LASER TECH

SYSTEMS AND SOLUTIONS

SERVICE BEFORE SALES

QuickMark Series

Fly 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.

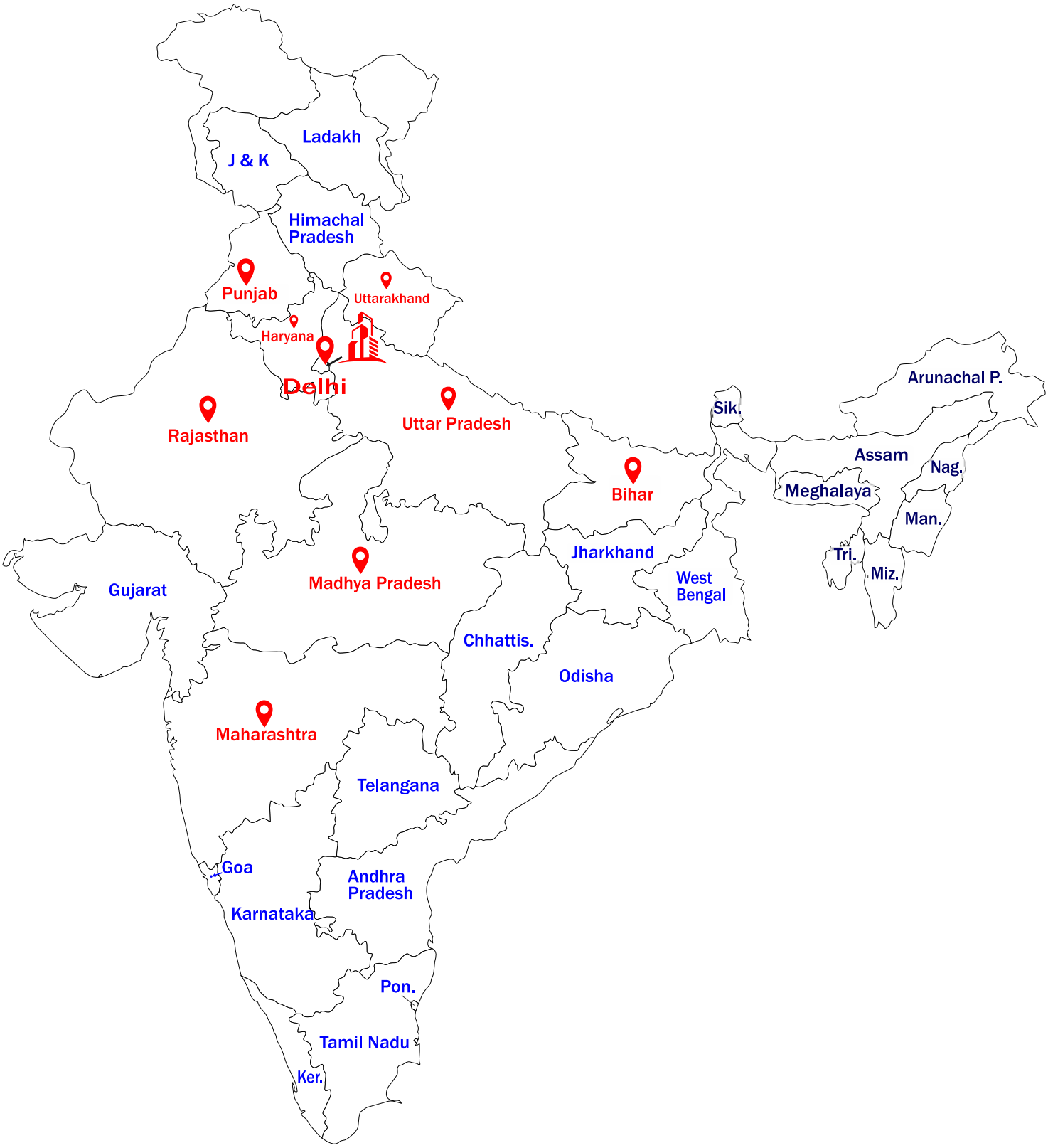
Our main aim is to serve our customers with cost effective and innovative solutions with our utmost know how of Applications and help them to fulfill their objectives.

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.



LASER TECH
SYSTEMS AND SOLUTIONS

QuickMark

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

QuickMark Series - Fly 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.

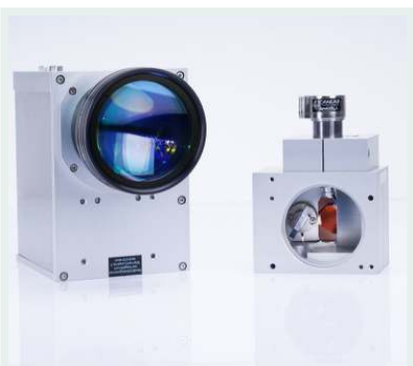
INGENIOUS DESIGN - FULL SHEET METAL BODY

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

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**).

FEATURES & ADVANTAGES



COMPACT HEAD	DURABLE	HIGH SPEED
LOW CONSUMPTION	ZERO MAINTENANCE	EZCAD ORIGINAL SOFTWARE

QuickMark Series

Flying Laser Marking Machine

The flying online laser marking machine is specially designed for assembly line marking and used with assembly line workbenches to realize mass production, save labor costs, and improve work efficiency. This machine is especially suitable for marking on product which is not easy to be positioned by hand, such as: electronic components, circuit boards, resistors and metal buttons. It supports functions such as automatic encoding, serial number, batch number, date, barcode, two-dimensional code, automatic number skipping, etc., to meet the needs of customers in different industries. Application for batch production and high marking precision in food packing and medicine printing.

ADVANTAGES OF LASER MARKING

• HIGH-SPEED MARKING

The continuous movement of the conveyor allows for rapid marking of products, making them well-suited for high-throughput production lines. This results in increased efficiency and faster overall processing times.

• EXCEPTIONAL BEAM QUALITY

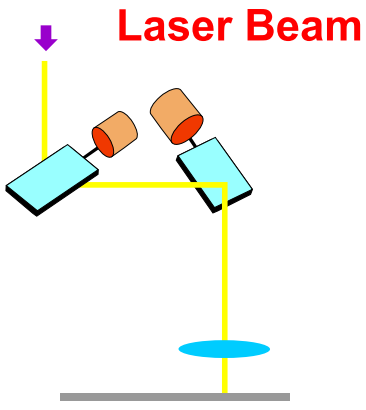
The beam quality is incredibly high and can do marking at a higher recurrence than traditional innovation and with small detailing by having a control on the parameters. By using laser marking machine customers can perform Scribing operations, Surface Annealing and Etching very easily.

• REDUCED DOWNTIME

The continuous, non-stop operation of flying laser marking machines contributes to reduced downtime in production. The ability to mark products on the fly eliminates the need for frequent stops and starts in the production line, optimizing efficiency and minimizing interruptions.

• 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.



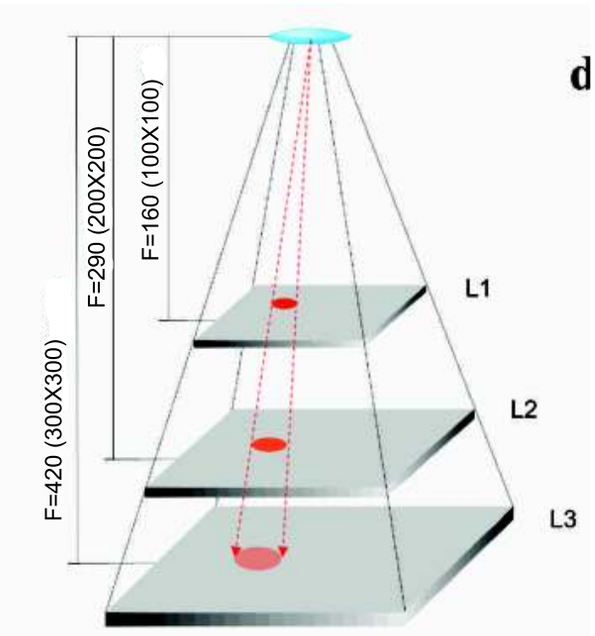
• PRODUCTIVITY-IMPROVING & LABOR-SAVING

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%		

LASER TECH
SYSTEMS AND SOLUTIONS

QuickMark

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

PAINTED / COATED / ANODIZED

Anodized Aluminium	Painted Materials	Black Oxide	Various Other Coatings

CARBIDE & SYNTHETICS

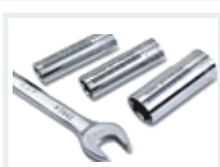
Carbide	PCD	Other Synthetic Materials

PAINTED OR COATED MATERIALS

PLASTICS

PAINTED / COATED / ANODIZED

CARBIDE & SYNTHETICS



OPTIONAL ACCESSORIES

Induction Table

2D Marking Moving Table

Metal Cutting Fixure

3D Marking Moving Table

Rotary-Attachment

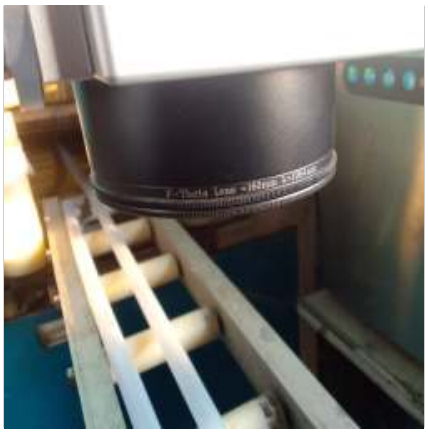
Conveyor Table

Enclosure Systems

Industrial Fume Extractor

2D Electric Moving Table

Laser Marking Samples



On Conveyor

PVC

Metal

Plastic

Carbon Steel

Acrylic

MS Engraving

Plastic

Stainless Steel

Laser Tech Systems and Solutions

SERVICE BEFORE SALES

LASER TECH
SYSTEMS AND SOLUTIONS

Office Address: B-3/280, Ground Floor, Sector-6, Rohini-110085,
New Delhi, India

+91 8851534795 +91 9013586621

www.lasertechsystems.co.in

info@lasertechsystems.co.in