MORGAN RUSHWORTH
SINCE 1872

BENDING. CUTTING. EXCELLENCE



XR Fibre Laser Cutting Machine

The Morgan Rushworth XR range of fibre lasers are equipped with a 3m x 1.5m cutting area as standard with automatic shuttle table with dual pallet changer enabling parts to be safely loaded and unloaded whilst the machine is still cutting. 4 x 2m and 6 x 2m options are also available.

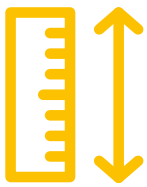
The range covers from 3 to 12kW which with the high performance rack and pinion system for X & Y axis and rigid gantry and frame structure, resulting in fast acceleration, fast positioning speeds and fast cutting times.



FEATURES AND BENEFITS



1.5 or 2m Bed Width



3, 4 or 6m Bed Length



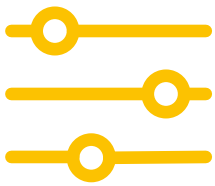
Up to 12kW Laser Power



2G Acceleration



Lantek Expert Nesting Software



Options include CCTV Cameras

www.morganrushworth.com | 01785 508 030 | sales@morganrushworth.com



Dual Shuttle Exchange Table



Beckhoff Controller

MACHINE FEATURES

- Class leading fibre laser source
- Precitec Thunder cutting head with auto focus and anti-collision functionality
- Yaskawa 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
- Beckhoff CNC controller, servo motors and drives – increases acceleration and positioning speed
- Automatic sheet edge detection with skew allowance
- Automatic nozzle cleaning and calibration
- Class leading Lantek software
- Fast shuttle table change time
- Large window viewing area with laser protective material
- Light guard protection for shuttle table

OPTIONAL EQUIPMENT

- CCTV view of cutting action
- Fume extractor with filters
- Air compressor and dryer
- Compact Stacking System

CUTTING CAPACITIES

LASER SOURCE			3kW	6kW	8kW	10kW	12kW
Material	Gas	Capacity					
Carbon Steel	O2	mm	22	25	25	30	35
Stainless Steel	N2	mm	12	20	25	30	35
Aluminium	Air	mm	10	16	25	30	35

TECHNICAL SPECIFICATIONS

STOCK CODE		XR 3015	XR 4020	XR 6020
Laser Source	kW	3, 6, 8, 10 or 12		
X Axis Travel	mm	3,000	4,000	6,000
Y Axis Travel	mm	1,500	2,000	2,000
Processing Size	mm	3,000 x 1,500	4,000 x 2,000	6,000 x 2,000
Acceleration	G	1.5 (Optional 2.0G)		
CNC Control Unit		Beckhoff CNC		
Cutting Head		Precitec Thunder Cutter		
Max. Traverse Speed	m/ min	90		
Max. Table Capacity	kg	1,000	2,500	3,500
Absolute Positioning Accuracy	mm	± 0.03		
Repeatability (X & Y Axis)	mm	± 0.02		
Length	mm	9,045	11,750	15,250
Width	mm	2,280	3,950	3,950
Height	mm	2,000	2,300	2,300
Weight	kg	12,000	14,000	16,500



Dual Shuttle Exchange Tables



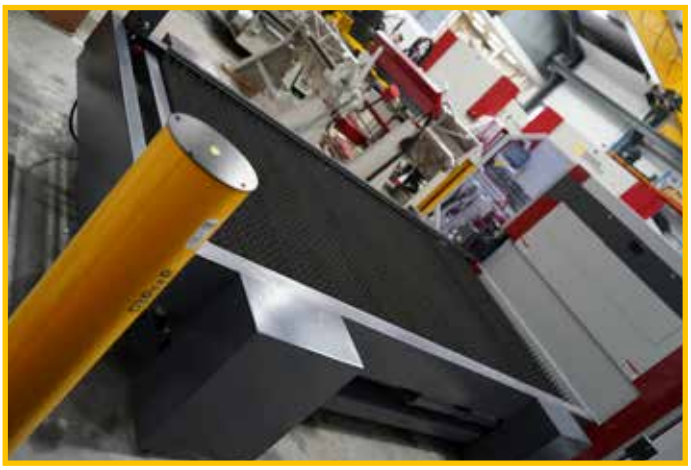
Heavy-Duty Gantry



Safety Glass Vision Panels



Removable Scrap Trays



Light guard safety systems



Optional Compact Stacker System