



INDUSTRIAL

LASERS



The Company

With headquarters in Ahmedabad , **Swastik Laser Technologies** provides superior Laser Marking, Laser Engraving, Laser Welding , Laser Cutting, Diamond Laser Sawing, Shaping, Buiting and 4P machines and software applications for the industry, serving both the domestic and international sectors. Our goal is to exceed the expectations of every client by offering superior product with outstanding customer service, increased flexibility, and greater value, thus improving operation efficiency.

Foundation of **Swastik Laser Technologies** was laid in the year 2011 (Formerly Known as Gurukrupa Laser Systems Established in 2005) with new vision and goals to provide expertise on customer oriented solutions with factory based at Ahmadabad.

As 26 years expertise in Machine manufacturing, **Swastik Laser Technologies** is involved in every stage of laser Machine manufacturing from implementation to completion offering continual functional and technical support. Our extensive skills encompass all aspects of implementation and operation, including client's specific requirements. Over 20 team members in the company, we are on-site at the client's locations providing functional and technical training and support, and resolving any and all troubleshooting issues that arise when the client initiates usage in a live setting. The focus of all our effort is better customer service, Which we always strive to achieve.

Swastik Laser Technologies also provides spares and accessories for almost all kind of Laser Systems.

Applications of Laser



Laser cutting



Laser welding



Laser marking



Laser engraving



Laser cleaning



Laser cladding



Product Range:

- ❖ Laser Marking Machine
- ❖ CO2 Laser Engraver & Cutter
- ❖ Dot Pin Marking Machine
- ❖ Laser Welding Machine
- ❖ Laser Cutting Machine



FIBER LASER MARKING MACHINE

Technical Specifications

LASER

Laser	Ytterbium Fiber Laser (Multi Diode EP)
Class	IV
Average Lase O/P Power	20 Watts (Optional – 30,50W)
Max. Peak Power	>8 kW
Wavelength	1060-1070 nm
Pulse repetition Rate	20-80 KHz
Pulse Width	100 ns
Typical Beam Quality	M ² ≤ 1.4
Mode of Operation	Pulsed
Pulse Energy @ 20 kHz	1 mJ
Rd Pointer for Positioning	Visible Red Light (636 nm)

MARKING

Marking Speed	up to 12000 mm/sec
Marking Fields	110(std.)/145/220mm ² (Optional)
Work Clearance	185/296/387 mm
Min. Character Size	0.22mm

ELECTRICAL

Power Connection	220V ± 10 V AC, Single Phase
Avg. Power consumption	< 1KVA

OTHER

Cooling Type	Air Cooled
Environment	Free from Dust, Oil, Mist & Other Contaminations (incl. Structure)
Temperature	10 to 40°C
Max. Weight	< 70 kg.

SOFTWARE

Windows 11/10/7/Xp OS; .PLT, .DXF, .BMP, JPG Compatibility Bar Code, 2D Matrix, Serial Number Marking, Automation Support.

Applications

AUTOMOBILE

Bearings, Piston, Piston Rings, Gears, Shafts, Valves, Brakes, Clutch, Liners, Cylinders, Piston Pins, Crankpins, Spark Plugs, Engine ID Plates, Nozzles, Joints, Filter & Filter Parts.

TOOLINGS

HSS, Carbide, Steel Tools, Wrenches, Diamond Tools, Drill Bits, Cutting Tools, Milling Cutters, Saw Blades, Dies & Taps, Gauges, Measuring Instruments, Calipers.

MEDICAL/SURGICAL

Orthopedic implants like Screws, Nails, Steel Rods, Clamp, Artificial Joints, Valves, Other surgical instrument etc.

ELECTRONICS

ICs, Capacitors, Epoxy & Ceramic Chips, Plastic Connectors, Transformer Tags, PCB, Switches, Igniters, Solenoid, Hybrid Biscuits, Earnings, Brooches, Pendants etc.

JEWELLERY

Jewellery Hallmarking Brand/Logo Marking on Gold, Silver & Platinum Bangles, Earrings, Brooches, Pendants etc.

COMMERCIALS / OTHERS

Cables, Connectors, Blades, Vanes, Pens, Buttons, Spectacles Frame, Awards & Plaques, ID Cards, Gift Cards, Appliances, Frames, Fashion Accessories, Solar Cell Scribing, Name plate marking etc...

DIE & MOULD ENGRAVING

2D Die engraving for coin, Mould Engraving, 3D Die engraving Dep text Emblem Engraving etc.

KITCHENWARE & BATH FITINGS

Cookware set, Knife, Spoon, Fork, Lemon Squeezer, Bathroom Taps, Faucets, Bathroom Fittings, Door, Window & Hardware.

Features

- ✦ Single Phase
- ✦ Air Cooled
- ✦ Inbuilt Guide Laser
- ✦ Maintenance Free - No optical Alignment
- ✦ Compact and Easy Integrity
- ✦ Expected MTTF (Diode) Life: Greater than 1,00,000 hrs

* Due to continuous improvement, product specifications may changed without notice.