

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

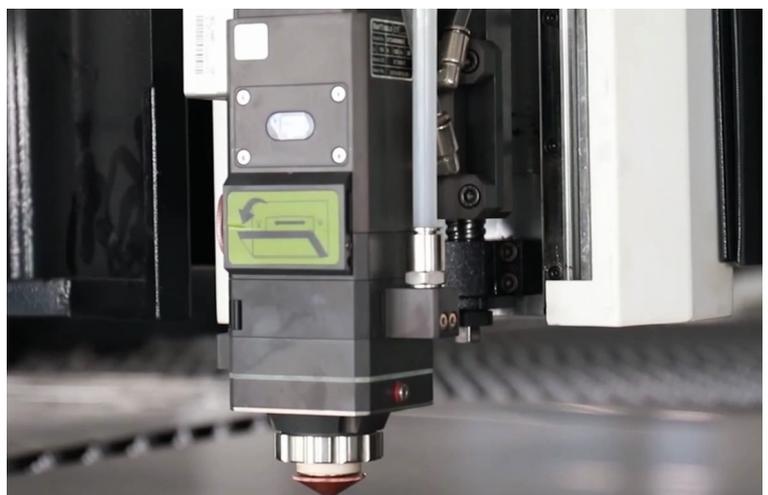
Water flow switch in chiller to provide protection against failure of cooling system

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

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