



SPECIALISE PRODUCTS

Customized Solutions Company

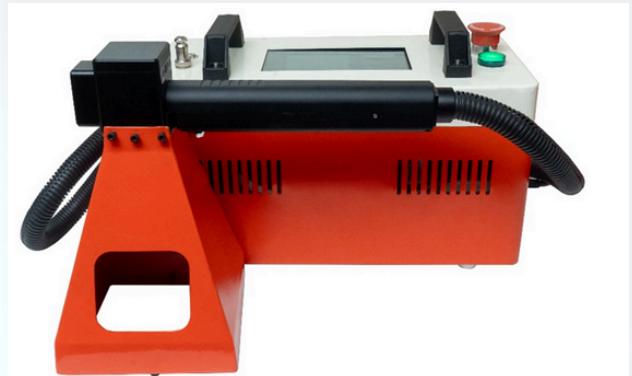
MICROCHANNEL FABRICATION MACHINE

• FEATURES:

- $\leq 100 \mu\text{m}$ Microchannel width and depth.
- Handheld Machine suitable for Metallic and Silicon substrate.
- Substrate size could be $100 * 100 \text{ mm}$.
- Pulse Fiber Laser based System.
- Compact.
- Non-Contact Microchannel Fabrication.
- Integrated Touchscreen.
- Weight of the Fabrication Head is less than 4 kgs.
- Weight of the Machine including Head and the Box is $< 15 \text{ kgs}$.
- Excellent precision and accuracy.
- Air cooled.
- Battery Operated (Optional).
- Service life $\geq 1,00,000$ hours
- Red alignment Laser
- Maintenance free.
- Low energy consumption
- Warranty 2 years (Standard)

• APPLICATIONS:

- Microchannel mould Fabrication
- Useful for Field use (on site)
- Easily transportable



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TECHNICAL SPECIFICATIONS

MODEL NO: SP2L-MC-FL-HANDHELD

| Parameter | Technical Specification |
|---|--|
| Microchannel size | Width of the microchannel $\leq 100 \mu\text{m}$ Depth of the microchannel $\leq 100 \mu\text{m}$ |
| Laser Type & Power | Long Life Fiber Laser; suitable for above Fabrication |
| Laser Lifetime | $\geq 1,00,000$ hours |
| Microchannel Fabrication Area | 100x100 mm |
| Marking Depth (Max) | ≤ 0.5 mm (multipass depends upon material) |
| Power Supply | 220 V + 10% / 50 Hz |
| Operating Temperature | 10° to 35°C |
| Software | Through Integrated Touch Screen |
| Fabrication Head | < 4 kg |
| Machine Weight including transportable case | < 15 kg |
| Warranty | 2 years (Standard) |
| Battery Option | Available |

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