



TITAN LASER  
- BUILT ON TRUST  
& TECHNOLOGY

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*Deals in All Type of Laser Machine Manufacturing and  
Laser Machine Parts Supplier*

## Fiber Laser Marking / Engraving Machine



Laser Type: Fiber Laser  
 Laser Power: 20W / 30W / 50W / 60W / 100W / 200W  
 Working Area: 100x100 mm / 150x150 mm / 175x175 mm / 220x220 mm / 300x300 mm (Customized available)  
 Voltage: Single Phase 220-230V / 50Hz  
 Supported File Formats: PLT, DXF, BMP, JPG, PNG  
 Operating System: Windows Compatible

### Suitable Materials

All Types of Metals: Stainless Steel, Mild Steel, Carbon Steel, Aluminum, Brass, Copper, Bronze, Titanium, Nickel/Precious Metals: Gold, Silver, Platinum/Coated & Plated Metals: Powder Coated, Painted, Anodized Aluminum, Chrome Plated Materials/Plastics: ABS, PVC, POM, Nylon, Engineering Plastics

### Applications

Logo Marking, Serial Number & Batch Coding, QR Code & Barcode Marking, Nameplate Marking, Tool & Die Marking, Jewelry Engraving, Industrial Component Marking, Promotional Item Engraving



## Fiber Laser Customized Model



Laser Type: Fiber Laser (Raycus / JPT / IPG – Optional)  
 Working Area: 4x4 / 4x8 Feet Large Bed Size  
 Laser Power Options: 30W / 50W / 60W / 100W / 200W  
 Phase: Single Phase, 220V ±10%, 50Hz  
 Supported File Formats: PLT, DXF, BMP, JPG, AI, PNG  
 Operating System: EZCAD Software (Windows Based Control System)  
 Cooling System: Air Cooling System

### Applications

Elevator panel marking & design engraving  
 Stainless steel sheet marking  
 Decorative metal sheet engraving  
 Glass frosting & surface marking  
 4x8 ft large sheet customization work  
 Architectural & interior design engraving  
 Name plates & industrial panels



## Fiber Laser Welding Machine



Fiber Laser Welding Machine is designed for high-speed, strong, and precise welding of metal materials with minimal heat distortion and smooth finishing.

Laser Power: 1.5kW / 2kW / 3kW  
 Welding Type: Handheld / Automatic (Optional)  
 Welding Thickness (Approx.)  
 Mild Steel: Up to 6-8 mm (depending on power)  
 Stainless Steel: Up to 6 mm  
 Aluminum: Up to 4-5 mm  
 Cooling System: Water Cooling  
 Voltage: Three Phase  
 Suitable Materials : Mild Steel (MS), Stainless Steel (SS), Aluminum, Brass, Carbon Steel, Galvanized Sheet

### Applications

Sheet Metal Fabrication  
 Stainless Steel Furniture  
 Kitchen Equipment  
 Automotive Parts Electrical Cabinets

Metal Frames & Structures  
 ✓ High welding speed  
 ✓ Strong weld joints  
 ✓ Minimal heat distortion  
 ✓ Easy operation  
 ✓ Low maintenance



## Fiber Laser Cutting Machine (sheet Metal)



Laser Cutting Machine is designed for high-speed and precision cutting of metal sheets with excellent edge quality and low operating cost. Ideal for industrial fabrication and manufacturing units.

### Suitable Materials

Laser Type: Fiber Laser  
 Laser Power: 1.5kW / 2kW / 3kW / 6kW  
 Working Area: 1325 / 1530 / 2040 / 2060 (Customized available)  
 Control System: CNC Based  
 Voltage: Three Phase  
 Suitable Materials: Mild Steel (MS), Stainless Steel (SS), Aluminum, Brass, Copper, Carbon Steel, Galvanized Sheet

### Applications

Decorative & Signage Cutting  
 Sheet Metal Fabrication  
 Electrical Panels  
 Automotive Parts  
 Machine Components

✓ High cutting speed  
 ✓ Smooth edge finish  
 ✓ Low maintenance  
 ✓ High precision performance



## UV Laser Marking Machine



UV Laser Marking Machine is designed for high-precision and ultra-fine marking on sensitive and non-metal materials. It produces clean, high-contrast marking with minimal heat effect.

Laser Power: 3W / 5W / 10W / 15W  
 Working Area: 100x100 mm / 175x175 mm / 300x300 mm  
 Supported File Formats: PLT / DXF / JPG / PNG  
 Voltage: Single Phase

### Applications

Mobile & Electronic Parts Marking  
 PCB & Micro Component Marking  
 Medical Device Marking  
 Cosmetic Packaging Marking  
 Pharmaceutical Packaging

QR Code & Barcode Marking  
 Logo & Fine Text Engraving  
 ✓ Ultra-fine marking  
 ✓ No burning or deformation  
 ✓ High precision & stability  
 ✓ Ideal for delicate materials



## Online Flying Laser Marking



The Fly Model Online Laser Printing Machine is designed for high-speed production line marking with permanent, ink-free technology.

Laser Type Options : Fiber Laser / CO<sub>2</sub> Laser / UV Laser  
 Laser Power : Fiber: 30W / 60W / 100W  
 CO<sub>2</sub>: 30W / 60W  
 UV: 5W / 10W / 15W  
 Supported Formats : PLT / DXF / JPG / PNG  
 Marking Speed: Pipe: 150 – 200 meters/min (Depends on material)  
 Bottles: 180 – 200 BPM  
 Voltage : Single Phase  
 Suitable For : PVC & HDPE Pipes, Plastic Bottles, Cables & Wires, Packaging Materials, Cartons, Labels, Industrial Products

### Applications

Batch Number Printing, MRP & Date Coding, QR Code & Barcode Marking, Logo Printing, Variable Data Printing, Online Production Line Marking  
 ✓ Permanent marking  
 ✓ No ink or consumables  
 ✓ Low maintenance



## Co2 Laser Marking Machine



CO<sub>2</sub> Laser Marking Machine is specially designed for marking and engraving on non-metal materials. It provides clean, high-speed, and permanent marking for industrial and packaging applications.

Laser Power: 30W / 60W / 100W  
 Working Area: 100x100 mm/175x175mm/300x300 mm (Optional)  
 Supported File Formats: PLT / DXF / JPG / PNG  
 Voltage: Single Phase Suitable  
 Materials : Acrylic, Wood, MDF, Leather, Rubber, Paper & Cardboard  
 Glass, Ceramic, PVC, Packaging Materials

### Applications

- |                            |                                 |
|----------------------------|---------------------------------|
| Packaging Date Coding      | Rubber Stamp Making             |
| Batch Number Printing      | Decorative & Craft Work         |
| MRP & Expiry Date Marking  | ✓ High-speed marking            |
| Logo Engraving             | ✓ Smooth engraving finish       |
| Barcode & QR Code Marking  | ✓ Ideal for non-metal materials |
| Acrylic & Wooden Engraving | ✓ Low maintenance               |



## Co2 Laser Cutting & Engraving Machine

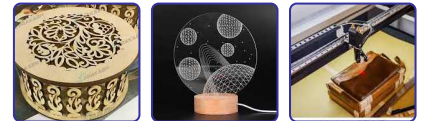


CO<sub>2</sub> Laser Cutting Machine is designed for high-precision cutting and engraving of non-metal materials. It is widely used in advertising, furniture, packaging, and craft industries.

Laser Power: 60W / 80W / 100W / 130W / 150W  
 Working Area: 600x400mm/900x600 mm/1300x900 mm/  
 1300x2500 mm (Optional sizes available)  
 Cooling System: Water Cooling  
 Control System: CNC / DSP Controller  
 Voltage: Single Phase  
 Suitable Materials : Acrylic, MDF & Plywood, Wood, Leather, Rubber,  
 Fabric, Paper & Cardboard, Plastic (Non-metal)

### Applications

- |                                 |              |                                  |
|---------------------------------|--------------|----------------------------------|
| Acrylic Letter Cutting          | Wooden Craft | ✓ Packaging & Prototype Cutting  |
| Cutting MDF & Furniture         |              | ✓ Smooth cutting edges           |
| Design Rubber Stamp             |              | ✓ High engraving quality         |
| Making Garment & Fabric Cutting |              | ✓ Low maintenance                |
|                                 |              | ✓ Ideal for non-metal industries |



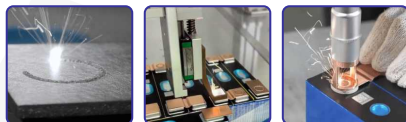
## Battery Laser Welding Machine



Model Type: Galvo Head Welding System / Nozzle Head Welding System  
 Laser Type: Fiber Laser Welding System  
 Working Area: Customized Fixture-Based System  
 Laser Power Options: 1500W / 2000W / 3000W (3kW)  
 Phase: Three Phase 380V  
 Supported File Formats: CAD Compatible  
 Operating System: CNC / PLC Controlled System  
 Cooling System: Industrial Water Chiller Cooling

### Applications

- Lithium Battery Tab Welding
- Battery Pack Assembly Lines
- Ev Battery Manufacturing
- Precision Thin Sheet Metal Welding
- Busbar Welding
- Copper & Aluminum Welding



## Die Mould Welding Machine



Laser Type: Pulse YAG Laser  
 Working Area: 600 x 600 mm (Microscope Based Precision Work Area)  
 Laser Power Options: 300W / 400W  
 Phase: Single Phase 220V / Three Phase (Optional)  
 Supported File Formats: Not Required (Manual Welding Operation)  
 Operating System: Touch Panel Control System  
 Cooling System: Water Cooling System

### Applications

- |                                 |                                   |
|---------------------------------|-----------------------------------|
| Mould & die repair welding      | ✓ High precision pulse welding    |
| Precision spot welding          | ✓ Minimal heat affected zone      |
| Tooling repair                  | ✓ Ideal for mould industry        |
| Injection mould maintenance     | ✓ Microscope-based accuracy       |
| Crack filling & edge rebuilding | ✓ Strong weld with low distortion |
| Fine metal component repair     | ✓ Stable watercooled performance  |

## Letter Welding Machine



## Jewellery Cutting & Engraving Machine



Jewellery Engraving & Cutting Machine is designed for high-precision engraving and fine cutting on gold, silver, platinum, and other precious metals. Ideal for jewellery manufacturers and workshops requiring detailed and permanent marking.

Laser Type: Fiber Laser / UV Laser (Optional)  
 Laser Power: 20W / 30W / 50W / 60W / 80W / 100W  
 Working Area: 100x100mm/150x150mm/175x175mm/200x200mm  
 Supported File Formats: PLT / DXF / JPG / PNG  
 Cooling System: Air Cooling  
 Voltage: Single Phase 220V  
 Suitable Materials: Gold, Silver, Platinum, Brass, Copper, S. Steel

### Applications

- |                                    |                            |
|------------------------------------|----------------------------|
| Name Engraving on Rings & Pendants | ✓ High precision detailing |
| Logo Marking                       | ✓ Smooth & clean finish    |
| Photo Engraving                    | ✓ Permanent marking        |
| Hallmark Marking                   | ✓ User-friendly operation  |
| Fine Pattern Cutting               |                            |
| Custom Jewellery Design            |                            |



## Jewellery Laser Soldering Machine



Jewellery Laser Soldering Machine is specially designed for precision welding and repairing of gold, silver, platinum, and other precious jewellery items without damaging surrounding areas.

Laser Type: YAG Laser  
 Laser Power: 100W / 150W / 200W  
 Laser Wavelength: 1064 nm  
 Cooling System: Water Cooling  
 Microscope: High-Resolution Microscope with CCD (Optional)  
 Voltage: Single Phase  
 Suitable Materials: Gold, Silver, Platinum, Titanium, Stainless Steel, Brass

### Applications

- |                           |       |                           |
|---------------------------|-------|---------------------------|
| Ring Resizing & Repair    | Chain | ✓ Precise micro welding   |
| Repair Prong & Claw       |       | ✓ No damage to gemstones  |
| Welding Stone Setting     |       | ✓ Strong and clean joints |
| Repair Porosity Filling   | Micro | ✓ Low heat effect area    |
| Welding of Fine Jewellery |       | ✓ Easy operation          |



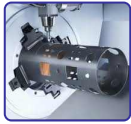
## Pipe Laser Cutting Machine



Laser Pipe Cutting Machine is specially designed for high-precision and high-speed cutting of round, square, and rectangular pipes with smooth edge finish and accurate results.

### Suitable Materials

Laser Type: Fiber Laser  
 Laser Power: 1.5kW / 2kW / 3kW  
 Pipe Length Capacity: Up to 6 meters (Optional customization)  
 Pipe Diameter Range: As per model specification  
 Control System: CNC Based  
 Voltage: Three Phase  
 Suitable Materials: Mild Steel (MS), Stainless Steel (SS), Aluminum, Brass, Carbon Steel, Galvanized Pipes  
 Suitable Pipe Shapes: Round Pipe, Square Pipe, Rectangular Pipe, Oval Pipe, Channel & Special Profiles



### Applications

Furniture Manufacturing  
 Automotive Components  
 Structural Fabrication  
 Fitness Equipment  
 Railings & Gates

## 3D Fiber Laser Engraving Machine



Laser Type: 3D Dynamic Focus Fiber Laser  
 Working Area: 150x150 mm / 300x300 mm  
 Laser Power: 30W / 50W / 60W / 100W  
 Phase: Single Phase 220V  
 Support File: STL, DXF, PLT, AI  
 Operating System: EZCAD 3 / 3D Marking Software  
 Cooling System: Air Cooling

### Applications

Deep engraving, embossing, mould engraving, curved surface marking, 3D logo engraving



## Applications



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