

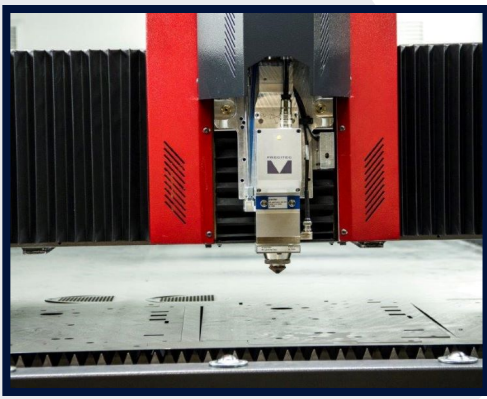


XR Fibre Laser Cutting Machines

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 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 4kw 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 LIGHTCUTTER CUTTING HEAD (OPTIONAL)



SHUTTLE TABLE

Machine Features

- Class leading nLIGHT or IPG fibre laser source available from 1Kw – 4Kw
- Raytools 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
- Automatic sheet edge detection with skew allowance
- Automatic nozzle cleaning and calibration
- Class leading Libellula software
- Fast shuttle table change time
- Large window viewing area with laser protective material
- Light guard protection for shuttle table

Optional Equipment

- Precitec LightCutter cutting head (Standard with 4kw)
- Beckhoff CNC controller, servo motors and drives – increases acceleration and positioning speed
- Lantek or Metalix software
- 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			
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	
Maximum Cutting Capacity	Mild Steel	mm	10		12	15			18			20			
	Stainless Steel	mm	4		6	8			10			12			
	Aluminium	mm	3		5	6			8			12			
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													