COMBINED PIPE AND SHEET FIBER LASER CUTTING MACHINE

Round Pipe	
Max. Diameter	150 mm
Mini. Diameter	50 mm
Length	3000 mm

Square Pipe	
Max. Diameter	150 mm
Mini. Diameter	50 mm
Length	3000 mm

Specifications are liable to change without prior notice.

TECHNICAL SPECIFICATIONS

MODEL	GLORIA-440F	GLORIA-480F	GLORIA-510F
Working Area	4 x 4 Feet	4 x 8 Feet	5 x 10 Feet
Laser Type	Imported Original Fiber Laser		
Laser Wavelength	1070 nm		
Laser Output Power	300W / 500W / 750W / 1000W / 1500W / 2200W		
Cutting Thickness	0.2 - 5 mm		
Max. Cutting Speed	30000 mm/min (Adjustable according to different cutting thickness)		
Position Accuracy	$\leq \pm 0.04$ mm		
Minimum Line Width	≤ 0.12 mm		
Cooling System	Water Cooling		
Driving System	MITSUBISHI / YASKAWA AC Servo Motor & Drivers		
Transmission	X and Y with axis is imported square rail and helical ground rack		
Working Voltage	380V/220V		
Total Power Consumed	9KW / 15KW		

Specifications are liable to change without prior notice.

GLORIA FIBER LASER
METAL CUTTING MACHINE

Available with 300W / 500W / 750W / 1000W / 1500W / 2200W

Gloria Series

MEHTA®

Manufactured & Marketed by:
MEHTA CAD CAM SYSTEMS PVT. LTD.

Head Office: 4 & 5, 2nd Floor, Sumel Complex,
Opp. GNFC Info Tower, Sarkhej Gandhinagar Road,
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ISO 9001 Certified

FSCUT CLOSED–LOOP CONTROL SYSTEM

Powerful hardware configuration

The hardware of closed- loop control system consists of BMC1214 four axis motion card and BCL3724 terminal board. The system adopts high- precision 16- bit DA chip with low- noise and low-drift coefficient signal; Powerful real-time computing power is provided by High-performance ARM processor and FPGA coprocessor; The system can run more fast and smooth owing to 32

large capacity SDRAM memory; Reliable communication can be still achieved in harsh industrial environment due to high- speed differential communication bus. The system is safe, reliable and easy to manage due to coming with its time encryption and decryption function without needing other dongle.

FEATURES

FIBER LASER TECHNOLOGY

Briefly, fiber laser light is created by banks of diodes. The light is channeled and amplified through fiber optic cable similar to that used for data transfer. The amplified light, on existing the fiber cable, is collimated or straightened and then focused by a lens onto the material to be cut.

FIBER LASER CUTTING WORKING PRINCIPLE

Fiber laser cutting machine is equipped with the most advanced international imported fiber laser source which generates powerful laser focused on objects to cause instant melting and evaporation. Automatic cutting is controlled by digitalized mechanic system. This hi-tech machine has condensed the advance technologies of fiber laser, digital, and precise mechanics.

FIBER LASER CUTTING MACHINE APPLICATION FIELDS

Applicable to fast cutting on plate or tube in metal, mainly for cutting on SS, Carbon steel, Manganese steel, galvanized plate, alloy plate, rare metal; Widely used in kitchen appliance, electric control box, high-resolute device, mechanical equipment, hardware and metal processing.

FIBER LASER CUTTING ADVANTAGES

Fiber lasers are up to ten times more energy efficient than traditional YAG and Co_2 laser systems. And, consuming little to no energy when not active, the annual energy savings can attract government grant funding for industrial energy efficiency programs.
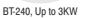
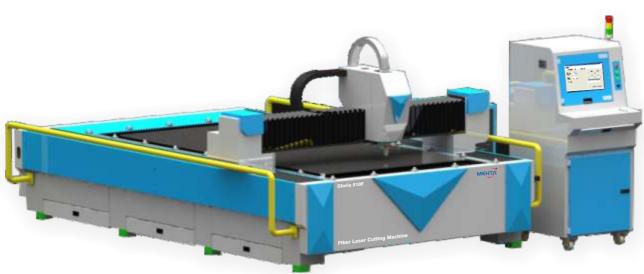Fiber laser have no mirrors to adjust or align, and no lamps to replace. Maintenance is minimal, so utilization and up-times are maximized. The laser really are designed as shop floor industrial tools.

Fiber laser machine is of low cost which consume very low electricity every hour. It has a lifespan of 1,00,000 hours. Fiber laser is maintenance free and its higher cutting speed and efficiency, speed of cutting plate can reach over 10 meters per minute.

Cutting Head From RayTools, Switzerland

BM-110, Auto Focus

BT-210, Up to 500W

BT-240, Up to 3KW

CLOSE BODY WITH PALLET CHANGER, GLORIA 510 CTC

SIGNAGE

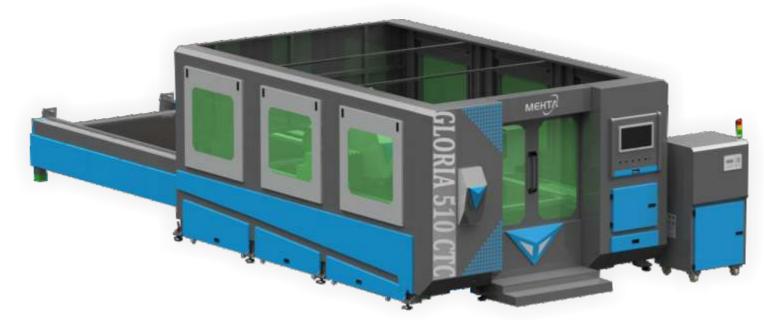INTERIOR DECORATION

ENGINEERING

GIFT & ARTICLES

One Graph, Numerous Processes

You can complete a variety of processes by drawing only one graph. Pre-piercing: Piercing in advance according to your graph. Cutting with a film: Cutting after eliminating the film by stripping process. Secondary cooling: Processing once following immediate cooling along track.

Fast & Practical Scanning Cutting

Now it is possible to scan and cut straight line in any direction, and to naturally and progressively cut circular arc of arbitrary arrangement. We can ensure the tangent between circular arc and scan with smooth and high-speed.
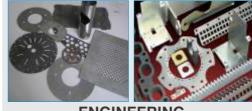
Convenient Seeking- Edge & Locating

Not only capacitive seeking- edge, but also infrared and visual orientation can be easily operated using BCS100. The position and angle can be simultaneously determined in any case mentioned above.

BCS100 HEIGHT CONTROLLER

Version	V3.0
Max Moving Speed	999 mm/s
Max Acceleration	2 G
Vibration Elimination	Following the front point & edge with easy vibration
Capacitance Mutation Restraint	10%
Min Adaptable Inflexibility Requirement	2 Hz
Firmware Upgrade	U Disk / Ethernet
DA Resolution	16 Bit
DA Zero Drift	3 Mv
DA Response Time	0.01 Mv
DA Linearity	0.1%
Positioning Accuracy	0.001 mm
Alarm Information & Power-Down Save	Yes

CYPCUT SOFTWARE

New function of CypCut cutting software

Better speed, better convenience, better security and better use:

Start processing immediately without waiting;

It can operate with smooth, high-speed and precision due to leading high-speed NURBS real-timeinterpolation, and start processing in any position without waiting. Whenever stop, alarm or power-down happens, it can continue to work from the breakpoint.