Company Profile

About Us

Innotek Advanced Machineries is a manufacturer and supplier of industrial laser systems including **Fiber Laser Marking Machines, Fiber Laser Welding Machines, UV Laser Marking Machines, CO_2 Laser Marking Machines, Laser Cutting Systems, and Special Purpose Machines (SPM Automation Solutions).**

We serve automotive, engineering, sheet metal, fabrication, electrical, electronics, and general manufacturing industries with application-focused laser solutions designed for traceability, joining, and precision processing.

Systems are configured around real shop-floor conditions, material grade, thickness, cycle time, operator handling, and line integration. Emphasis is placed on consistent marking depth, controlled weld penetration, stable laser output, ease of maintenance, and dependable service support. Equipment is built for continuous production use and seamless integration into manufacturing environments rather than demonstration-based performance.

Installation and **service support is available across India**, with priority on quick engineer response, spare parts availability, and timely issue resolution to avoid production downtime.

Application-Focused Approach

Industrial buyers require consistent marking depth, weld penetration control, and stable performance over long production cycles. Our systems are selected and configured based on material type, thickness, production volume, and integration requirements. Whether it is stainless steel welding, aluminum joining, QR code marking, serial number engraving, or nameplate marking, solutions are aligned to practical shop-floor conditions.

Industries Served

- Automotive & Auto Components
- Electric Vehicle (EV) Components
- Sheet Metal & Fabrication Units
- Heavy Engineering & Machinery Manufacturing
- Medical Devices & Surgical Instruments
- Tool & Die Manufacturing
- Bearings & Gear Manufacturing
- Packaging Industry (Traceability & Coding)
- Electrical Panel Manufacturing
- Electronics & PCB Manufacturing

- Many others

Mission

To deliver reliable and application-oriented laser processing solutions that improve production efficiency, traceability compliance, and welding quality in manufacturing industries

Vision

To build a technically strong organization that supports Indian manufacturers with dependable laser technology, automation capability, and responsive after-sales support

Product Offering

Industrial Laser Systems for Production Environments

Manufacturing teams do not search for machines, they search for solutions that solve marking clarity issues, welding distortion problems, traceability compliance, or production bottlenecks. Our product range is structured around real industrial applications, not just specifications.

1. Fiber Laser Marking Machines

Permanent, High-Precision Marking for Industrial Traceability

Fiber Laser Marking Machines are designed for permanent marking on metals and selected engineering plastics where durability, clarity, and repeatability are essential. These systems are widely used in manufacturing environments that require part identification, traceability compliance, and long-term marking resistance against heat, oil, abrasion, and corrosion.

Fiber laser technology offers stable beam quality, low maintenance, and long service life, making it suitable for continuous production applications.

Available Power Options:
20W | 30W | 50W |100W

Applications:

- QR Code & Barcode Marking
- Serial Number & VIN Marking
- Tool & Component Identification
- Deep Engraving on SS & MS
- Mold & Die cavity marking
- Automotive Component Marking
- Electrical & Electronics Marking

Used In: Automotive & Auto Ancillary, Engineering, Tools, Fasteners, Electrical Panels, Heavy Fabrication, Bearing & Gears

2. Online Fly Laser (Fiber, UV, Co2)

High-Speed Marking for Moving Production Lines

Online Fly Laser Marking Machines are designed for continuous marking on products moving along a conveyor or production line. These systems mark in real time without stopping the product flow, making them suitable for high-volume manufacturing environments.

Available in **CO_2, Fiber, and UV laser configurations**, the system can be selected based on material type and application requirements

Key Applications

- Manufacturing Date & Expiry Date Marking
- Batch & Lot Coding
- QR Code & Barcode Marking
- Product Identification & Traceability
- Packaging Line Coding

3. Fiber Laser Welding Machines

For high-strength welding with low heat distortion

Fiber Laser Welding Machines are designed for precision metal joining where weld strength, clean finish, and reduced heat distortion are critical. Compared to conventional TIG or MIG welding, fiber laser welding offers higher speed, narrow heat-affected zones, and minimal post-processing requirements

Available Power Configurations

- **1500W** – Suitable for thin sheets and light fabrication work
- **2000W** – Balanced option for medium thickness materials
- **3000W** – Deeper penetration for thicker sections and structural applications

Power selection depends on material type, thickness, joint design, and production volume.

Material Compatibility:
Mild Steel | Stainless Steel | Aluminum | Sheet Metal Assemblies | Selected alloys (based on application testing)

Applications:

- Cabinet Fabrication
- Railings & Frames
- Automotive Parts

- Sheet Metal Structures
- Industrial Enclosures

4. UV Laser Marking Machines

For ultra-fine, heat-sensitive marking applications

UV Laser Marking Machines operate at a shorter wavelength, enabling high-precision marking with minimal heat impact. This makes them suitable for delicate, micro, and heat-sensitive components where conventional laser systems may cause burning, deformation, or surface damage.

UV laser technology is often preferred in industries where marking clarity, fine detail, and material integrity are critical.

Applications:

- PCB Marking
- Plastic Components
- Medical Devices
- Micro Components
- Electronic Parts
- Packaging & Consumer Products

5. CO_2 Laser Marking Machines

High-Speed Marking for Non-Metal & Packaging Applications

CO_2 Laser Marking Machines are designed for permanent marking on non-metal and organic materials. These systems are widely used in industries where product identification, branding, batch coding, and packaging marking are required on materials that are not suitable for fiber laser processing.

CO_2 laser technology operates at a wavelength highly absorbed by non-metal surfaces, making it effective for clean and high-contrast marking without direct contact.

Power Options:
35W | 55W

Material Compatibility:
Acrylic | Wood | Glass | Rubber | Leather | Packaging Materials | Plastics (PVC, PE)

Applications:

- Branding
- Date Coding
- Batch Coding

- Packaging Marking

6. Fiber Laser Cutting Machines

For precision cutting with consistent edge quality

Fiber Laser Cutting Machines are designed for high-speed and high-accuracy cutting of metal sheets and components. Suitable for fabrication units and manufacturing facilities, these systems provide clean edges, tight tolerances, and reduced secondary processing.

Fiber laser cutting is widely adopted where consistent dimensional accuracy and production speed are essential

Applications:

- Sheet Metal Fabrication
- Electrical Panel Manufacturing
- Industrial Component Cutting
- Customized Metal Parts

Genuine Spare Parts & Laser Components

Reliable Components for Consistent Machine Performance

Production downtime is often linked to delayed spare part availability or non-compatible components. To support uninterrupted operations, genuine and industry-supported laser spare parts are available with standard warranty coverage.

All components are compatible with industrial laser systems and suitable for both replacement and new machine integration

Available Spare Parts

1) **Fiber Laser Sources**

- MAX Laser Source
- IPG Laser Source
- JPT Laser Source

Available in multiple wattage options for marking, cutting and welding systems.

2) **Galvo Scan Head**: High-speed scanning heads for precise beam positioning and stable marking accuracy

3) **Control Cards**
    a. Laser Control Cards

b. Automation Control Cards

4) **Optical Components- Designed for consistent beam quality and marking precision**

- F-theta Lenses
- Focusing Lenses

5) **Power Supply -** Industrial-grade power supplies compatible with fiber and CO_2 laser systems

6) **Rotary Fixtures -** Rotary attachments for cylindrical part marking such as shafts, pipes, tools, and round components

Spare Parts Support

Availability of original spare parts ensures stable laser output, marking accuracy, and long-term machine reliability

- Genuine components with industry warranty
- Quick dispatch support
- Technical guidance for installation
- Compatibility verification before supply

Contact Info:

Call: +91-9022237419

Email – innotekmachines@gmail.com

Location:

Innotek Advanced Machineries:

Gat no. 119 shop no 2, Jyotiba Nagar, opposite Pandurang Krupa hotel Talwade, Pimpri Chinchwad,

Maharashtra- 411062

GST : 27AAHFI4944A1ZK