



LASER TECH
SYSTEMS AND SOLUTIONS

SERVICE BEFORE SALES

QuickMark Series

360 Degree Laser Marking Machine

COMPANY PROFILE:

Laser Tech Systems and Solutions was founded by Mr. Rajiv Kumar with a group of Technocrats in 2021, with the idea of creating a large umbrella organization to assist and serve the growing Indian Laser Industry and to help the market with its years of experience in the field of Lasers and its applications.

We represent many global manufactures, covering a wide range of solutions Laser Marking, Laser Welding, 2D Laser Cutting, 3D Laser Cutting, Laser Cladding, Laser Hardening. Our Laser Solutions can process a wide range of materials like Metal, Paper, Acrylic, Wood, Textile, Leather, Plastic and many more.

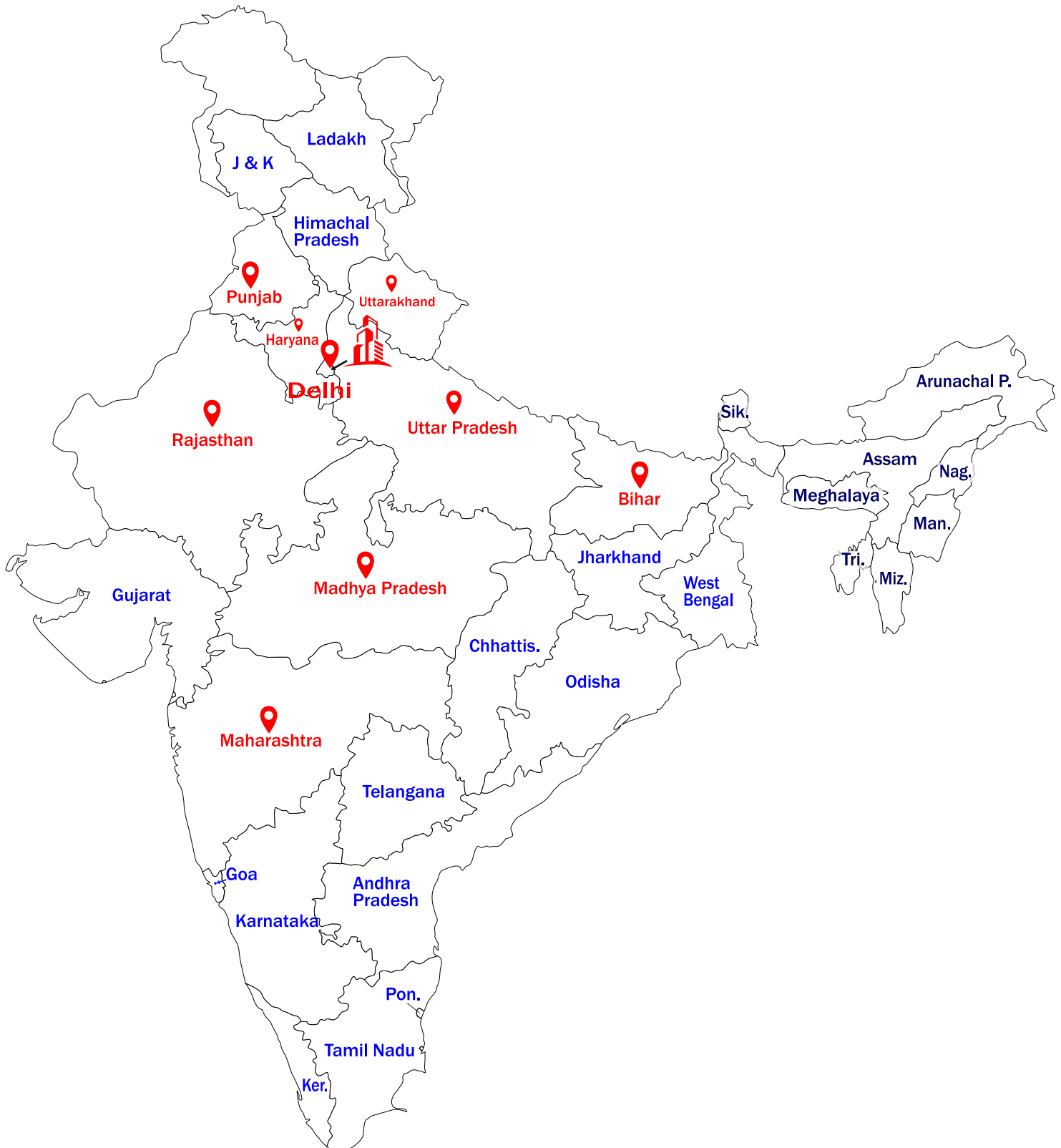
Our main aim is to serve our customers with cost effective and innovative solutions with our utmost know how of Applications and help them to fulfill their objectives.

Our aim is to provide the best solutions to all our customers with best systems and economical prices. We believe in **SERVICE BEFORE SALES**...We provide industrial solutions for Laser for Metals, non-metal laser cutting/engraving machines, Galvo based solutions, Laser Marking, Laser welding, 2D laser cutting, 3D laser cutting, Laser cladding etc.

LTSS Service and Support:

Laser Tech Systems and Solutions supports installation, commissioning, and training for its customers. Dedicated Laser Systems available for in-house demonstration, applications and software training. Specialized engineers are available to provide online and telephonic support.

*We proudly say that because of our team's dedicated efforts and our motto "**SERVICE BEFORE SALES**" we have a chain of happy customers related to various industries using our Laser machines in India.*



From the Galaxies of opportunity **QuickMark series** bring the best configured/Engineered machine for the apt applications of Laser Marking.

QuickMark Series - 360 degree Laser Marking machine

The newly designed compact 2D laser marking machine series is designed to deliver the optimum productivity with highest level of accuracy and versatility. The area varies from 100mm x 100mm to 300mm x 300 mm It adopts the most advanced fiber laser and high-speed scanning galvanometer system in the world. Fiber laser marker uses air cooling, which reduces the power of marking.

It has an overall small size, excellent beam quality, high reliability, long service life and maintenance free. So, it can to be used in fields with high requirements for mark depth, smoothness and fineness.



Note: Machine photos are for reference Purpose only. The machine model & colour may vary as per the availability.

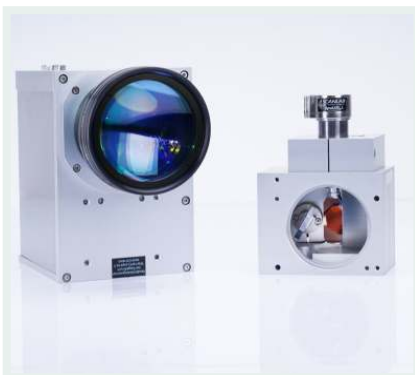
INGENIOUS DESIGN - FULL SHEET METAL BODY

The machine is completely made from the metal sheet, with optional full cover. This gives aesthetic look along with the stability over the years.

FEATURES & ADVANTAGES

Durable :

The laser module has a long service life (more than **100,000 hours**, while, the traditional lamp pump YAG has a service life of hundreds of hours and the semiconductor has a service life of **20,000 hours**).



COMPACT HEAD



DURABLE



HIGH SPEED

LOW CONSUMPTION

ZERO MAINTENANCE

EZCAD ORIGINAL SOFTWARE

QuickMark Series

360 degree Fiber Laser Marking Machine:-

Laser Tech Systems and Solutions offers newly designed 360 degree Laser Marking Machine with 360 degree rotation and movable column on z axis which makes marking very easy at any portion of the product irrespective of product size for laser marking. When it comes to large parts where it's not possible to put those parts on working table like big cylindrical item such as gas cylinders, Kitchen sinks, big table, this machine is very useful. The Trolley based machine is easy to move from one place to another especially for industrial production use.

ADVANTAGES OF LASER MARKING

- 360 degree rotation

360 Degree laser marking machines are designed with 360 degree rotation and movable column on z axis which makes marking very easy at any area of the product irrespective of product big size for laser marking like kitchen sinks, tables, cylinders

- Exceptional beam quality

The beam quality is incredibly high and can do marking at a higher recurrence than traditional innovation and with small detailing by having a control on the parameters. By using laser marking machine customers can perform Scribing operations, Surface Annealing and Etching very easily.

- FINE MARKING

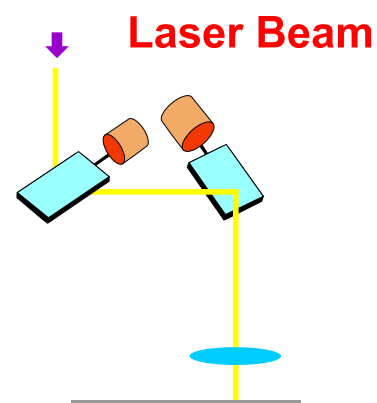
Lasers are capable of fine marking which inkjet marking can never perform. Laser marking is the best suitable choice for marking on microelectronic parts.

- EASY TO DESIGN AND CHANGE MARKING CONTENTS

The marking software is easy to use, so can design marks easily and can switch to other marks easily at your PC. Laser markers are suitable even for a small-volume production of diversified products.

- PRODUCTIVITY-IMPROVING & LABOR-SAVING

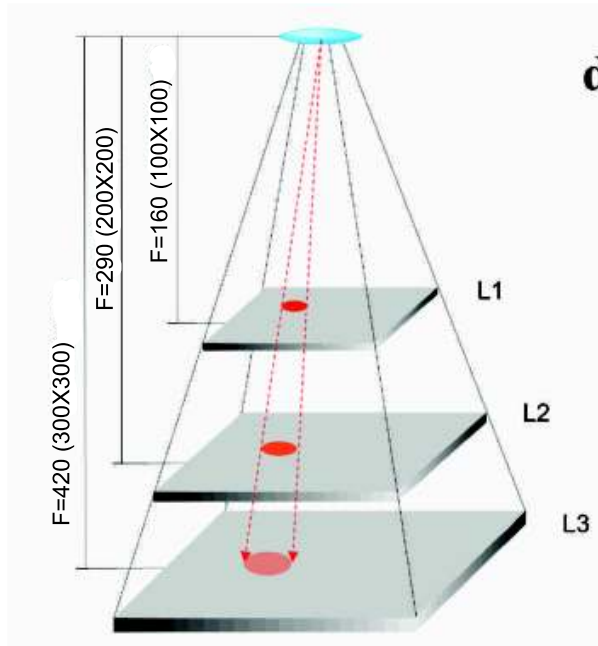
The high-speed marking contributes to improvement in productivity. Easy maintenance saves labor. Production line can be easily automated and operates unmanned even in the nighttime.



LASER MARKING VS CONVENTIONAL METHODS

Methods/Parameter	Laser Marking	Dot Pin	Chemical Etching	Ink Jet	Mechanical Stamp
Productivity	High	Poor	High	High	High
Quality / Durability	High	Low	High	Poor	High
Flexibility	High	Avg	Low	High	Low
Cost per part Variable	Low	High	High	Low	High

WORKING AREA SELECTION



Increasing :

1. Spot Diameter
2. Marking Speed
3. Marking area

Decreasing :

1. Power density

Working Area Range – 100mmX100mm | 200mmX200mm | 300mmX300mm

Power Available : 20W | 30W | 50W

SPECIFICATION

MODEL	F-20W	F 30W	F 50W
Output Power	<=20W	<=30W	<=50
Q Switch Frequency	20KHz-200KHz	20KHz-200KHz	20KHz-200KHz
Laser Beam Quality -M2	<1.2	<1.2	<1.5
Engraving Depth (subject to material)	<0.2mm	< 0.3mm	<0.5mm
Gross Power	500W	550W	600W
Voltage	AC 220V/110V 5A	AC 220V/110V 5A	AC 220V/110V 5A
Laser Wavelength	1064nm	1064nm	1064nm
Working Area	100mmX100mm	200mmX200mm	300mmX300mm
Repeatability	+/- 0.003		
Engraving Speed	6000-10000Ch/S		
Min Line Width	0.01 mm		
Marking Type Standard	Stationary		
Marking Type Optional	Stationary ON FLY ROTARY		
Cooling Method	AIR Cooled		
Cable length	3 Meter Standard		
Operating Temp	10-30 Deg		
Humidity	20% - 80%		

OUR SYSTEMS : Capabilities for laser engraving on metal have been utilized for diverse industries in the production of a wide variety of products such as:



AEROSPACE



AUTOMOTIVE



DENTAL



GIFT & CUSTOMIZATION



JEWELLERY



ELECTRONICS



SOLAR INDUSTRY



LIGHT & ELECTRICAL INDUSTRY

Laser Tech Systems and Solutions indulge into long time in laser industry and with our “KNOW HOW” experience the laser marking selection has become easier, the major challenge is always been right selection of machines.

OUR LASER ENGRAVING MACHINES FOR METAL CAN MARK ON SUCH SURFACES AS BELOW

Various grades of steel	Titanium	Brass	Nickel-plated materials
Stainless steel	Aluminium, Anodized Aluminium	Copper	Galvanized materials

PAINTED OR COATED MATERIALS

Surgical instruments	Firearms and accessories	Electronics	Cooking equipment
Construction tools	Cutting tools	Cutlery	Pipes, tubes, and valves
Drills	Automotive equipment	Kitchen appliances	HVAC systems

PLASTICS

ABS	Polyethylene	Glass Filled	Various Other Plastics
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PAINTED / COATED / ANODIZED

Anodized Aluminium	Painted Materials	Black Oxide	Various Other Coatings
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CARBIDE & SYNTHETICS

Carbide	PCD	Other Synthetic Materials
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PAINTED OR COATED MATERIALS



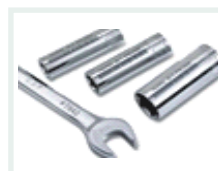
PAINTED / COATED / ANODIZED



PLASTICS



CARBIDE & SYNTHETICS



OPTIONAL ACCESSORIES



Induction Table



2D Marking Moving Table



Metal Cutting Fixture



3D Marking Moving Table



Rotary-Attachment



Conveyor Table



Enclosure Systems

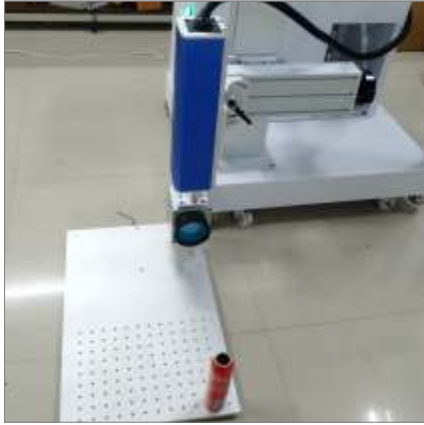


Industrial Fume Extractor



2D Electric Moving Table

Laser Marking Samples



Copper



Stainless Steel



Aluminium Etching



Sink



Brass



Acrylic



MS Engraving



Plastic



Stainless Steel

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SERVICE BEFORE SALES



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