

## LS3015 Fibre Metal Cutter

The LS3015 is a large flatbed fibre laser cutting machine available with powers up to 12kW. It is supplied complete with a compatible water chiller unit, fan system and exhaust ducting as standard. It is available as open or with a Class 1 protective enclosure for maximum operator safety.

Optional extras include a rear-mounted exchange table arrangement for maximum productivity.

The machine is provided with a 12 month onsite warranty with option to extend up to 3 years.



### MACHINE FEATURES:

Fully enclosed cabinet system for optimal safety and fume extraction (optional)

1kW as standard, with upgrades of up to 12kW available

Up to 100,000 working hours life for the fibre source

Automatic focus adjustment much faster than manual adjustment

Heavy duty sawtooth bed for supporting a wide range of materials and weights

High quality optics provide high accuracy, reliability and long life

Swiss Raytools laser head for maximum precision and reliability

Dual gas delivery system enables assist gas changeover through software

Popular and easy to use CypCut control system

Wireless operator keypad/control handle, keyboard and mouse

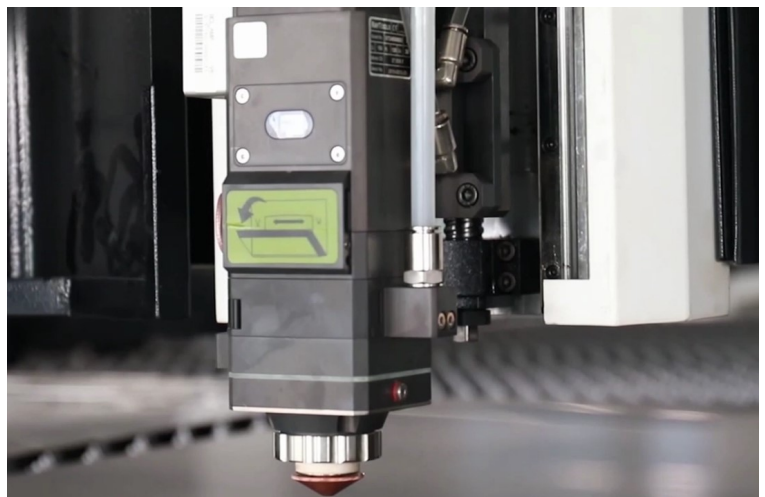
Water flow switch in chiller to provide protection against failure of cooling system

Load/unload assisting rollers

Optional rear-mounted exchange table arrangement

### CUT:

Stainless steel	Zintec
Carbon steel	Brass
Silicon steel	Copper
Aluminium	Alloys
Titanium	Electrolytic Plate
Galvanised steel	



**LS3015**

<b>Laser power</b>	1kW	1.5kW	2kW	3kW	4kW
<b>Max. Cutting speed</b>	120m/minute				
<b>Max. Acceleration</b>	1.2G				
<b>Max. cutting thickness (mm)*</b>					
Carbon Steel	10mm	14mm	16mm	20mm	22mm
Stainless Steel	5mm	6mm	8mm	10mm	12mm
Aluminium	3mm	5mm	6mm	8mm	8mm
Non-Ferrous	3mm	4mm	6mm	8mm	8mm
<b>Cutting area</b>	3000mm x 1500mm				
<b>Laser source</b>	IPG / Raycus / MAX / NLight				
<b>Location precision</b>	±0.01mm				
<b>Drive system</b>	Servo Motor				
<b>Optics</b>	RayTools Cutting Head				
<b>Mounting</b>	Free standing				
<b>Cooling method</b>	Water Chiller				
<b>Cooling system</b>	CW6100				
<b>Fume extraction</b>	Separate air extraction system supplied (Optional self-contained fume filter system available)				
<b>Software</b>	CypCut				
<b>Preferred file types</b>	.dxf, .pl				
<b>Operating system support</b>	Professional on-board computer				
<b>Power supply</b>	380-415V 3 Phase				
<b>Machine dimensions (mm)</b>	5425 x 3150 x 2530mm				
<b>Machine weight</b>	7500kg				
<b>Cabinet safety</b>	Optional protective enclosure with CE marked safety switches				
<b>Warranty</b>	12 months on site excluding consumables				

\*Any maximum cutting thicknesses are indicative only and not guaranteed.  
Reflective materials such as aluminium, brass and copper require an IPG or NLight source.

**OPTIONAL EXTRAS:**

Laser power upgrades available for faster speeds and thicker materials - 1.5kW - 12kW (please contact us for details)

AD2000 IQ BOFA Fume Filtration System

Rear-mounted exchange table arrangement

Protective enclosure available