
MORGAN RUSHWORTH XR 6020.4000 4.0KW NLIGHT FIBRE LASER CUTTING MACHINE

The Morgan Rushworth XR range of fibre lasers are equipped with a 3 x 1.5m, 4 x 2m or 6 x 2m cutting area with automatic shuttle table with dual pallet changer enabling parts to be safely loaded and unloaded whilst the machine is still cutting. The design includes the fibre laser source inside the body of the machine resulting in a compact footprint, ideal for the smaller workshop, as well as fast start up time from delivery of the machine to production cutting. Class leading components ensure superior cut quality, high reliability and reduced down time.

The range covers from 1kW up to 10kW which with the high performance rack and pinion system for X & Y axis and rigid gantry and frame structure, resulting in fast acceleration, fast positioning speeds and fast cutting times. 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 - 10Kw
- Precitec 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
- 19" 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
- Libellula nesting software
- Fast shuttle table change time
- Large window viewing area with laser protective material
- Light guard protection for shuttle table

OPTIONS

- Lantek or Metalix nesting software
- CCTV view of cutting action
- Fume extractor with filters
- Air compressor and dryer

TECHNICAL INFORMATION

Fibre laser source		4.0 kW nLIGHT
Maximum cutting capacity		
Mild steel	mm	20
Stainless steel	mm	12
Aluminium	mm	10
Brass	mm	6
Copper	mm	6
X Axis travel	mm	6000
Y Axis travel	mm	2000
Z Axis travel	mm	100
Maximum sheet size	mm	6000mm x 2000mm
Simultaneous positioning speed	m/min	145
Axis acceleration	G	1.8
Shuttle table exchange time	sec	38
Maximum table capacity	kg	3500
Positioning accuracy	mm	0.05
Length	mm	15800
Width	mm	3385
Height	mm	2088
Weight	kg	15000

OTHER IMAGES

