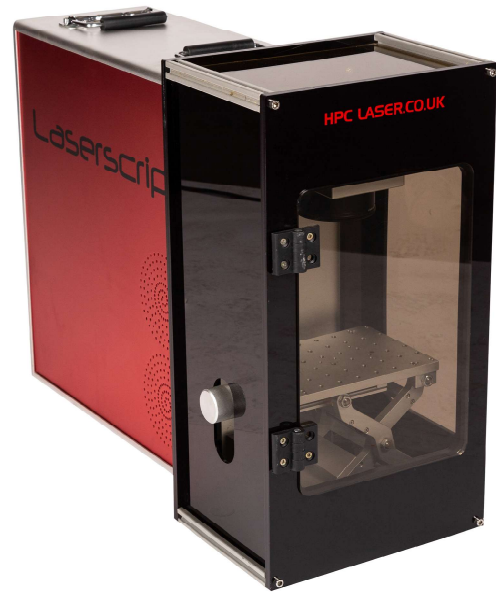


LS110 Fibre Engraver

The LS110 is capable of engraving uncoated metals (e.g. stainless steel) directly, without the need for a ceramic marking compound. It is available with multiple focus lens options which offer different marking areas and engraving resolution.

This class 1 laser enclosure can be manufactured to specific sizes and ensures that the laser beam is safely contained during normal operation. The machine is provided with a 12 month onsite warranty with the option to extend up to 3 years.



MACHINE FEATURES:

Class 1 laser system

30W as standard with a 50W power upgrade available

Multiple lens option available with typical marking areas of 110x110 mm and 220 x 220mm

Visible laser tracing to assist with component alignment

Precise Z axis adjustment table with drilled and tapped bed offering easy fitting of jigs and rotary engraving devices

High quality optics provide high accuracy, reliability and long life

Protective enclosure sized and manufactured to suit your requirements

Enclosure ensures optimal fume extraction and operator safety

Self-contained air-cooled laser source requires no additional water cooling

Further options available including fume filter and rotary attachment for engraving cylindrical items

Incredibly fast marking speeds of up to 3000mm/s

ENGRAVE:

Coated and uncoated metals

Aluminium

Brass

Copper

Precious Metals

Titanium

Carbides

ABS

Alloys

Some plastics



LS110

Laser power	30W	50W
Max. engraving depth	0.3mm Stainless Steel	0.5mm Stainless Steel
Laser wavelength	1064nm	
Marking speed *	3000mm/sec	
Mounting	Free standing floor mounted/benchttop	
Laser source	Solid State Raycus Fibre	
Cutting area	110 x 110mm 220 x 220mm	
Z axis (table height) adjustment	110mm manual	
Location precision	±0.002mm	
Cooling method	Self-contained Air Cooling	
Cooling system	Solid State	
Fume extraction	Separate air extraction unit (supplied) optional fume filter available	
Extraction hose	100mm flexible hose – 2 pieces 1500mm long each (supplied)	
Connectivity	USB	
Software	EZCAD	
Typical design software	Adobe Illustrator, AutoCAD, Corel Draw, 2D design	
Preferred file types	.dxf, .plt, .bmp	
Operating system support	Windows XP, 7, 8, 10	
Minimum character size	1.5mm x 1.5mm	
Power supply	220V (or 110V) +/- 10% 50Hz (or 60Hz)	
Machine dimensions (mm)	630 x 260 x 790mm	
Machine weight	90kg	
Machine interfaces	1 x USB	
	1 x mains power socket (power cable supplied)	
	1 x air extract connection to suit 100mm hose	
Cabinet safety	CE safety switches for lid and separately keyed main power switch for one-key operation	
Warranty	12 months on site excluding consumables	

*higher speeds are achievable but engraving quality may be reduced

OPTIONAL EXTRAS:

50W laser source upgrade

Laser fume filtration system for enclosed spaces

Rotary attachment