

# 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 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 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 specification:

**Laser power:** 30W & 50W

**Max engraving depth:** 30W 0.3mm stainless steel & 50W 0.5 stainless steel

**Laser wavelength:** 1064nm

**Marking speed\*:** 3000mm/sec

**Mounting:** Free standing floor mounted/ benchtop

**Laser source:** Solid state raycus fibre

**Cutting area:** 30W: 110mm x 110mm  
50W: 220mm x 220mm

**Z axis (table height) adjustment:** 110mm manual

**Location precision:**  $\pm 0.002$ mm

**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 60 Hz)

\* Higher speeds are achievable but engraving quality may be reduced

## Dimensions:

- › **Machine:** 630 high x 260 wide x 790 long
- › **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 onsite excluding consumables

## Optional Extras:

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



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CA CE