

XR Fibre Laser Cutting Machine

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

The range covers from 1kw up to 6kw 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



**1.5m
Bed Width**



**3m
Bed Length**



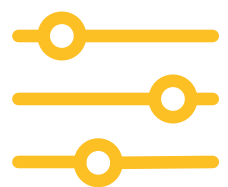
**Up to 6kW
Laser Power**



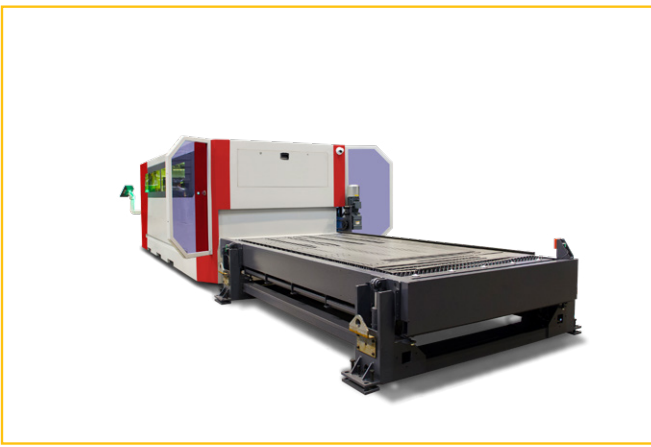
**Up to 2G
Acceleration**



**Lantek Expert
Nesting Software**



**Options include
CCTV Cameras**



Dual Shuttle Exchange Table



Beckhoff Controller

MACHINE FEATURES

- Class leading fibre laser source available from 1Kw – 6Kw
- 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

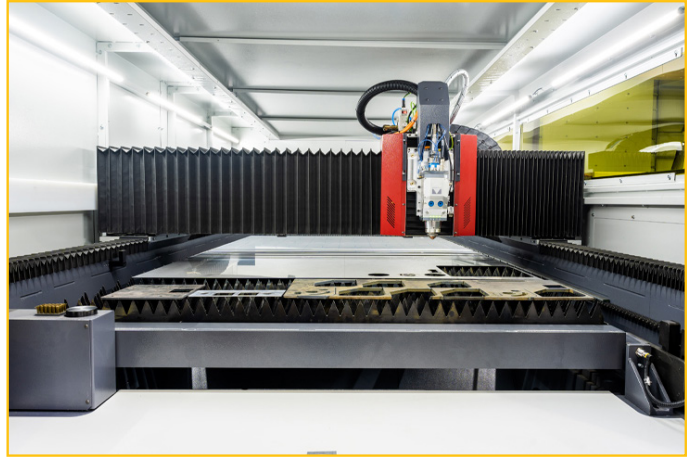
LASER SOURCE			1kW	2kW	3kW	4kW	6kW
Material	Gas	Capacity					
Carbon Steel	O2	mm	10	15	22	25	25
Stainless Steel	N2	mm	4	8	12	12	20
Aluminium	Air	mm	3	6	10	12	16
Brass	N2	mm	-	-	8	12	14
Copper	O2	mm	-	-	6	6	10
Galvanised	N2	mm	-	-	8	10	14

TECHNICAL SPECIFICATIONS

STOCK CODE		XR 3015
Laser Source	kW	1, 2, 3, 4, 6
X Axis Travel	mm	3,000
Y Axis Travel	mm	1,500
Processing Size	mm	3,000 x 1,500
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
Absolute Positioning Accuracy	mm	± 0.03
Repeatability (X & Y Axis)	mm	± 0.02
Length	mm	9,045
Width	mm	2,280
Height	mm	2,000
Weight	kg	12,000



Dual Shuttle Exchange Tables



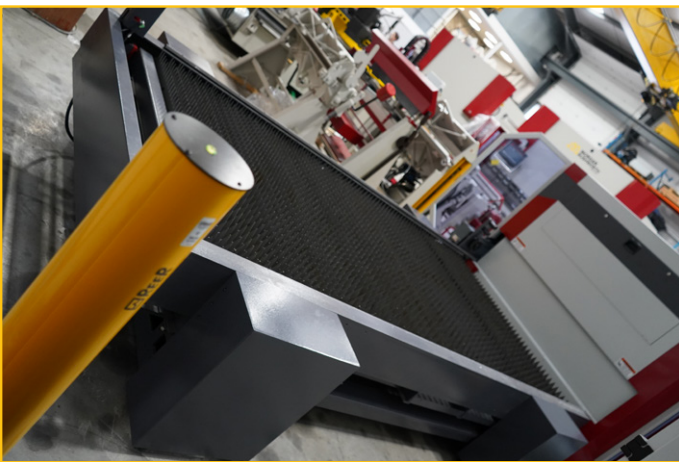
Heavy-Duty Gantry



Safety Glass Vision Panels



Removable Scrap Trays



Light guard safety systems



Optional Compact Stacker System