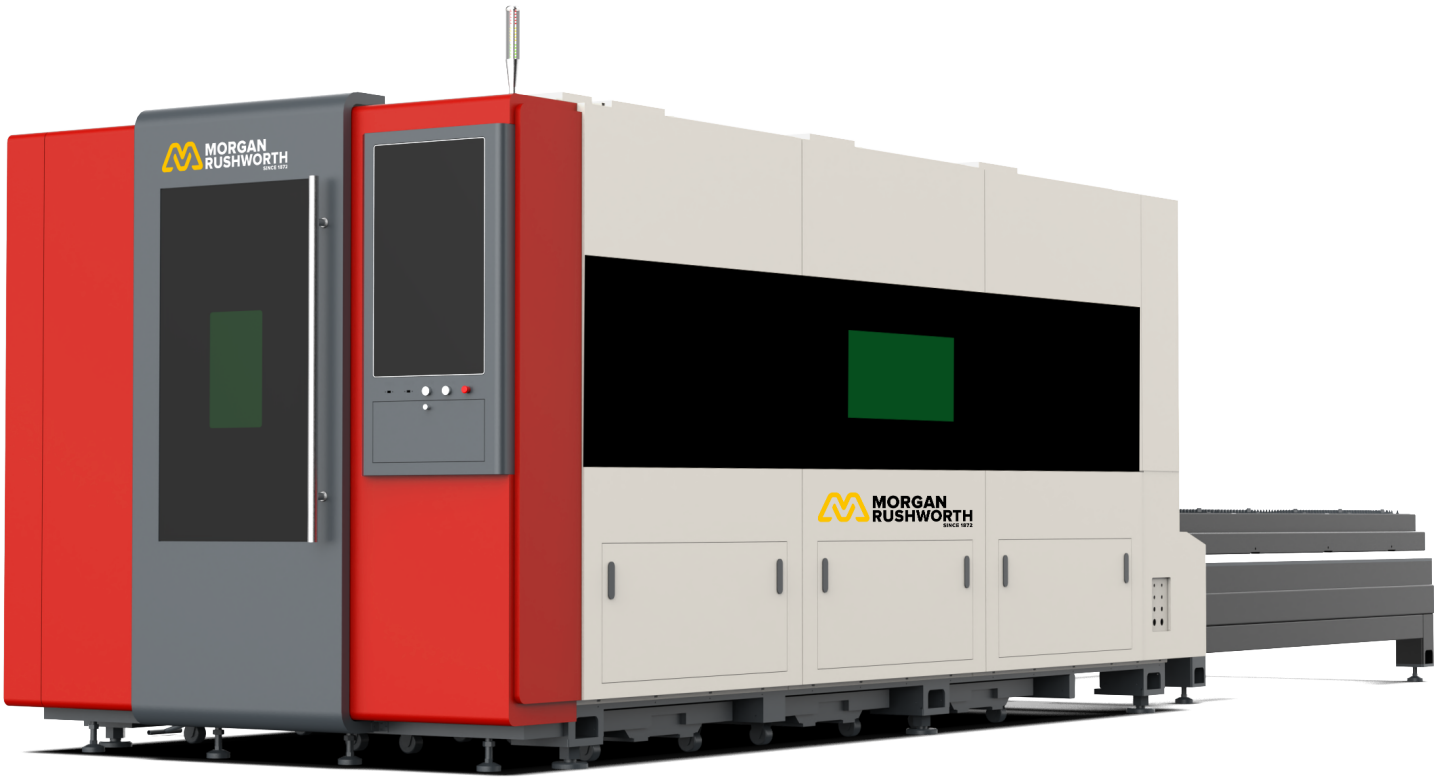
01785 214242
sales@bisonmachinery.net
www.bisonmachinery.co.uk

MORGAN RUSHWORTH XL 4020.1500 FIBRE LASER CUTTING MACHINE



The Morgan Rushworth XL range of fibre lasers are equipped with a 3m x 1.5m up to a 6.5m x 2.5m cutting area with 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 1.5kW up to 40kW with the Yaskawa motors and drives for the X & Y axis and a rigid gantry and frame structure, resulting in fast acceleration, fast positioning speeds and fast cutting times. The FSCUT control includes software for drawing parts or importing DXF files.

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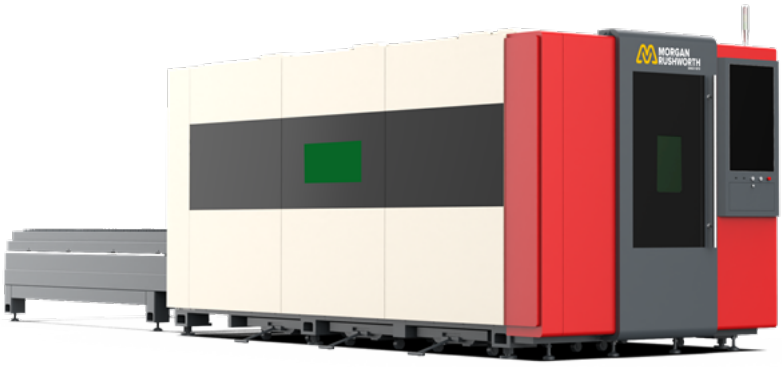
FEATURES

- Class leading MAX Photonics fibre laser source
- BOCHU cutting head with auto focus and anti-collision functionality
- Automatic nozzle cleaning
- Yaskawa servo motors and drives
- Advanced aluminium gantry
- Automatic gas selection system
- FSCUT touchscreen controller
- CCTV system
- Automatic sheet edge detection with skew allowance
- Fast shuttle table change time
- Automatic lubrication system
- Door windows with laser protective material
- Light guard protection for shuttle table

OPTIONS

- Fume extractor with filters

TECHNICAL INFORMATION

MODEL		XL 4020.1500
Fibre Laser Source		1.5 kW
Maximum Cutting Capacity		
Mild Steel	mm	15
Stainless Steel	mm	6
Aluminium	mm	4
Brass	mm	3
Copper	mm	2
Production Cutting Capacity		
Mild Steel	mm	14
Stainless Steel	mm	4
Aluminium	mm	3
Brass	mm	2
Copper	mm	1.5
X Axis Travel	mm	4000
Y Axis Travel	mm	2000
Z Axis Travel	mm	375
Maximum Sheet Size	mm	4050mm x 2030mm
Maximum Sheet Weight	kg	1300
Simultaneous Positioning Speed	m/min	115
Axis Acceleration	G	1.5
Positioning Accuracy	mm	0.03
Length	mm	10570
Width	mm	3430
Height	mm	2350
Weight	Kg	9100

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