



Metal Sheet – Pipe Fiber Laser Cutting Machine

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Metal Sheet – Pipe Fiber Laser Cutting Machine is an example of high-tech flexibility 3D axis cutting. The system blends beam-modulation technology to automatically match material thickness with the power and speed of a rotary index to efficiently transition from flat sheet to tube or pipe cutting. This switch between flat-sheet cutting and tube or pipe cutting is accomplished in less than 2 min., and the system's ability to process round, square, rectangle, C-channel and angle iron provides users with extreme versatility.

The beam-modulation technology allows for a continuous variable beam across every thickness of material without having to change lenses, while ensuring fast throughput. As the material thickness increases, so, too, does the diameter of the laser beam and the width of the cut, enabling easy removal of finished parts.

The Combo system Metal Sheet – Pipe Fiber Laser Cutting Machine is widely used in kitchen appliance, electrical panel box, mechanical systems, electrical manufacturing, elevator manufacturing, and auto parts, hardware, Structural Steel Plants etc.

Material Such as Stainless Steel, Mild Steel, Galvanized, Zinc – Coated Steel, Aluminium, Brass Sheet & Pipes are processed in Combo system.

SIL combo model comes with specification of fiber laser 1000w to 4000w power, includes 160 & 220 diameter maximum pipe cutting. 300mm Z-axis range with 1500x3000 mm sheet size.

FEATURES

- Add Rotary Axis
- Choice of 165 mm & 220 mm Chuck
- Get Manual or Electro-Pneumatic Chuck
- Easy to use CNC controller
- Basic CAM software comes with the free upgrade
- Cut cross section to slice the pipe in desired location and also reduce the waste to minimal amount
- Combo model with 3 Meter pipe and plate cutting
- Combo model with 6 Meter pipe and plate cutting
- Plate structure base
- Atlanta Racks
- Class 4 Laser Protection Covers
- Laser Powers up to 4 KW
- Yasakawa Servo Motor and Drive System (Double)
- Cypcut CNC controller FS 3000
- Acceleration 0.5 G
- Same Height Pallet Exchange Table
- Auto Focus Cutting Head
- Cutting Speeds up to 20 meters/min
- Rapids up to 60 meters/min
- Linear guide and rail from Taiwan

Specifications

Laser Power	KW	1-4
Laser Model		IPG/Raycus

Work Size	mm	3000×1500
Positioning Accuracy	mm/m	≤±0.05
Rotary Size (Combo)	mm	165/220 Ø
Max Idle Speed	m/mm	60
Repositioning Accuracy	mm	≤±0.03
Power	V/Hz	380/50
Cutting Acceleration	G	0.5
Weight	Kg	8000
Controller		Cypcut
X Axis	mm	1520
Y Axis	mm	3050
Z Axis	mm	300



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