

## FIBER LASER MACHINES

PRECISION | PERFORMANCE | RELIABILITY



### 1 FIBER WELDING MACHINE

- High Welding Quality
- Stable Performance
- Easy Operation
- Wide Range Application



### 2 FIBER JEWELLERY MACHINE

- High Precision Marking
- Smooth & Fine Results
- Perfect for Jewelry
- Compact & Efficient



### 3 DESKTOP FIBER MACHINE

- Compact Desktop Design
- Easy to Use
- High Marking Speed
- Low Maintenance



### 4 FIBER MARKING MACHINE

- High Precision Marking
- Fast & Durable Marking
- Supports Multiple Materials
- Industrial Grade Performance

### MACHINE ACCESSORIES



SAFETY GOGGLES



POSITIONING TABLE



FOOT SWITCH



TOOL KIT



USB CABLE



USER MANUAL



HIGH PRECISION  
MARKING



RUGGED DESIGN  
BUILT TO LAST



EASY OPERATION  
LOW MAINTENANCE



RELIABLE SUPPORT  
WORLDWIDE

## INFITEK JEWELLERY LASER CUTTING & ENGRAVING MACHINE

The Infitek Jewellery Laser Cutting & Engraving Machine is a compact and high-precision solution specially designed for the jewellery industry. Engineered to deliver exceptional cutting and engraving quality, this machine is ideal for processing precious metals such as gold, silver, platinum, stainless steel, brass, and other fine materials with outstanding accuracy and speed.

### ➤ Applications/Material:

Copper, Aluminum, Stainless Steel, Iron, Hard Alloy, Chrome, Titanium, Gold, Silver Etc.



D-410, FOURTH FLOOR, SP, SQUARE, NR RAMOL POLICE STATION, AHMEDABAD - 382449.

E-MAIL: [sales@infitekclaser.com](mailto:sales@infitekclaser.com) web: [www.infitekclaser.com](http://www.infitekclaser.com)

Contact: +91 8140300050, 8511534914

## ➤ Technical Parameters

<b>Fiber Laser Power</b>	20W, 30W, 50W, 60W, 80W, 100W Galvo Type
<b>Co2 Laser Power</b>	30W, 50W, 80W, 100W Galvo Type
<b>Z-Axis</b>	Manual operated / Auto operated
<b>Marking Area</b>	70*70mm, 110*110mm, 150*150mm, 175*175mm, 200mm*200mm, 250*250mm, 300*300mm
<b>Co2 Laser Brand</b>	EFR, Reci, Davi
<b>Fiber Laser Brand</b>	IPG, Raycus, JPT, MAX
<b>Software</b>	Ezcad
<b>Graphics Format</b>	PLT, DXF, BMP, JPG, TIF
<b>Temperature</b>	Up to 32 degree C
<b>Input power</b>	AC 220V±22V 50Hz/60Hz 32A, Single Phase

## ➤ ACCESSORIES



**JEWELLERY MARKING & CUTTING MACHINE - PARTS DETAILS**

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## CLEANING PROCEDURE

					
<b>1. CLEAN THE LENS</b>	<b>2. CLEAN THE WORK TABLE</b>	<b>3. CLEAN THE Z-AXIS COLUMN</b>	<b>4. CLEAN THE CABINET</b>	<b>5. CLEAN THE BODY</b>	<b>6. CLEAN THE COOLING FAN</b>
Use air blower to remove dust from the lens. Use lens cleaning paper with lens cleaner gently.	Remove the fixtures and clean the working table with alcohol and soft cloth.	Use soft brush or cloth to clean the dust from Z-axis column and moving parts.	Power off the machine and use air blower to clean dust inside the control cabinet.	Wipe the machine body and doors with soft cloth to keep it neat and clean.	Clean the fan and ventilation area to keep proper airflow and avoid overheating.

## SERVICE PROCEDURE

					
<b>1. CHECK &amp; CLEAN LENS</b>	<b>2. CHECK TABLE &amp; FIXTURE</b>	<b>3. LUBRICATE MOVING PARTS</b>	<b>4. CHECK BELT &amp; ALIGNMENT</b>	<b>5. CHECK ELECTRICAL SYSTEM</b>	<b>6. CHECK COOLING SYSTEM</b>
Check the lens for dust or burn marks. Clean it carefully and install back properly.	Check the table flatness and fixture tightness. Ensure all screws and bolts are secure.	Apply recommended lubricant on Z-axis screw, linear guide and other moving parts.	Check the belt tension and alignment. Adjust if required for smooth operation.	Check all electrical connections, terminals, power supply and earth connection properly.	Check the cooling fan and airflow. Clean or replace the filter if required.

### MAINTENANCE TIPS

- Always power off the machine before cleaning or service.
- Use dry and clean tools for cleaning.
- Use recommended lens cleaner and lubricant only.
- Regular cleaning and service will extend machine life and maintain marking quality.



### RECOMMENDED SERVICE SCHEDULE

Task	Frequency
Lens Cleaning	Daily / As per use
Work Table Cleaning	Daily
Lubrication of Moving Parts	Every 15 Days
Electrical & Mechanical Check	Every 1 Month
Complete Machine Service	Every 6 Months

## MACHINE MATERIAL SAMPLE JEWELLERY MARKING & CUTTING MACHINE

### MARKING SAMPLES

 Gold Ring - 22K 916	 Silver Ring - 925	 Gold Pendant - Text Marking	 Silver Pendant - Logo Marking	 Gold Bangle - QR Code	 Silver Tag - Barcode
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### CUTTING SAMPLES

 Gold Sheet Cutting	 Silver Sheet Cutting	 Gold Design Cutting	 Silver Design Cutting	 Gold Love Pendant	 Silver Star Cutting
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### MATERIAL TYPES

 Gold	 Silver	 Copper	 Brass	 Stainless Steel	 Titanium
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### APPLICATION SAMPLES

 Ring Marking	 Bangle Marking	 Pendant Marking	 Earring Cutting	 Bracelet Marking	 Name Pendant Cutting
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