

## LS3015DB Fibre Metal Cutter

The LS3015DB fibre metal cutting laser machine is a large bed, compact design housed in a convenient protective enclosure and with a dual table arrangement for easy loading and unloading of sheet material and finished parts. Available with laser powers from 1kW to 20kW 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 working area for optimal safety and efficient fume extraction

Available with a choice of laser sources from 1kW to 20kW

Onboard CCTV with live operation footage fed to integral monitor

Automatic focus adjustment much faster and accurate than manual adjustment

Rear mounted exchange table arrangement to enable loading/unloading whilst machine is operating

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

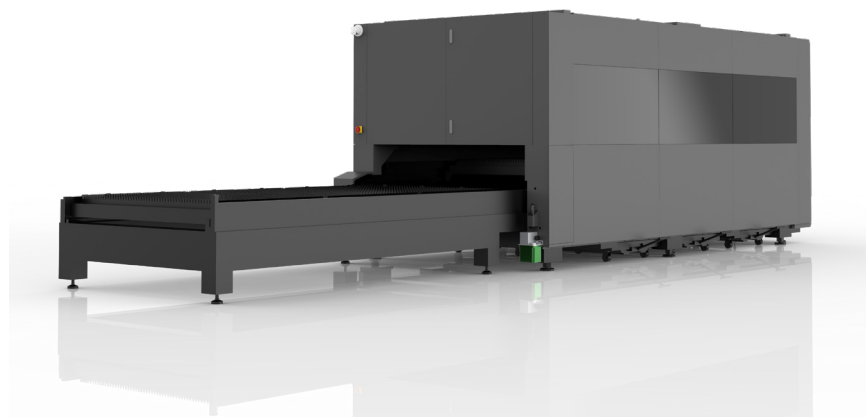
Popular and easy to use CypCut control software

Wireless operator keypad/control handle, keyboard and mouse

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

### CUT:

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



## LS3015DB

<b>Laser power</b>	1kW	1.5kW	2kW	3kW	4kW	6kW
<b>Max. Cutting speed</b>	40m/minute					
<b>Max. Acceleration</b>	0.5G					
<b>Max. cutting thickness (mm)*</b>	Cutting capabilities of other powers available upon request					
Carbon Steel	12mm	14mm	18mm	22mm	25mm	25mm
Stainless Steel	5mm	6mm	8mm	10mm	12mm	14mm
Aluminium	3mm	5mm	6mm	8mm	8mm	12mm
Non-Ferrous	3mm	4mm	6mm	8mm	8mm	12mm
<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>	Yaskawa (Japan) servo motors					
<b>Optics</b>	Raytools auto-focus cutting head (exact model depending on laser power) Free					
<b>Mounting</b>	standing					
<b>Cooling method</b>	Separate closed-circuit water chiller					
<b>Bed access</b>	Rear mounted exchange table arrangement					
<b>Bed changeover time</b>	10-15 seconds (adjustable)					
<b>Fume extraction</b>	Separate air extraction system supplied (Optional self-contained fume filter system available)					
<b>Software</b>	CypCut					
<b>Preferred file type</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>	8000 long x 4080 wide x 2490 high (width includes allowance for separate electrical cabinet, water chiller and extraction fan)					
<b>Machine weight</b>	from 5750kg					
<b>Cabinet safety</b>	Full protective enclosure with CE marked safety switches					
<b>Warranty</b>	12 months on site excluding consumables					

### OPTIONAL EXTRAS:

Laser power upgrades available for faster speeds and thicker materials

Fume filtration system

Additional bespoke safety features are available upon request (light curtains, pressure mats etc)

Magazine sheet feed system (can be retrofitted)

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

\*Any maximum cutting thicknesses are indicative only and not guaranteed