



XL Fibre Laser Cutting Machines

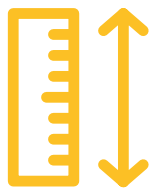


The Morgan Rushworth XL range of fibre laser cutting machines are equipped with a 3m x 1.5m or 4 x 2m cutting area with automatic shuttle table with dual pallet changer, enabling parts to be safely loaded and unloaded whilst the machine is still cutting. Class leading components ensure superior cut quality, high reliability and reduced down time.

The range covers from 1.5kw up to 6kw with the Fuji 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 control is by Cypcut and includes software for drawing parts or importing DXF files.



**1.5 and 2m
Bed Widths**



**3 and 4m
Bed Lengths**



**1.5 - 6KW
Laser Power**



**1.5G
Acceleration**



**Cypnest
Nesting
Software**



**Optional
Extraction &
Filtration**



COMPACT FOOTPRINT



TWIN PALLET EXCHANGE TABLE

WIDE-OPENING FRONT DOOR SYSTEM



Machine Features

- Class leading IPG fibre laser source
- Raytools cutting head with auto focus and anti-collision functionality
- Fuji servo motors and drives
- Rack and pinion system with automatic lubrication
- Automatic gas selection system
- Cypcut controller
- Automatic sheet edge detection with skew allowance
- Fast shuttle table change time
- Door windows with laser protective material
- Light guard protection for shuttle table

Optional Equipment

- High Efficiency Extraction / Filtration System
- 10HP Screw Compressor with Dryer
- Safety Light Curtain for the Shuttle Table
- UPS (Uninterrupted Power Supply) - Highly recommended for 3kW+ machines

TECHNICAL SPECIFICATIONS

BED SIZE		m	3 x 1.5					4 x 2				
Laser Source (IPG YLS)	kW		1.5	2.0	3.0	4.0	6.0	1.5	2.0	3.0	4.0	6.0
Maximum Cutting Capacity	Mild Steel	mm	12	16	20	20	25	12	16	20	20	25
	Stainless Steel	mm	4	5	8	10	16	4	5	8	10	16
	Aluminium	mm	3	5	8	10	16	3	5	8	10	16
	Brass	mm	3	5	6	8	12	3	5	6	8	12
	Copper	mm	2	3	5	6	8	2	3	5	6	8
X Axis Travel	mm	3,100					4,100					
Y Axis Travel	mm	1,550					2,100					
Z Axis Travel	mm	300					300					
Rapid Traverse (X and Y Axis)	m/min	100					100					
Acceleration		1.5G										
Maximum Sheet Size	mm	3000 x 1500					4000 x 2000					
Maximum table capacity	kg	900 (each table)					1650 (each table)					
Positioning accuracy	mm	± 0.05										
Repeatability	mm	± 0.02										
Transfer Table	mm	Motorised - Automatic Exchange										
Length	mm	8,400					9,400					
Width	mm	4,290					4,790					
Height	mm	2,200					2,200					
Weight	kg	5,800					6,500					
Fume Extractor	m3/hour	4,000 (Optional)										