

LS3015 Fibre Metal Cutter

The LS3015 fibre metal cutting laser machine is a large bed, compact design housed in a convenient protective enclosure for maximum operator safety. Available with laser powers from 1kW to 6kW and with multiple brands of laser source available. It is supplied complete with a compatible water chiller unit, fan system and exhaust ducting as standard.

With automatic height control, automatic focus, servo motor control and an onboard fully featured computer system running the latest Cypcut laser control software, it is cleverly engineered for maximum flexibility and convenience.

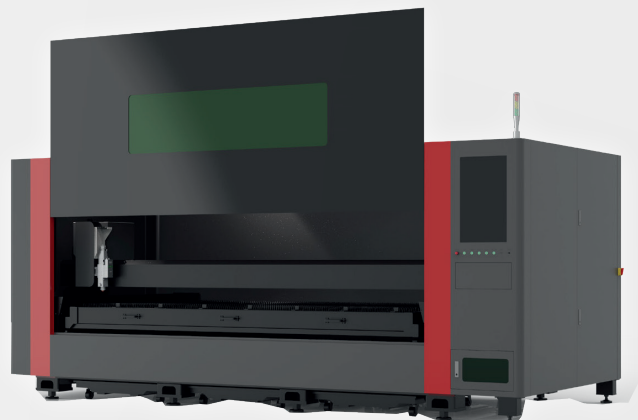


Machine Features:

- › Fully enclosed cabinet system for optimal safety and fume extraction
- › Available with laser powers of 1kW, 1.5kW, 2kW, 3kW, 4kW and 6kW
- › Onboard CCTV with live operation footage fed to integral monitor
- › Automatic focus adjustment is much faster and accurate than manual adjustment
- › Pull-out heavy duty sawtooth bed for ease of loading and unloading a wide range of materials and weights
- › Servo motor driven up/down door with Allen Bradley Guardmaster safety switches
- › Raytools laser head for maximum precision and reliability
- › Dual gas delivery system enables assist nitrogen/oxygen changeover through software
- › Popular and easy to use CypCut control software
- › Wireless operator keypad/control handle, keyboard and mouse
- › Water flow switch in chiller to provide protection against failure of cooling system

Cut:

- › Stainless steel
- › Carbon steel
- › Silicon steel
- › Aluminium
- › Titanium
- › Galvanised steel
- › Zintec
- › Brass
- › Copper
- › Alloys
- › Electrolytic plate



LS3015 Fibre Metal Cutter specification:

Laser power: 1kW, 1.5kW, 2kW, 3kW, 4kW, 6kW

Max. Cutting speed: 40m/minute

Max. Acceleration: 0.5G

Max. cutting thickness (mm)*:

Carbon Steel: 1kW/12mm, 1.5kW/14mm, 2kW/18mm, 3kW/22mm, 4kW/25mm, 6kW/25mm

Stainless Steel: 1kW/5mm, 1.5kW/6mm, 2kW/8mm, 3kW/10mm, 4kW/12mm, 6kW/14mm

Aluminium: 1kW/3mm, 1.5kW/5mm, 2kW/6mm, 3kW/8mm, 4kW/8mm, 6kW/12mm

Non-Ferrous: 1kW/3mm, 1.5kW/4mm, 2kW/6mm, 3kW/8mm, 4kW/8mm, 6kW/12mm

Cutting area: 3000mm x 1500mm

Laser source: IPG / Raycus / MAX / NLight

Location precision: ±0.01mm

Drive system: Yaskawa (Japan) servo motors

Optics: Raytools auto-focus cutting head (exact model depending on laser power)

Mounting: Free standing

Cooling method: Separate closed-circuit water chiller

Bed access: Servo motor driven up/down door

Fume extraction: Separate air extraction system supplied (Optional self-contained fume filter system available)

Software: CypCut

Preferred file type: .dxf, .pl

Operating system support: Professional on-board computer

Power supply: 380-415V 3 phase

Machine dimensions (mm):

- › 4911 wide x 2280 deep x 2131 high Up/down door requires 800mm clearance to open. Loading/unloading table requires 955mm to fully extend
- › **Machine weight:** 4550kg
- › **Maximum bed load:** 800kg
- › **Cabinet safety:** Full protective enclosure with CE marked safety switches

Warranty:

- › 12 months onsite excluding consumables

Please contact HPC Laser for further advice and to discuss your exact requirements.

* Any maximum cutting thicknesses are indicative only and not guaranteed

Optional Extras:

- › Laser power upgrades available for faster speeds and thicker materials
- › AD2000 IQ BOFA Fume Filtration System
- › Additional bespoke safety features are available upon request (light curtains, pressure mats etc)

Laser source selection:

- › HPC Laser have multiple laser source and power options available depending upon the nature of your target materials. Permanent damage to the laser source can occur if incompatible materials are cut with any laser source.

