



MADE BY MEHTA, FOR THE WORLD

From 1 KW to 40KW

Mehta's Controller & Software

Based on **BECKHOFF** Hardware and
Ethercat Technology With IOT (Germany)

MEHTA

5th GENERATION
MACHINE

GLORIA FIBER LASER METAL CUTTING MACHINE

1000W / 1500W / 2000W / 3000W / 4000W / 6000W / 12000W / 20000W / 30000W / 40000W

BECKHOFF EtherCAT

TROOPER
CUTTING SOFTWARE

TROOPER
NESTING SOLUTION

INDUSTRY 4.0
(IOT)

ISO
9001
Certified



About Us

The excellent reputation in the global market

equipped with key components from well known genuine brand form U.S.A., Germany, Russia, China

Mehta Cad Cam has pioneered Laser, CNC & Digital Printing Technology applications in the wide diaspora of the Indian industry.

Constant innovations & Progressive investments over last 30 years makes Mehta Cad Cam the largest organization with three huge manufacturing plants & Head office in Ahmedabad. Over 22 branch offices across India, employing over 800 people and a developing distribution network world wide make Mehta Cad Cam the Market Leader.

Organization core values: Passion for Quality Service & Technology. Our in-house State of art R&D facility clearly shows our passion for quality which gives us cutting edge to our integrated automated manufacturing unit.

Our products include fiber laser metal cutting machines, laser welding machines, Co2 laser engraving & cutting machines, online and offline marking machines for various applications for wide range of fields in different industrials. At Mehta's we also provides solution for all robotics solutions for laser cutting, welding in co2 and fiber laser.

We at Mehta Cad Cam are committed to constantly develop products and its applications to serve customers by educating them of the new advancements in technology, thus enabling them to grow their business and stand competition across globe.

We have strategic partnerships and collaborations with key component manufacturers in Germany, USA, Russia, China, etc. The integration of these quality key components makes Mehta Cad Cam Systems products well known for its reliability and performance not only in India but across globe.

Spectrum of Services

Project consultancy

Pre installation support

Onsite Installation

Training

Machine optimization

Preventing maintenance support

Onsite trouble shooting

Remote assistance

Component repairing

Spare parts support

Your satisfaction, happiness and growth

GLORIA FIBER LASER METAL CUTTING MACHINE



Saving expensive metal sheet and saving total cutting time is most important to increase profitability and productivity. Our advanced Nesting and cutting software is the solution to both these requirements. This software will increase your programming efficiency, material utilization & cutting productivity dramatically.

The major advantage of Professional Nesting Software

Professional Nesting Software (Optional)

Import

- It can import any numbers of files at single time
- It can import DXF, DWG, CDL, IGES files
- Interactive mapping (geometry correction, string tags, layer mapping, multiple parts)

Nesting

- It can nest any numbers of sheets together
- It has a multiple nesting strategy
- Automatic common line nesting with multiple strategies.

Programming

- Multiple Cutting orders
- Part Avoidance, Auto Bridge, Auto tabs and auto chain
- Automatic cropping of remnant
- Common line strategies
- I-Pierce (for pierce reduction)

Other Advantages

- Can manage compensation from software itself (Kerf in computer)
- Can manage part library
- Multiple leading / Leadout options
- Sheet inventory management
- And many more...

Please contact at
92279 85721

Application Industries

Applied in Sheet

- **Metal Sheet Processing**
- **Aviation**
- **Aerospace**
- **Electronics**
- **Tube Fitting**
- **Automobile**
- **Food Machinery**
- **Textile Machinery, Precision Parts**
- **Ships**
- **Metallic Equipments**
- **Elevators**
- **Household Appliances Kitchen**
- **Utensils and Applications**
- **Craft Gifts**
- **Tool Processing**
- **Decoration**
- **Advertising**
- **Job Shops & Many other
Manufacturing Industries**

Range of Materials that can be cut

- **Mild Steel**
- **Stainless Steel**
- **Aluminum**
- **Brass**
- **Copper**
- **Galvanized Sheet**
- **Titanium & more**



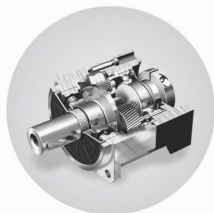
Cutting Heads



AC Servo Motors



High Precision Helical Rack and Pinion



Low Backlash, Noise Less, High Precision Gear Box



Heavy Duty Structure



Aluminium Extrusion Beam



Maintenance & Trouble Free Chiller

Machine Features

High quality rack & pinion, LM guide, gear box

effectively ensure laser cutting speed and accuracy.

Machine frame and worktable adopts integrated welding made as standard large machine after stress relief annealing, machining on plano miler and then the vibration aging treatment. These sequence of processing of frames makes it high strength, high precision and keep the normal use of 20 years without deformation.

X and Y axis equipped with A.C. servo motors and aluminum casted cross beam gives high precision, high speed, big torque inertia, performance stability and durability, guarantee the high speed and acceleration of the whole machine.

BS12K

High Power Smart Cutting Head

Light-duty design to improve the machine acceleration; smooth and high-efficient nozzle cooling gas circuit instead of the traditional way of using air and the air compressor, with optimized optics system and excellent nozzle cooling structure to improve the stability, quality, and efficiency in cutting steel sheet.

App Real-time Monitoring

Through WLAN, the monitored data can be read on the mobile terminal and CNC system.

Real-time Data Feedback

Various built-in sensors provide real-time data feedback in processing, such as temperature inside the cutting head of the cover glass and focus lens, temperature and humidity of the cavity, and the gas pressure, etc.

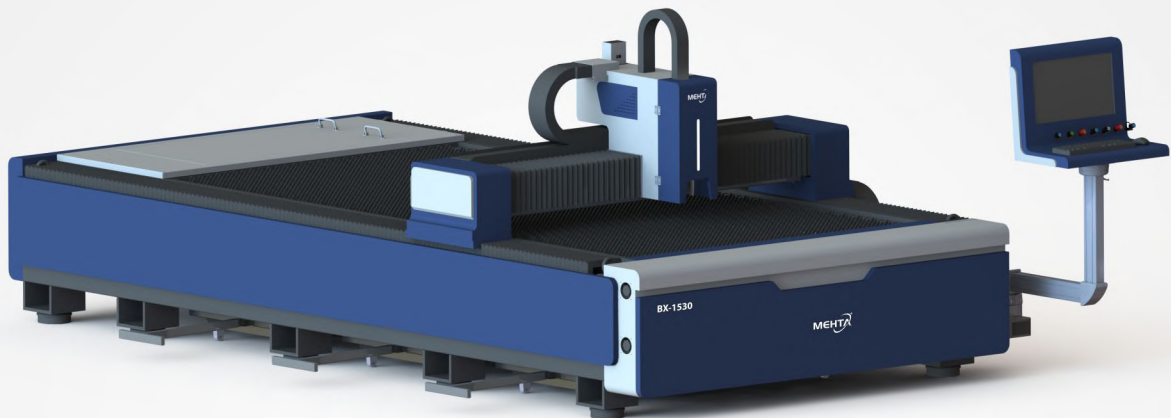




Gloria BX

For 1KW, 1.5KW, 2KW

BX-1530



BX-1530 TC



Working Area: Standard

1300 mm x 2500 mm

1500 mm x 3000 mm

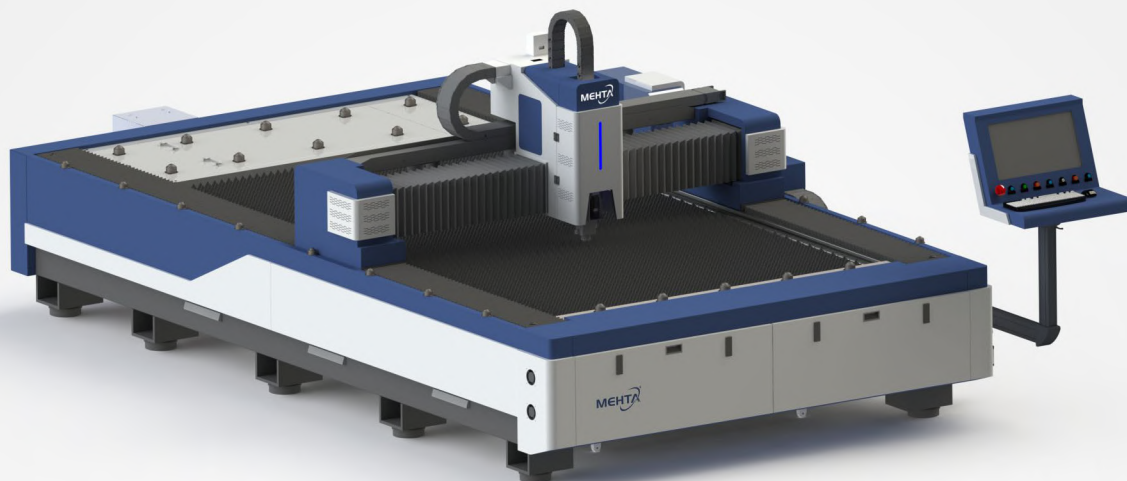
2000 mm x 4000 mm



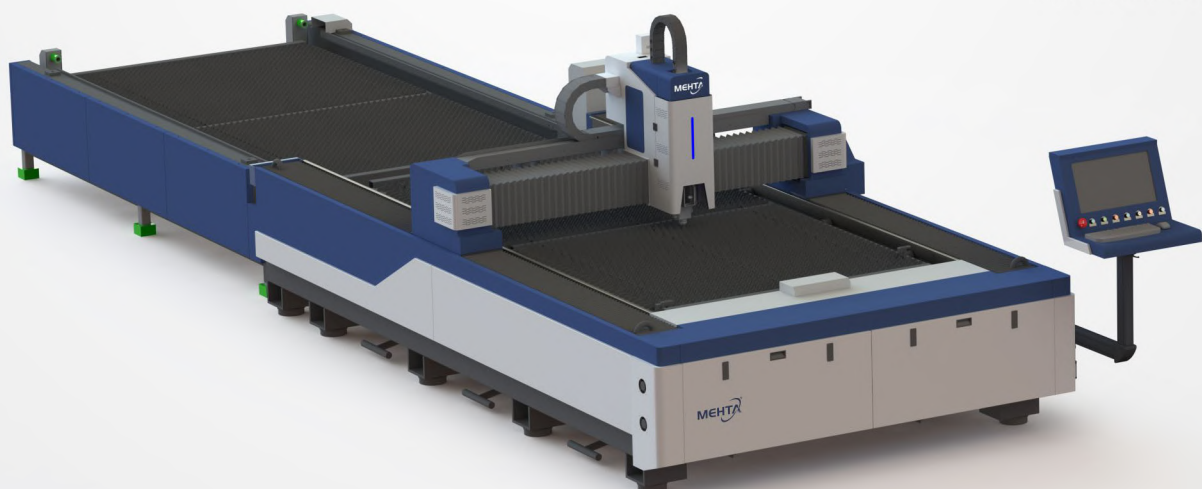
Gloria HX

For 2KW, 3KW

HX-1530



HX-1530 TC



Working Area: Standard

1300 mm x 2500 mm

1500 mm x 3000 mm

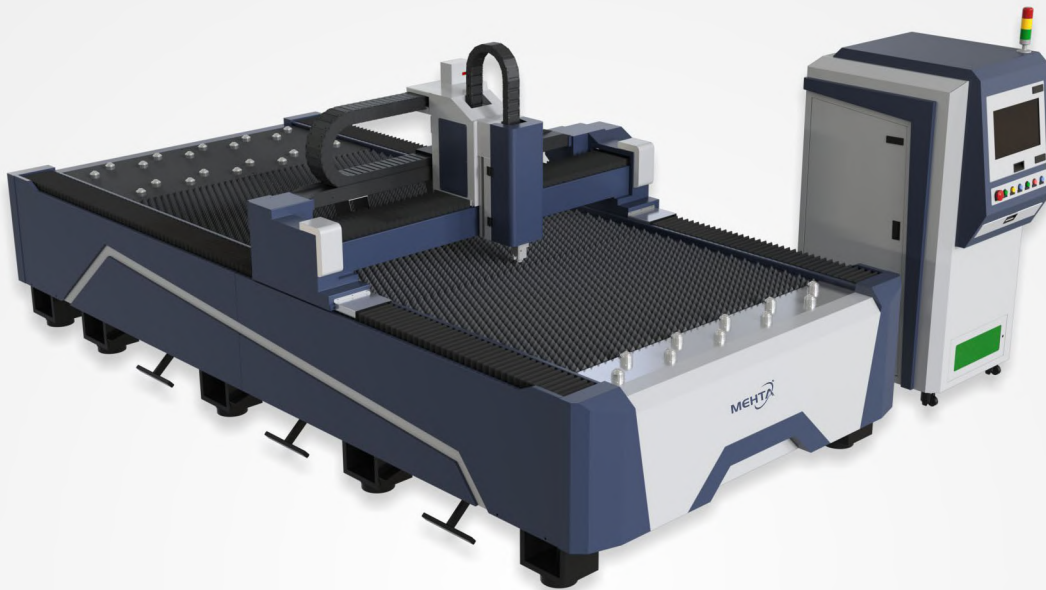
1500 mm x 4000 mm



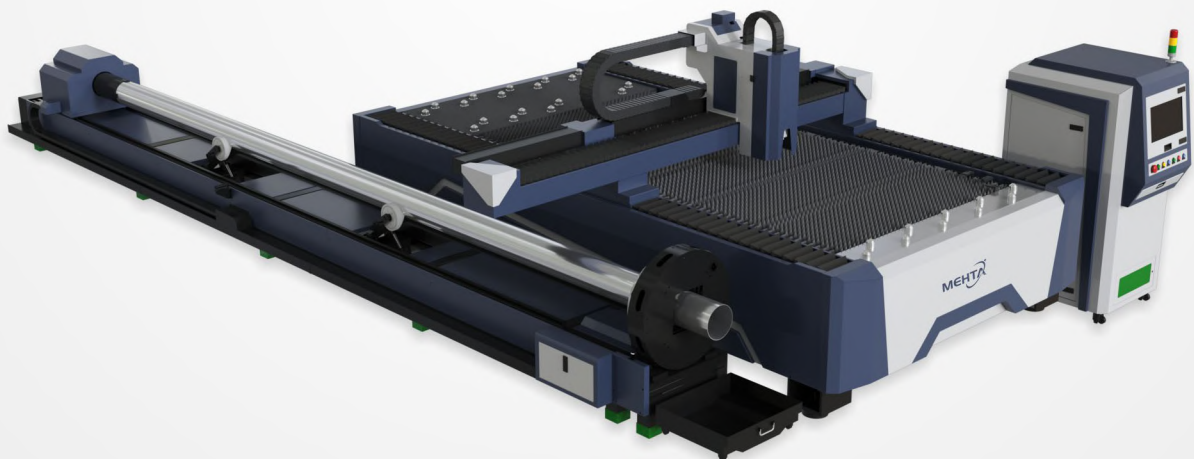
Gloria JX

For 3KW, 4KW, 6KW

GLORIA-JX 1530



GLORIA-JX 1530 R6



Working Area: Standard

1300 mm x 2500 mm

1500 mm x 3000 mm

2000 mm x 4000 mm

2000 mm x 6500 mm

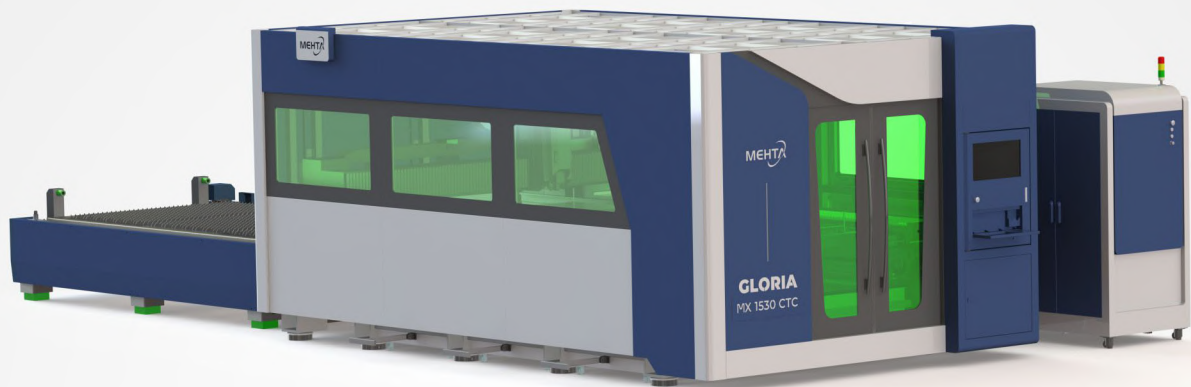
Any size can be manufactured as per customer's specifications.



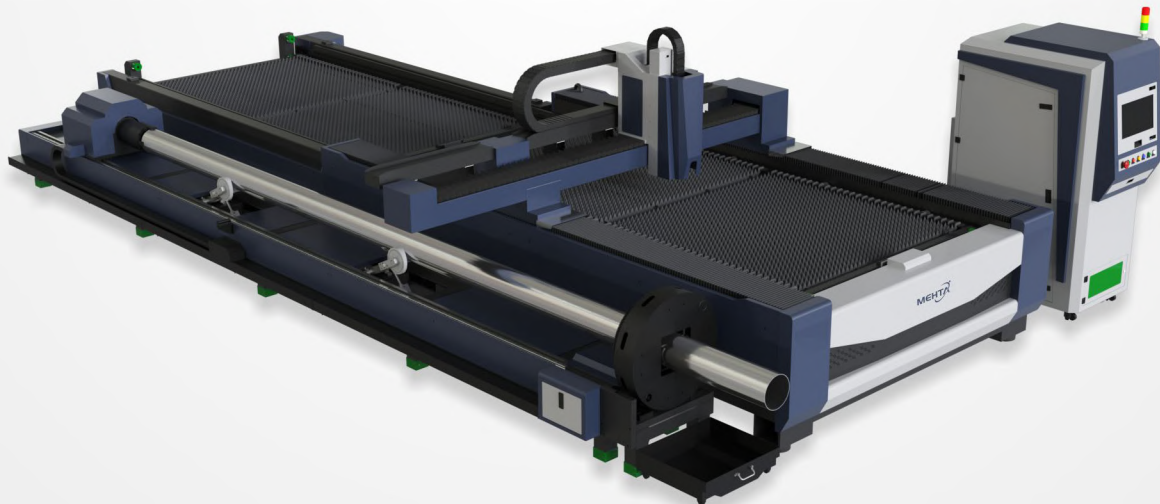
Gloria MX

For 12KW, 20KW, 30KW

GLORIA-MX 1530 CTC



GLORIA-MX 1530 TC-R6



Working Area: Standard

1300 mm x 2500 mm

1500 mm x 3000 mm

2000 mm x 4000 mm

2000 mm x 6500 mm

Any size can be manufactured as per customer's specifications.

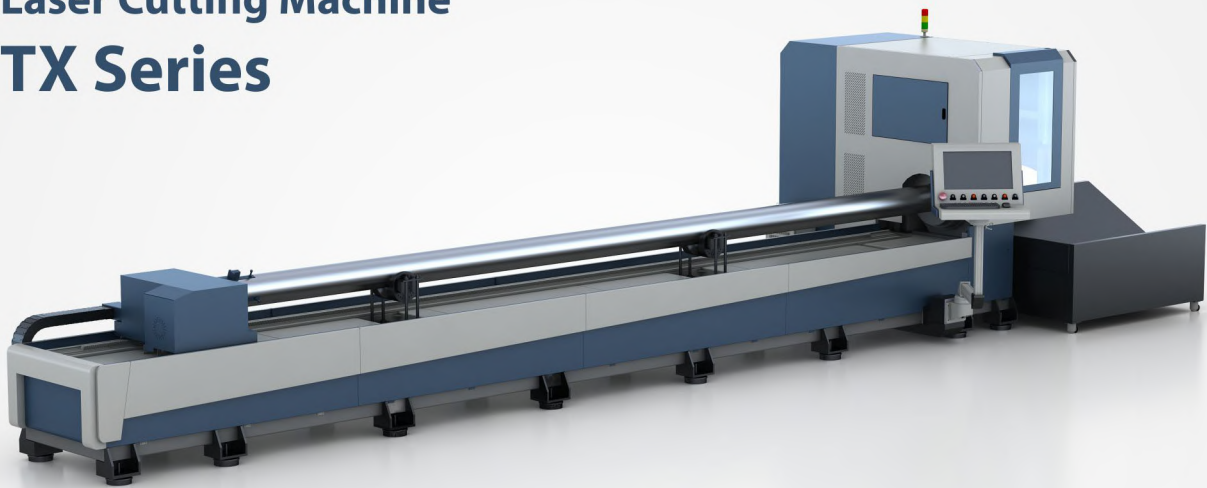


Gloria TX

For Upto 6KW

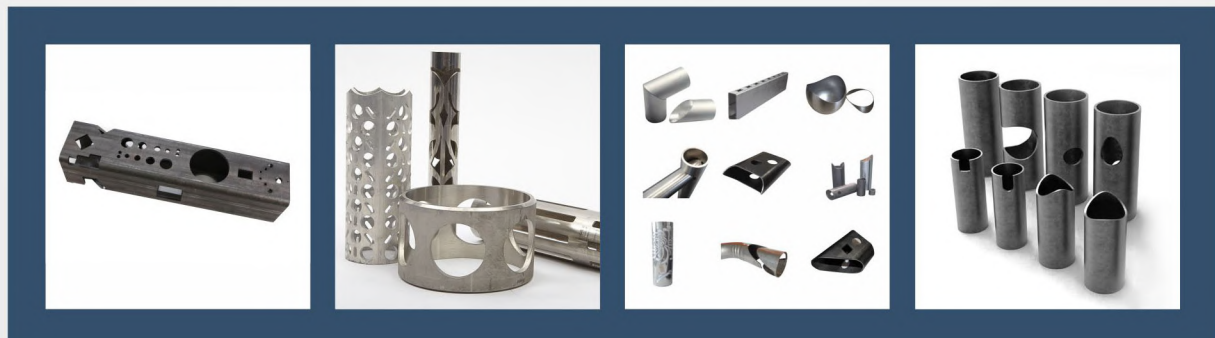
GLORIA-TX-L3 / L6
(3 mtrs x 6 mtrs)

Professional Tube Laser Cutting Machine TX Series



Tubes

Professional cutting of square tube, round tubes, rectangle tubes, D-shaped tubes, hexagon tubes, etc. Cutting capacity of; Square tubes: 20 mm x 20 mm to 200 mm x 200 mm; Round tube: 20 mm to 210 mm dia, thickness 0.5 mm to 10 mm carbon steel tubes & 0.5 mm to 10 mm stainless still tubes.



Specification

| Model | BX 1530 | HX 1530 | JX 1530 | MX 1530 |
|----------------------|-------------------|------------------|------------------|------------------|
| Working Area | 5 feet x 10 feet | 5 feet x 10 feet | 5 feet x 10 feet | 5 feet x 10 feet |
| Laser Source | 1KW / 1.5KW / 2KW | 2KW, 3KW | 3KW, 4KW, 6KW | 12KW to 30 KW |
| Laser Type | IPG / RAYCUS | IPG / RAYCUS | IPG / RAYCUS | IPG / RAYCUS |
| Laser Wavelength | 1080 nm | 1080 nm | 1080 nm | 1080 nm |
| Cutting Head | Raytools | Raytools | Raytools | Raytools |
| Max. Cutting Speed | 30 m/min | 40 m/min | 40 m/min | 60 m/min |
| Max. Traveling Speed | 70 m/min | 70 m/min | 120 m/min | 140 m/min |
| Position Accuracy | <± 0.04mm | <± 0.04mm | <± 0.04mm | <± 0.04mm |
| Minimum Line Width | < 0.12mm | < 0.12mm | < 0.12mm | < 0.12mm |
| Cooling System | Water Cooling | Water Cooling | Water Cooling | Water Cooling |
| Drives & Control | AC Servo Motor | AC Servo Motor | AC Servo Motor | AC Servo Motor |
| Working Voltage | AC 420V | AC 420V | AC 420V | AC 420V |
| Weight Approx. | 2.5 ton | 3.5 ton | 4.5 ton | 6.5 ton |

Gloria Machine Model No. List

| Model No. | Working Area | Description |
|------------------------|----------------|--|
| BX SERIES | | |
| Gloria BX-1325 | 1300 x 2500 mm | Laser Cutting Machine with 4 ft. x 8 ft. working area |
| Gloria BX-1530 | 1500 x 3000 mm | Laser Cutting Machine with 5 ft. x 10 ft. working area |
| HX SERIES | | |
| Gloria HX-1530 | 1500 x 3000 mm | Laser Cutting Machine with 5 ft. x 10 ft. working area |
| Gloria HX-1530TC | 1500 x 3000 mm | Laser Cutting Machine with 5 ft. x 10 ft. working area with Table Changing Facility |
| JX SERIES | | |
| Gloria JX-1530 | 1500 x 3000 mm | Laser Cutting Machine with 5 ft. x 10 ft. working area |
| Gloria JX-1530R-3/6 | 1500 x 3000 mm | Laser Cutting Machine with 5 ft. x 10ft. working area with Rotary Attachment for 3/6 Mtrs Pipe |
| Gloria JX-1530TC | 1500 x 3000 mm | Laser Cutting Machine with 5 ft. x 10 ft. working area with Table Changing Facility |
| Gloria JX-1530CTC | 1500 x 3000 mm | Laser Cutting Machine with 5 ft. x 10 ft. working area with Table Changing Facility & Close Body Facility. |
| Gloria JX-1530TC R-3/6 | 1500 x 3000 mm | Laser Cutting Machine with 5 ft. x 10 ft. working area with Table Changing & Rotary Attachment Facility. |
| Gloria JX-2040 | 2000 x 4000 mm | Laser Cutting Machine with 6.5 ft. x 13 ft. working area |
| MX SERIES | | |
| Gloria MX-1530 | 1500 x 3000 mm | Laser Cutting Machine with 5 ft. x 10 ft. working area |
| Gloria MX-1530R-3/6 | 1500 x 3000 mm | Laser Cutting Machine with 5 ft. x 10ft. working area with Rotary Attachment for 3/6 Mtrs Pipe |
| Gloria MX-1530TC | 1500 x 3000 mm | Laser Cutting Machine with 5 ft. x 10 ft. working area with Table Changing Facility |
| Gloria MX-1530CTC | 1500 x 3000 mm | Laser Cutting Machine with 5 ft. x 10 ft. working area with Table Changing Facility & Close Body Facility. |
| Gloria MX-1530TCR | 1500 x 3000 mm | Laser Cutting Machine with 5 ft. x 10 ft. working area with Table Changing & Rotary Attachment Facility. |
| Gloria MX-2040 | 2000 x 4000 mm | Laser Cutting Machine with 6.5 ft. x 13 ft. working area |

GLORIA 'B' SERIES FIBER LASER METAL CUTTING MACHINE

Mehta's Controller & Software Based on Beckhoff Hardware and Ethercat Technology

BECKHOFF (Germany) Hardware



Multi Touch 21 inch Wide

Machine Update

- All Mehta's Beckhoff series of Fiber Laser Cutting Machine will work up to date because of German hardware & software designed and implemented with a very advanced vision by Mehta's engineers.

Performance of many years

- Ultra fast communication with EtherCAT - Through the EtherCAT communication protocol, all machine's parts are controlled at ultra high speed. The total time between placing of an instruction and its execution is done at micro second level.

Cutting at minimum time

- In Gloria B series of fiber laser cutting machine, the flow of G code is important. In the performance duration process, G code is designed to achieve the desired result from the shortest path.

Back Up

- It is possible to restart the machine within minutes by means of system backup against possible error.

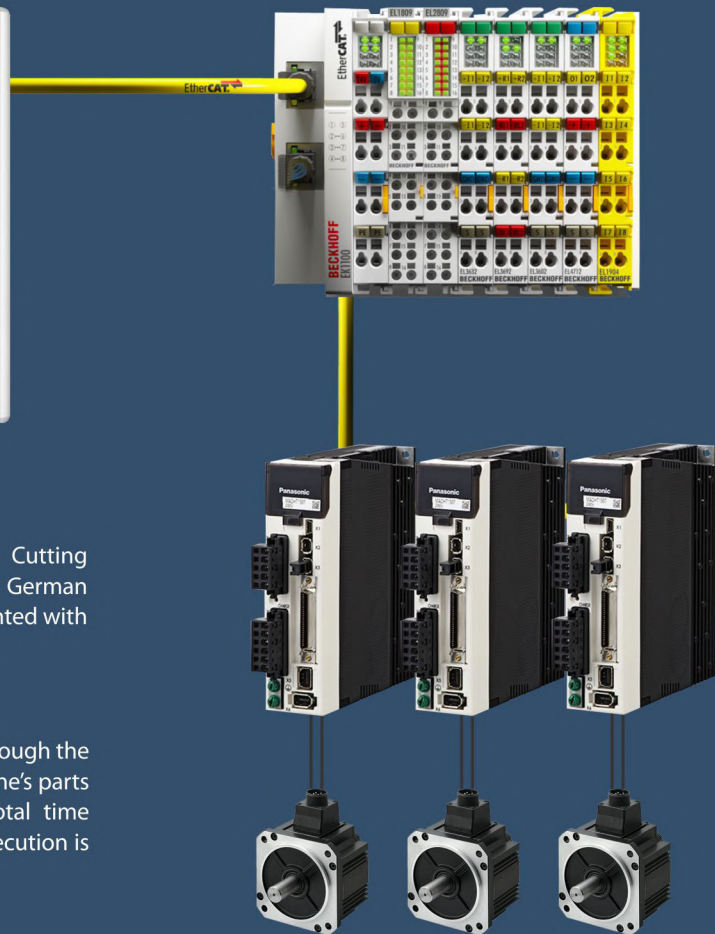
High Precision Cutting

- Thanks to ultra speed EtherCAT communication technology, the drive and motors from YASKAWA (JAPAN) and all control units which set the values with the highest precision and speed. Thus you may obtain perfect cuts with micron precision on time.

BECKHOFF
EtherCAT
INDUSTRY 4.0 (IOT)

TROOPER
CUTTING SOFTWARE

PROFESSIONAL
NESTING SOLUTION





Mehta's Trooper Cutting Software V 1.1

- User Friendly Interface: Work becomes much easier with the new user friendly interface designed by Mehta's engineers. Once can start automatic cutting operation with only a few steps and monitor the active job before and during cutting operation, thanks to NC Graphics Features.

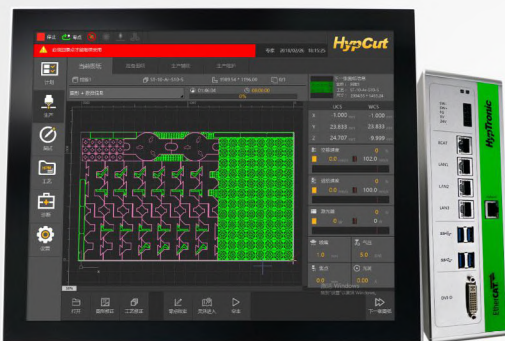


User Friendly Interface

- User Friendly and Customized Real Time Screen
- Customized Multi Axis and Multi-Function Can Be Done
- Online Component Monitoring On Screen
- Real Time Error Tracking
- Advanced Manual Possessing Functions
- Six Multiple Work References Can Be Done
- Remote Support Can Be Done Easily
- Advance Piercing Features
- Very Precise Movements, Even at High Acceleration and Speed.

FSCUT8000

Ultra High Power EtherCAT Control System



FSCUT8000 System is designed for ultra high power fiber laser above 8KW, featured by out of box service, easy to install and adjust, robust quality and security. It supports customization, is the most leading edge EtherCAT laser cutting control system on the market.



- Technique: multiple piercing solutions for metal sheet of different thickness, piercing slags removal, vibration suppression, close-loop gas control, separate layer technique for large, medium and small contour cutting, all to expand your machine capability.
- File workpiece edge: up to 500mm/s high speed and precision, also provides optional find edge patterns to meet your production needs.
- File formats: support direct production of DXF and G code, support fast of LXDS and NRP file generated by CypNest.
- UI: easy operation with guided and visualized interface.

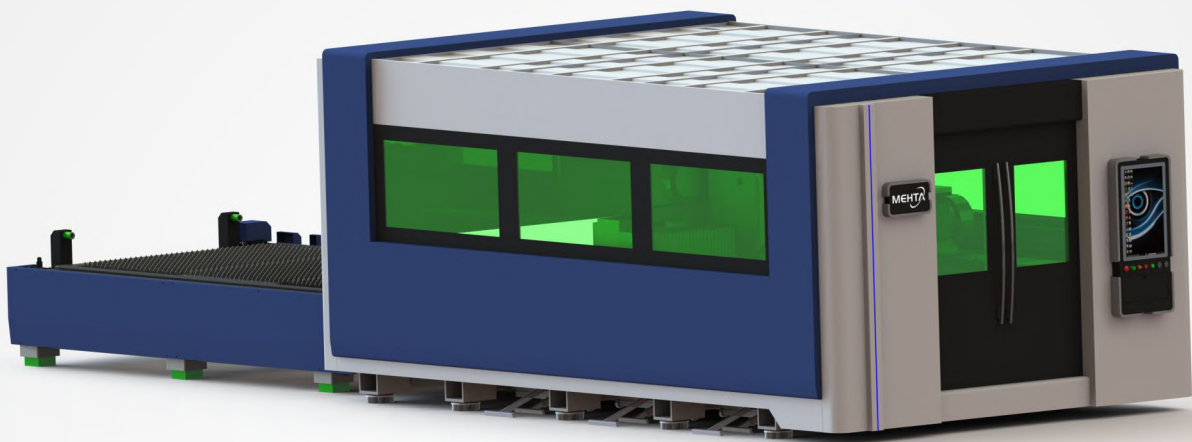


Gloria MX Pro

For 30KW, 40KW

EtherCAT®

GLORIA-MX Pro 1530 CTC



Gloria Machine Model No. List

| Model No. | Working Area | Description |
|----------------------------|----------------|--|
| GLORIA SERIES | | |
| Gloria MX Pro-1530 | 1500 x 3000 mm | Laser Cutting Machine with 5 ft. x 10 ft. working area |
| Gloria MX Pro-1530R-3/6 | 1500 x 3000 mm | Laser Cutting Machine with 5 ft. x 10ft. working area with Rotary Attachment for 3/6 Mtrs Pipe |
| Gloria MX Pro-1530TC | 1500 x 3000 mm | Laser Cutting Machine with 5 ft. x 10 ft. working area with Table Changing Facility |
| Gloria MX Pro-1530CTC | 1500 x 3000 mm | Laser Cutting Machine with 5 ft. x 10 ft. working area with Table Changing Facility & Close Body Facility. |
| Gloria MX Pro-1530TC R-3/6 | 1500 x 3000 mm | Laser Cutting Machine with 5 ft. x 10 ft. working area with Table Changing & Rotary Attachment Facility. |
| Gloria MX Pro-2040 | 2000 x 4000 mm | Laser Cutting Machine with 6.5 ft. x 13 ft. working area |
| Gloria MX Pro-2065 | 2000 x 6500 mm | Laser Cutting Machine with 6.5 ft. x 21 ft. working area |
| Gloria MX Pro-2080 | 2000 x 8000 mm | Laser Cutting Machine with 6.5 ft. x 26 ft. working area |

Working Area: Standard

1.5 mtr x 3mtr

2 mtr x 4 mtr

2 mtr x 6.5 mtr & 2 mtr x 8 mtr

Any size can be manufactured as per customer's specifications.



Gloria PX

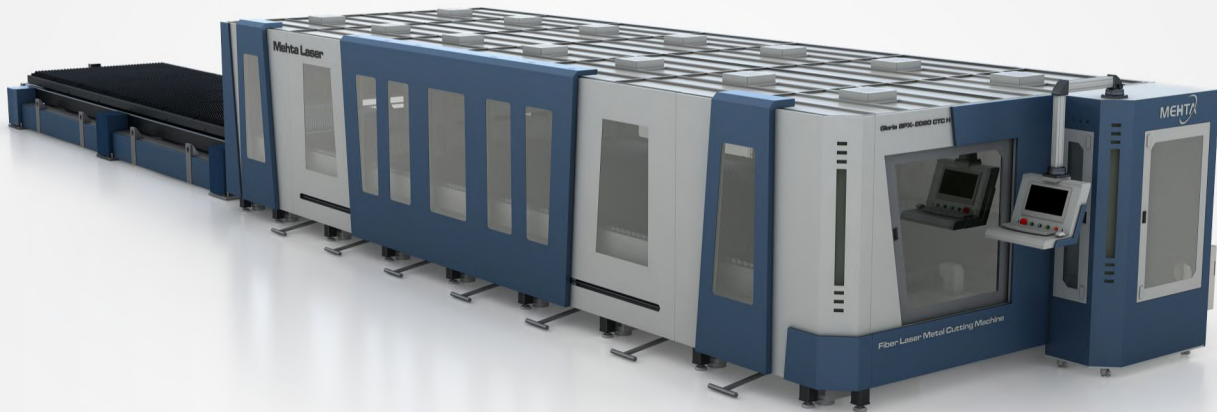
For 12KW, 20KW, 30KW, 40KW

Thick Plate Welded Machine Bed Strong Frame Structure

This kind of machine bed has strong structure produced by relief annealing so the whole structure remains very firm and hard to be deformed. Thick plate welded machine bed have inside metal plates which are solid so even after long time of running, it will still remain stable.



GLORIA-PX 2080 CTC (2 mtr x 8 mtr)



Gloria Machine Model No. List

Our close body structure is designed with side door opening which is very convenient for operations & maintenance.

| Model No. | Working Area | Description |
|------------------------|----------------|--|
| GLORIA SERIES | | |
| Gloria PX-1530 | 1500 x 3000 mm | Laser Cutting Machine with 5 ft. x 10 ft. working area |
| Gloria PX-1530R-3/6 | 1500 x 3000 mm | Laser Cutting Machine with 5 ft. x 10ft. working area with Rotary Attachment for 3/6 Mtrs Pipe |
| Gloria PX-1530TC | 1500 x 3000 mm | Laser Cutting Machine with 5 ft. x 10 ft. working area with Table Changing Facility |
| Gloria PX-1530CTC | 1500 x 3000 mm | Laser Cutting Machine with 5 ft. x 10 ft. working area with Table Changing Facility & Close Body Facility. |
| Gloria PX-1530TC R-3/6 | 1500 x 3000 mm | Laser Cutting Machine with 5 ft. x 10 ft. working area with Table Changing & Rotary Attachment Facility. |
| Gloria PX-2040 | 2000 x 4000 mm | Laser Cutting Machine with 6.5 ft. x 13 ft. working area |
| Gloria PX-2065 | 2000 x 6500 mm | Laser Cutting Machine with 6.5 ft. x 21 ft. working area |
| Gloria PX-2080 | 2000 x 8000 mm | Laser Cutting Machine with 6.5 ft. x 26 ft. working area |

Working Area: Standard

1.5 mtr x 3mtr

2 mtr x 4 mtr

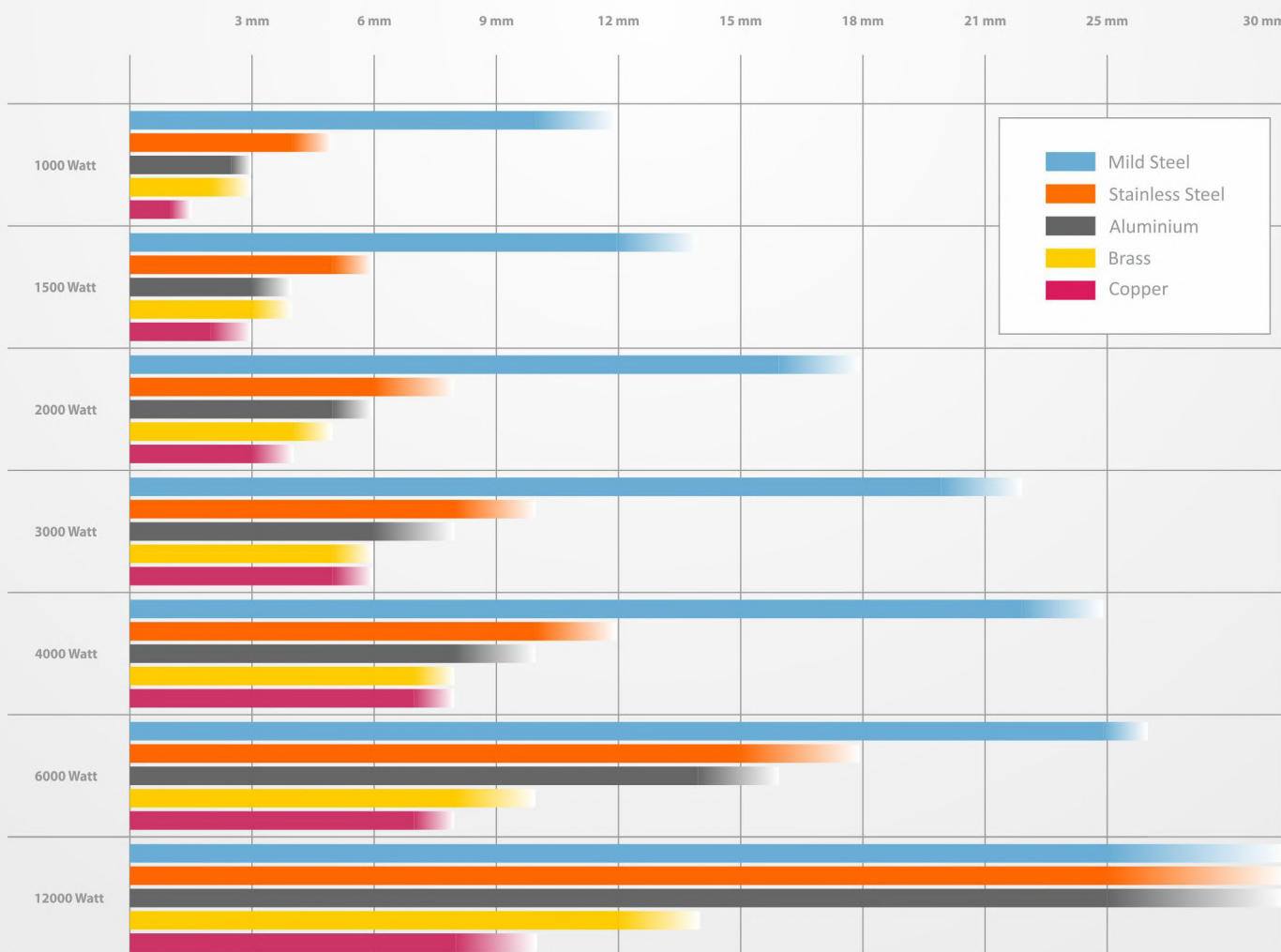
2 mtr x 6.5 mtr & 2 mtr x 8 mtr

Any size can be manufactured as per customer's specifications.

Specification

| Model / Working Are | MX Pro 1530, 1500 x 3000 mm | PX 1530, 1500 x 3000 mm |
|----------------------|---------------------------------|---------------------------------|
| | MX Pro 2040, 2000 x 4000 mm | PX 2040, 2000 x 4000 mm |
| | MX Pro 2065, 2000 x 6500 mm | PX 2065, 2000 x 6500 mm |
| | MX Pro 2080, 2000 x 8000 mm | PX 2080, 2000 x 8000 mm |
| Laser Source | 30 KW, 40 KW | 12KW, 20 KW, 30 KW, 40 KW |
| Laser Type | IPG / RAYCUS Fiber Laser Source | IPG / RAYCUS Fiber Laser Source |
| Laser Wavelength | 1080 nm | 1080 nm |
| Cutting Head | Raytools | Raytools |
| Max. Cutting Speed | 60 m/min | 80 m/min |
| Max. Traveling Speed | 120 m/min | 140 m/min |
| Position Accuracy | <± 0.04mm | <± 0.04mm |
| Minimum Line Width | < 0.12mm | < 0.12mm |
| Cooling System | Water Cooling | Water Cooling |
| Drives & Control | AC Servo Motor | AC Servo Motor |
| Working Voltage | AC 420V | AC 420V |

Cutting Thickness Chart



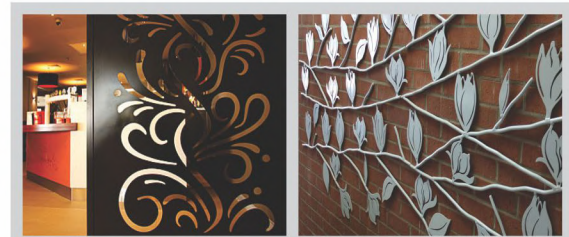
Other Range of Laser Products

- Fiber laser Marking machine
- Fiber laser welding machine
- Fiber laser cleaning machine
- Co2 laser engraving & cutting machine
- Co2 laser marking machine
- Co2 3d dynamic laser marking machine
for large marking area

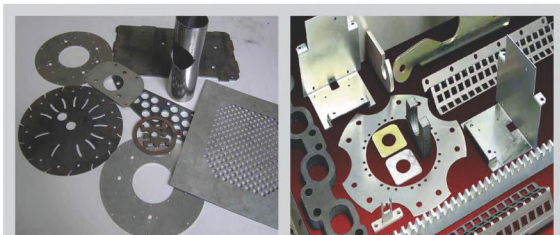
Sample of Fiber Laser Cutting Machine



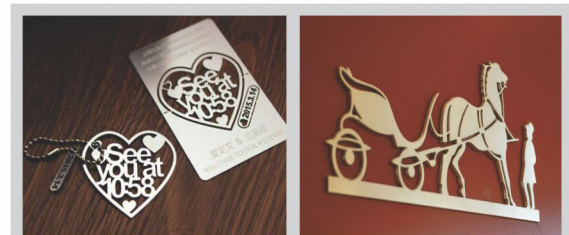
SIGNAGE



INTERIOR DECORATION



ENGINEERING



GIFT & ARTICLES

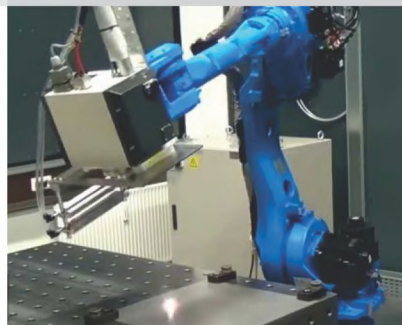


HIGH PRECISION & MICRO CUTTING



SQUARE & ROUND PIPES CUTTING

Integrated Robotics Solutions For Laser Cutting, Laser & MIG Welding Applications (Fiber Laser & Co2 Laser)

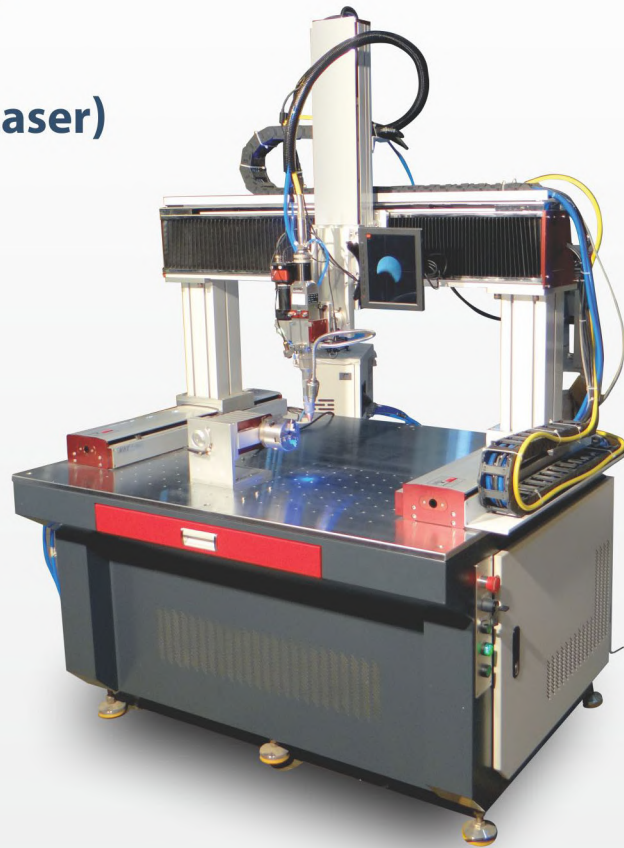


Laser Welding Machines

Galaxy Series

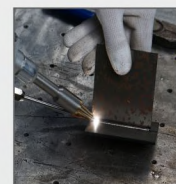
(Nd : YAG Laser & Fiber Laser)

**GALAXY-
WDF Series**
Fiber Laser, 4 Axis High
Precision Welding

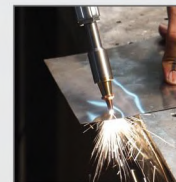


3 In 1 Welding Machine
Welding | Cutting | Cleaning

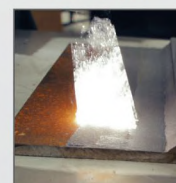
TRIO
Fiber Laser
Welding Machine



Laser Welding



Laser Cutting



Laser Cleaning

Online / Offline Laser Marking & Coding Machines

- Fiber Laser Marking
- Co2 Laser Marking
- UV Laser Marking
- Green Laser Marking

Evan 20, 30, 50, 100 Watt



LaserJet F Series

Fiber Laser



LaserJet C Series

Co2 Laser





OUR NETWORK



MADE BY MEHTA, FOR THE WORLD

Head Office & Manufacturing Facility

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