



XL Fibre Laser Cutting Machines



The Morgan Rushworth XL range of fibre lasers are equipped with an 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.



**WIDE-OPENING
FRONT DOOR SYSTEM**



COMPACT FOOTPRINT



TWIN PALLET EXCHANGE TABLE

Machine Features

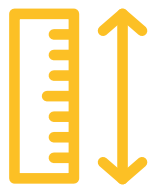
- High performance IPG YLG 3kW Fibre Laser Source
- Fibre optic beam delivery system
- Raytools Laser Cutting Head
- High strength, rigid gantry design to ensure high accuracy and allow high acceleration
- High precision class alpha rack and pinion drive motion system
- Observation Cameras
- Wittenstein Rack & Pinion
- Cypcut CNC 19" TFT Controller Screen
- Cypnest Cut Nesting Software
- Chiller
- Lens protective glass
- Parts / Scrap collector drawers
- Motorised Pallet Exchange Table
- Automatic Nozzle Cleaning and Calibration
- CE compliant complete machine enclosure and light barrier system

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



1.5m
Bed Widths



3m
Bed Lengths



3KW Laser
Power



2G Acceleration



Cypnest
Nesting
Software



Optional
Extraction &
Filtration

TECHNICAL SPECIFICATIONS

BED SIZE		3 metre x 1.5 metre	
		3.0 kW IPG YLS	
Maximum Cutting Capacity	Mild Steel	mm	18
	Stainless Steel	mm	10
	Aluminium	mm	8
X Axis Travel		mm	3100
Y Axis Travel		mm	1550
Z Axis Travel		mm	300
Rapid Traverse (X and Y Axis)		m/min	85
Vector Speed		m/min	100
Acceleration			1.5G (15 m/s ²)
Maximum Sheet Size		mm	3100 x 1550
Feed Rate			2G
Maximum table capacity		kg	900 (each table)
Positioning accuracy		mm	± 0.05
Repeatability		mm	± 0.02
Automatic Nozzle Cleaning and Calibration			Standard
Transfer Table			Motorised - Automatic Exchange
Fume Extractor		m ³ /hour	4,000 (Optional)