



**SUSHREE**

AN ISO 9001:2015 COMPANY

SuShree Laser Pvt. Ltd



# FIBER LASER MARKING SYSTEM

- Surface Marking
- Depth Laser Engraving
- QR / Bar Code Marking
- Precision Marking
- Color Laser Marking
- Solar Cell Cutting

# Fiber Laser Marking System



SL-F Series is a complete compact Fibre Laser Marking System with class 4 enclosure for high speed, crisp, clear and consistent marking on nearly all metals and non metals, for flat or rotary surface. The system is integrated with pulsed fibre laser source using Master Oscillator Power Amplifier (MOPA) technology which is the most advanced and reliable laser source this fiber laser has the highest wall plug efficiency, and virtually no maintenance.

## ADVANTAGES OF FIBER LASER MARKING

- Highest wall plug efficiency compared to other laser technology available
- Power up to 100 watt in CW and Pulsed
- High beam Quality M2-1.6
- Laser Source life > 1,00,000 hrs
- High repetition rate
- Very stable and consistent repeatability
- Maintenance free operation with 1 year of unlimited usage warranty



## SYSTEM FEATURES

- SL F-series uses fiber Laser technology integrated with a precision beam deflection unit for marking on nearly all metals and nonmetals
- The system is compact, efficient and reliable providing the customer lowest cost of ownership
- The excellent beam quality and stability, integrated with a precision beam deflection unit enables SL series to provide high resolution, fast and clear marking in variety of material.
- The system includes auto height adjustment Z axis system, Rotary Axis (optional) and laser marking Software allowing to produce marks of various types of shapes, design, barcodes, micro machining to produce die.
- SL series is available in 5 power 20/30/50/100 watt and working area from 100 mm to 300 mm



# Applications

## Jewelry



High precision Jewellery like Gold, Silver, Platinum use laser marking machine for HALL MARKING BSI Marking and other personalisation marking on it.

## Electronics



SL-series machine can mark perfectly with good contrast on your pigmented powder coated parts and Mark on microchip, capacitors, resistor, heat sink crystal or any other electronic component.

## Tools



SL series machine can do flawless marking and engraving on all kind of tools including carbide Standard and grinded tools with great quality.

## LED Bulb & Mobile Accessories



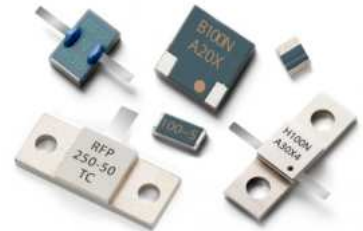
Laser marking can finely marking on LED Bulb, Tub-lights, LED panels, Flood and street lights, apart from lights all the mobile phone accessories including chargers.

## Automobile



SL series machines working in such high production in industry with high precision and fitness on all kind of autocrats with virtually no maintenance to the machine.

## Ceramics



Zirconia, BASO4. Alumina or any other ceramic SL series machine can do marking with all precision and consistent.

## Orthopedic



Precision surgical components requiring surface marking with or without depth. Let it be any shape and material, like Titanium, SS etc SL series marks nearly all metals with crisp and fine.

## Deep Marking



Deep marking or metal engraving can achieve upto 2 mm. Engraving on Die or casting SL Model can provide 2D engraving on all precision dies with highest precision.

## Commercial Goods



Mark anything like lighter, Pen, pen drives, visiting card holder nearly anything you can imagine or whatever the customer need to mark SL series model do marking on all material.

## Day & Night



Surface coating removal with extreme precision and with max transmission of light possible with highest speeds supported by Laser providing highest frequencies for application cover uses for car switches, mobile key pads etc

## Rotary



Mark on circumference of circular jobs, SLF software allows both dynamic and static mark with extreme incorporates Backlash free movement with gear reduction of 1.0001 providing extreme precision marks.

## Electrical & switch board



Electrical components line switch gears tops Electrical panels and Switch board. The software allows automatic day month, shift, change can be programmed, also barcode with readability and consistency.

# Laser Marking Machine Product Range



**Standard Laser Marking Machine**



**Flexible Mould Laser Marking Machine**



**Handheld Laser Marking Machine**



**Advance Laser Marking Machine**



**Compack Laser Marking Machine**



**Desktop Laser Marking Machine**



**Multihead Laser Marking Machine**



**Industrial Enclosure Laser Marking Machine**



**Automatic Laser Marking Machine**

# Automation

## Indexing



For maximum utilisation of time this rotary indexing mechanism will provide part mounting station which can be rotated as required and do marking.

## Rotary Axis



For parts like gauges, micrometer integrated be incorporated with pneumatic chuck with 3 jaw manual chuck or collect for rotary ads can be operated dynamic and static marking mode. It having both inward and outwards jaws for superior accuracy.

## XY Axis



XY as automation can be used for marking components bigger than marking field area The XY axis is driven by Micro stepping motor or AC Servo Motor and controlled by the marking software accuracy of 0.01 mm can be achieved These slides are made of precision ball screw with liner guide.

## Long Axis Travel



For extra long parts namely scales or multiple components this belt drive slide us a cheaper solution with accuracy up to 0.1 mm This can be also used as schedule or as linear indexer for multiple part handling

# Laser Spare



Laser Source



Control Card



GalVO



SMPS

# About Us

Established in the year 2007, as "Ajinkya Laser Impressions", and now renamed to "Sushree Laser Pvt. Ltd." are an illustrious firm engaged in Marking and Engraving Services in Maharashtra. We are capable of offering customized solutions of these marking services as per the variegated needs and requirements of the clients. These services are widely acknowledged in automobile parts, rotary making and tool & gauge manufacturing.

In 2015 we started manufacturing of Fiber Laser Marking Machines. We also manufacture an immaculate range of high quality labels and 4 color Aluminum Label printing. These labels are developed by our team members using superior grade material at our state-of-the-art manufacturing unit. All the services offered by us are suitable for diverse industrial applications and can be availed from us at industry leading prices.

