



Handheld Fibre Laser Engraver

The Handheld Fibre Laser Engraver (LSHE5055) is a handheld, portable, battery-operated Fibre Engraver capable of engraving uncoated metals without the need for a ceramic marking compound.

The unique viewing aperture allows for easy placement of your engraving over the material. This allows oversized materials to be engraved.



Innovative Features:

Lightweight & Portable Design:

Compact and lightweight construction makes the system easy to transport.

Flexible Working Area:

A 55 X 55 mm working area offers ample space for a wide range of engraving tasks.

Power Options Available:

50W comes standard, with a 30W option available to suit different marking and engraving requirements.

Visible Laser Tracing Assistance:

Built-in visible laser tracing helps accurately position and preview engraving areas, ensuring fast, precise setup.

Enhanced Readability & Reliability:

Excellent readability and durability, even after surface treatments such as anodising.

High-Precision Optics:

Premium optical components deliver exceptional accuracy, reliability, and long service life.

High-Speed Marking Performance:

Engineered for rapid marking speeds without sacrificing detail or quality.

Operator Safety Protection:

The innovative safety system allows engraving only when safety guard is in contact with target material.

Large-Item Engraving Capability:

Ideal for engraving larger items while maintaining consistent precision and performance.

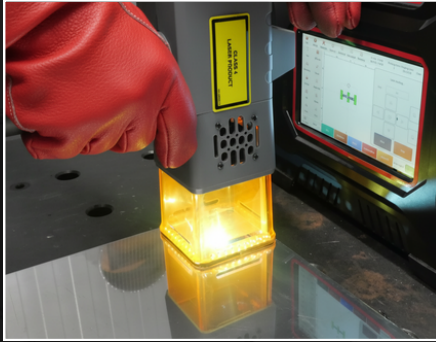
Powerful Engraving Capabilities:

- > Aluminium
- > Titanium
- > Brass
- > Carbides
- > Copper
- > Alloys
- > Precious metals

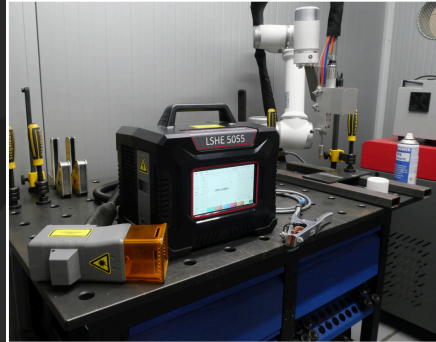


The built-in safety systems only allow materials to be processed when the head is in contact with the material.

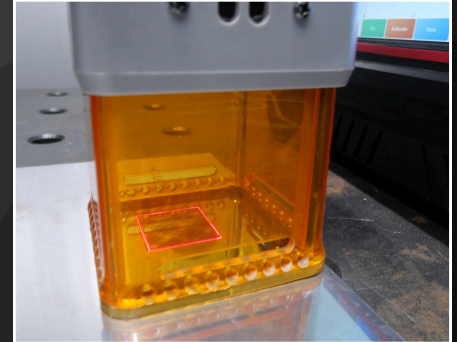
Due to its size and portability, the LSHE5055 is a good alternative for high-speed accurate engraving on metallic surfaces. Safety glasses are provided with the engraver.



**Fast Marking
Speeds**



Portable Design



**Visible Laser
Tracing**



USB Connectivity



**Touch Screen
Operation**



**Inbuilt Design
Software**

LSHE5055 specification:

- Laser Power: 50W (30W option available)
- Laser Type: Pulse 80–100ns
- Laser Wavelength: 1064nm
- Max. Engraving Depth (Single Pass): 0.2mm (Stainless Steel)
- Engraving Area: 50mm x 50mm (can be increased with a different lens and funnel arrangement 100mm x 100mm)
- Location Precision: ± 0.002 mm
- Minimum Character Size: 0.3mm
- Cooling Method: Self-contained air cooling
- Cooling System: Solid state
- Connectivity: USB
- Power Adjustment Range (%): 10–100
- Preferred File Types: .dxf .bmp
- Laser Class: IV
- Power Supply: 230V (or 110V) $\pm 10\%$, 50Hz (or 60Hz)
- Power Supply Type: Power adaptor / Lithium battery
- Machine Dimensions: 300mm (L) x 210mm (W) x 280mm (H)
- Weight: 9kg
- Warranty: 2 years return to base (excluding consumables)
- Engraving capability: Can do sequential numbering, QR codes and import/engrave images