

Laser Cutting Machine (Option of Fiber Laser and CO₂ Laser)

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

We already Conceptualised, Designed and Manufactured Laser Surface Texturing Machine, Laser Assisted 3D Bio Printer (**Patent Applied**), 3D Direct printer (no need for Filament, directly input your materials in Powder/Granules OR Semisolid form), Liquid (Drop on Demand) 3D Printer, Automatic Laser Exposure and Scanning System (ALES) to name a few. We are always eager to understand customer's pain points and provide customise solutions which are not available in the market.

Our Laser Cutting Machine have option to use Fiber Laser OR CO₂ Lasers. It's modular design, where machine can be upgraded based on sample material, size and power requirements.



Technical Specifications

Description	Laser Cutting Machine
Laser	Option for Fiber Laser and CO ₂ Laser.
Laser Power	20 W to 1000 W (depends upon Material to be processed)
Power control mode	From 10% to 100% (adjustment according to requirement)
Focussing Lens	Appropriate Focussing Lens with Fixed Focal Length
Sample Size	From 200 x 200 mm to 1500 x 1500 mm (other customized option available)
Material	Option to choose while ordering (factory set) – Metals, Acrylic, Leather, Textile, Glass etc
Supported Files	BMP, PLT, DXF, DST, JPG, GIF, PNG etc
Bed Levelling	Manual Bed Levelling.
Display	Minimum 4" colour touch screen display.
Structure	The machine is built with C or I section MS structure to provide a solid and stable structure which protects against vibration, resulting in better quality of cutting / engraving.
X Y Motion	Motorized, Accuracy \pm 20 μ m (per 100 mm movement)
Z Motion	Manual, Accuracy \pm 100 μ m (per 50 mm movement)
Connectivity	Ethernet LAN port, USB, SD Card
Power Consumption	< 2 KW
Cooling system	Inbuilt Air-Cooling System
Exhaust System	Inbuilt (to take out the fumes / particles etc)
Software	Included
Training & Installation	3 Days training will be provided to the concern person & team by Certified trainer
Warranty	Standard on-site comprehensive warranty for one year. Warranty extension as additional cost.

Model Number

Fiber Laser	Model # LCM_FL_XXXX	CO₂ Laser	Model # LCM_CO2_XXXX
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XXXX : in Watt