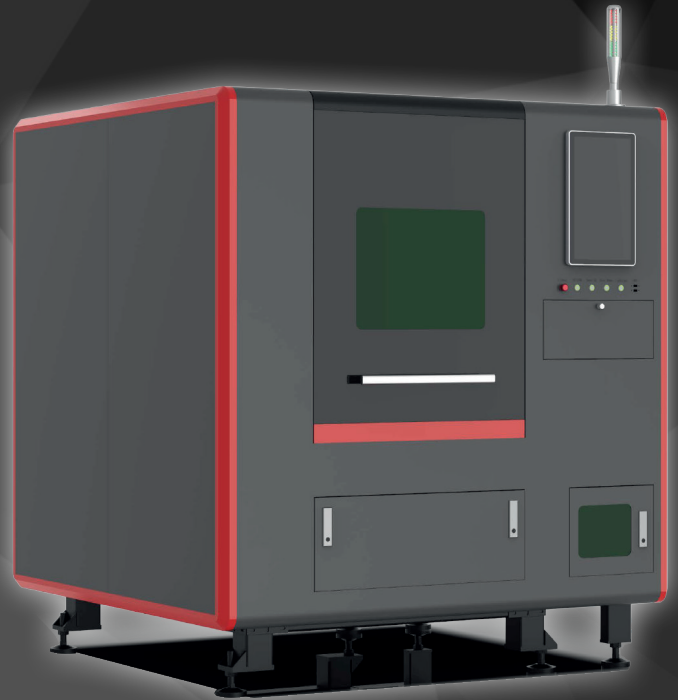


LS0640 Fibre Metal Cutter

The LS0640 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 1kW 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, 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.

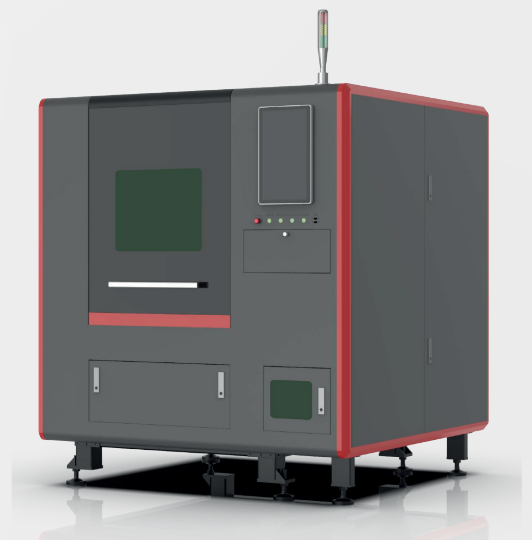


Machine Features:

- › Fully enclosed cabinet system for optimal safety and fume extraction
- › 1.5kW, 2kW, 3kW and 4kW available
- › Up to 100,000 working hours life for the fibre laser source
- › 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
- › 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 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



LS0640 Fibre Metal Cutter specification:

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

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

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

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

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

Cutting area: 600mm x 400mm

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

Access: Pneumatically 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

*Any maximum cutting thicknesses are indicative only and not guaranteed

Machine dimensions (mm):

➤ 1700 wide x 1660 deep x 2169 high (2732.50mm high with door opened)

➤ **Machine weight:** 1250kg

➤ **Cabinet safety:** Full protective enclosure with CE marked safety switches

Optional Extras:

➤ Laser power upgrades available for faster speeds and thicker materials

➤ AD2000 IQ BOFA Fume Filtration System

➤ Pneumatic clamps for securing thin materials

➤ Separate electrical cabinet to reduce overall size of main machine (useful for narrow access installations)

Warranty:

➤ 12 months onsite excluding consumables

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.

