





# INDUSTRIAL

# LASERS

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The Company

With headquarters in Ahmedabad, Swastik Laser Technologies provides superior Laser Marking, Laser Engraving, Laser Welding, Laser Cutting, Diamond Laser Sawing, Shaping, Bruiting 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 b er customer service, Which we always strive to achieve.

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























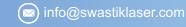




Laser cleaning











## **Product Range:**

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

# FIBER LASER MARKING MACHINE

E - mail: info@swastiklaser.com Visit: www.swastiklaser.com





# echnical Specifications

100 ns  $M^2 <= 1.4$ 

Pulsed

mJ

### LASER Laser

Class Average Lase O/P Power Max. Peak Power Wavelength Pulse repetition Rate Pulse Width Typical Beam Quality Mode of Operation Pulse Energy @ 20 kHz Rd Pointer for Positioning MARKING Marking Speed Marking Fields Work Clearance Min. Character Size **ELECTRICAL** 

### **Power Connection**

Avg. Power consumption

OTHER Cooling Type Environment

Temperature Max. Weight SOFTWARE Ytterbium Fiber Laser (Multi Diode EP)

IV 20 Watts (Optional - 30,50W) >8 kW 1060-1070 nm 20-80 KHz

Visible Red Light (636 nm)

up to 12000 mm/sec 110(std.)/145/220mm<sup>2</sup> (Optional) 185/296/387 mm 0.22mm

220V ± 10 V AC, Single Phase 1KVA

Air Cooled Free from Dust, Oil, Mist & Other Contaminations (incl. Structure) 10 to 40°C

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

< 70 kg.

# pplications

#### 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 FITIINGS

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

### eatures

Single Phase

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

## Swastik LASER TECHNOLOGIES Laser Marking Expert

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

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