

FIBER LASER SYSTEM



About Specialise Products

Specialise Products Private Limited is an Indian Original Design Manufacturer (ODM), who Conceptualise, Design and Manufacture Customized Machines as per customer's requirement.

Our Team has core competence in the field of Lasers, Quantum Optics, Fiber Optics, Spectroscopy, High Energy Physics, Opto Electronics and Customised solutions and Applications.

Fiber Laser System (30W) for Metal Marking Model No: SP2L-LEM/LMM-FL

Features

- Precise and accurate marking / engraving.
- Motorized X,Y and Z axis leading to better efficiency.
- Non-contact marking/ engraving.
- Material versatility.
- Permanent and durable marking.
- Software compatibility.
- Air-cooled system.

Applications

- Aerospace.
- Automotive.
- Medical Devices.
- Manufacturing & Industrial.
- Electronics.
- Consumer Goods & Personalization.
- Packaging & Pharmaceuticals.
- Arts, Crafts & Education.



Note: The above image is for representation purpose. The actual machine may vary.

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**Office # 706, Kamdhenu Commerz Premises Co-Op Soc Ltd, Plot # 2, Sector 14,
Kharghar 410210 (Navi Mumbai), RAIGAD, Maharashtra INDIA**

Fiber Laser System (30W) for Metal Marking

Model No: SP2L-LEM/LMM-FL



Technical Specifications

Parameters	Specifications
Laser Source	<ul style="list-style-type: none"> Fiber Laser (Air Cooled) Output Power: 30 Watt ($\pm 5\%$) Wavelength: 1064 nm Beam Quality (M^2): ≤ 1.8 Laser Source Life: Minimum 1,00,000 hours Frequency Range: 20–80 kHz or wider
Marking Area	<ul style="list-style-type: none"> Marking Field: Minimum 150 mm \times 150 mm F-Theta Lens: Suitable for 150 \times 150 mm Z-Axis: Manual with Scale
Performance	<ul style="list-style-type: none"> Marking Speed: Up to 7000 mm/sec Minimum Line Width: ≤ 0.01 mm Minimum Character Size: ≤ 0.2 mm Repeat Accuracy: ± 0.003 mm Marking Depth: Up to 0.5 mm (Depends on material)
Control & Software	<ul style="list-style-type: none"> Galvanometer based scanning EZCAD software File Formats: AI, PLT, DXF, BMP, JPG, PNG USB Interface Windows 10 / 11 compatible
Structure & Electrical	<ul style="list-style-type: none"> Desktop/Bench-top heavy-duty MS/Aluminium body 220V $\pm 10\%$, 50Hz Power Consumption: ≤ 800W Emergency Stop & Proper Earthing
Material Suitability	<ul style="list-style-type: none"> SS, MS, Aluminium, Brass, Copper, Titanium, Gold, Silver, Coated metals, Engineering plastics
On-site Training	<ul style="list-style-type: none"> 20 hours On-site training

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