



XL Fibre Laser Cutting Machines

The Morgan Rushworth XL 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 design includes the fibre laser source and chiller 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 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. 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.





PRECITEC PROCUTTER THUNDER CUTTING HEAD

Machine Features

- Max Photonics 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
- Light guard protection for shuttle table



SHUTTLE DUAL TABLE

Optional Equipment

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

TECHNICAL SPECIFICATIONS

STOCK CODE		3015.1000			3015.1500		3015.2000			3015.3000			3015.4000			3015.6000		
Fibre Laser Source		1.0 kW nLight	1.0 kW IPG YLR	1.0 kW IPG YLS	1.5 kW nLight	2.0 kW nLight	2.0 kW IPG YLR	2.0 kW IPG YLS	3.0 kW nLight	3.0 kW IPG YLR	3.0 kW IPG YLS	4.0 kW nLight	4.0 kW IPG YLR	4.0 kW IPG YLS	6.0 kW nLight	6.0 kW IPG YLR	6.0 kW IPG YLS	
Maximum Cutting Capacity	Mild Steel	mm	10		12				15			18			20		25	
	Stainless Steel	mm	4		6				8			10			12		20	
	Aluminium	mm	3		5				6			8			12		20	
X Axis Travel	mm	3000																
Y Axis Travel	mm	1500																
Z Axis Travel	mm	100																
Maximum Sheet Size	mm	3000 x 1500																
Positioning Speed	Standard	m/min	90															
	Beckhoff	m/min	110															
Axis acceleration	Standard	G	1.5															
	Beckhoff	G	2															
Shuttle table exchange time	sec	38																
Maximum table capacity	kg	1000																
Positioning accuracy	mm	0.05																
Length	mm	9045																
Width	mm	2280																
Height	mm	2000																
Weight	kg	12000																