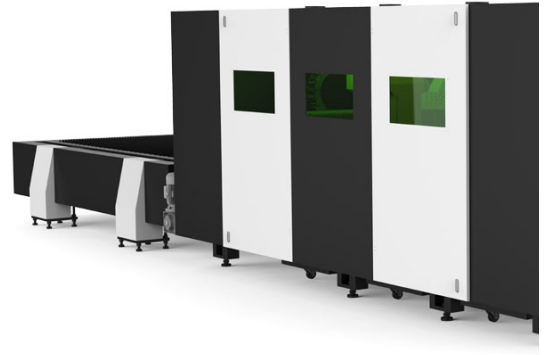




expertise. innovation. excellence.



## Fiber Laser Cutting Machine - Ethercat

REQUEST PRICING

Metal Fabricating Business is a largest exploring industry globally, Adopting High Power Fiber Laser up to 12 kW from SIL is possible to become more efficient and business opportunities in various industries such as Railways, Automobile, Energy, Aviation, Commercial Vehicle, Sheet Metal Processing etc.

From SIL 3015 2 kW power onward it can cut Mild Steel, Stainless Steel, Coated Stainless Steel, and High-Strength steel, Aluminium, Brass, and Nickel easily.

The machine features a durable rack-and-pinion motion system, lightweight gantry with synchronized dual servo motors and an Auto Focus Cutting Head. Fiber Laser energy saves up to 70 percent as compared with traditional CO2 laser cutters, It can provide cutting speed to 40m / min and rapid speed of 180/min with 1.5-G acceleration.

## Features

- Fastest Machine from India
- Designed to work in harsh conditions
- All mechanics designed for more than 20 years life
- Machine dynamics 200 holes/min
- Cut part accuracy +/- 50 micron
- Optics from Israel
- Machine up time <90%
- Best Service support from Highly Experienced Engineers.
- Backup Laser source within warranty and post warranty
- Best Application support.
- Service cost > 3% per annum
- Heavy Base Frame
- Special Grade Material thick plate for mounting Linear Guide and Rack
- In house Precision machined within 30 microns On HMC from Germany
- Light weight Gantry for High dynamics
- Original Hiwin Linear guides and Block
- Quality 6 Atlanta Racks
- Low backlash Gearbox from Germany.
- Fire proof Bellow for protection
- New Generation Control System
- All European Parts
- Class 4 Laser Protection Covers

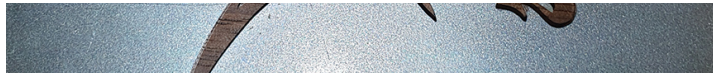
- Laser Powers upto 10 KW
- Close Loop Ethercat Servo Motors
- European CNC controller
- Panasonic A6 Motor Drives
- Acceleration 2.5 G
- IPG / Raycus laser source
- 6 Zone wise fume suction
- Same Height Pallet Exchange Table
- Dust proof Gas line for Process gas
- Auto Focus Cutting Head
- Cutting Speeds up to 40 meters/min
- Rapids up to 180 meters/min
- Side door opening Concept, giving Edge during maintenance & Processing critical parts
- Dual Side Operation option, Roof Exhaust system Option
- Back panel with Climate control AC for Electronics
- Touch Screen Operator Pendant
- Aluminum Stairs, makes easy to enter the machine for maintenance
- Top Drag Chain concept making machine compact and safe
- 250 mm Z stroke giving more clear space between gantry and Sheet
- Fire Proof Bellows used for handling Rough Spatra during cutting high thickness
- Slat Chain Conveyor Option to collect scrap and cutting dust
- Control panel: All switch gears from Siemens, Isolated HV protected specially build to work in Harsh Electrical conditions

## Specifications

Laser Source	2000 /3000/4000/6000/8000/10000 W IPG
X axis Stroke mm	1525 / 2050
Y Axis Stroke mm	3050 / 4050 / 6000
Z Axis Stroke mm	250 mm

Working Area mm	1500 X 3000 / 2000 x 4000 / 2000 x 6000
X-Y Positioning Accuracy"	±0.03 mm/m
Maximum Acceleration	1.5 G
Rapid Speed	180 M/min
Controller	Ether Cat Beckhoff Platform Germany
Servo Motors & Drives	PANASONIC / SANIYO DENKI
Rack & Pinion	Atlanta US Make
LM Guide	Hi Win (Taiwan)
Cutting Head	Raytool Autofocus BM 111 Motorized (Swiss)
Gear Box	Stobber (German)
Water Chiller	Tongfie
Dual Pallet Changer	Included
Enclosure Body	Included
Pneumatics	SMC (Japan)
Gas Pressure Control System	SMC / ASCO(Japan)
Gas Pressure Limit Switch	Danfoss (Germany)





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