

LSE110 Fibre Engraver

The LSE110 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 has a fixed enclosure to ensure 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, 50W and 100W power options available
- › Multiple lens option available with typical marking areas of 110mm x 110mm and 220mm 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 for maximum operator safety
- › 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 metals
- › Aluminium
- › Brass
- › Copper
- › Precious Metals
- › Titanium
- › Carbides
- › ABS
- › Alloys
- › Some plastics



LSE110 Fibre Engraver specification:

Laser power:

LSE110-30: 30W MOPA-100: 100W

LSE110-50: 50W

Max engraving depth Single pass:

LS110-30: 0.3mm (stainless steel)

LS110-50: 0.5mm (stainless steel)

MOPA-100: 0.5mm (stainless steel)

Laser wavelength: 1064nm

Max engraving speed*: 3000mm/sec

Mounting: Free standing floor mounted/
benchtop

Laser source: Solid state raycus fibre

Engraving area: 110mm x 110mm or
220mm 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: 0.3mm

Power supply: 220V (or 110V) +/- 10% 50Hz
(or 60Hz)

*higher speeds are achievable but engraving quality may be reduced

Dimensions:

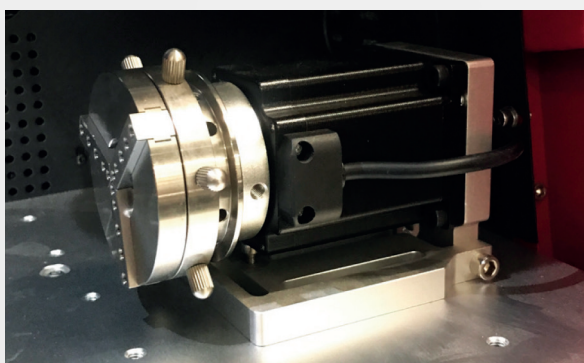
- **Machine:** 850(l) x 430(w) x 820(h)
- **Machine weight:** 90kg
- **Machine interfaces:** 1 x USB, 1 x mains power socket (power cable supplied), 1 x air extract connection to suit 100mm hose
- **Cabinet safety:** CE safety switches for lid and separately keyed main power switch for one-key operation

➤ Warranty:

12 months on site excluding consumables

Optional Extras:

- 50W laser source upgrade
- Laser fume filtration system for enclosed spaces
- Rotary attachment
- Foot switch



UK
CA CE