

LS1390 Fibre Metal Cutter

The LS1390 fibre metal cutting laser machine is a small, compact design housed in a convenient protective cabinet for maximum operator safety. Available with laser powers from 500W to 4kW 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, Panasonic servo control and a state-of-the-art computer system it is cleverly engineered for maximum flexibility and convenience.



MACHINE FEATURES:

Fully enclosed cabinet system for optimal safety and fume extraction

500W as standard, with upgrades of up to 4kW 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

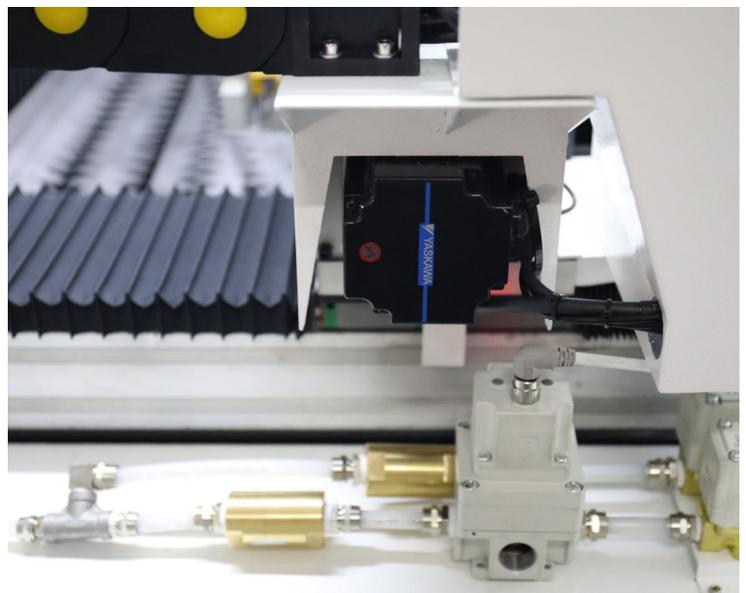
Water flow switch in chiller to provide protection against failure of cooling system

Chiller based laser source cooling system

Panasonic Servo Control and Schneider electrical components for reliable quality

CUT:

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



LS1390

Laser power	500W	750W	1kW	1.5kW	2kW	3kW	4kW
Max. Cutting speed	40m/minute						
Max. Acceleration	0.5G						
Max. cutting thickness (mm)*							
Carbon Steel	6mm	8mm	10mm	14mm	16mm	20mm	22mm
Stainless Steel	3mm	4mm	5mm	6mm	8mm	10mm	12mm
Aluminium	2mm	2mm	3mm	5mm	6mm	8mm	8mm
Non-Ferrous	2mm	2mm	3mm	4mm	6mm	8mm	8mm
Cutting area	1300mm x 900mm						
Laser source	IPG / Raycus / MAX / NLight						
Location precision	±0.01mm						
Drive system	Panasonic 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)	2150 wide (+450 for monitor) x 2100 deep x 1900 high (2250 with door open)						
Machine weight	1500kg						
Cabinet safety	Full 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 - 750W, 1kW, 1.5kW, 2kW, 3kW and 4kW
AD2000 IQ BOFA Fume Filtration System