

AX METAL CUTTING MACHINE

Professional-grade fiber laser metal cutting system engineered for precision manufacturing. Delivers exceptional edge quality, maximum productivity, and unmatched reliability for demanding industrial applications. Experience cutting-edge technology that transforms your production capabilities.



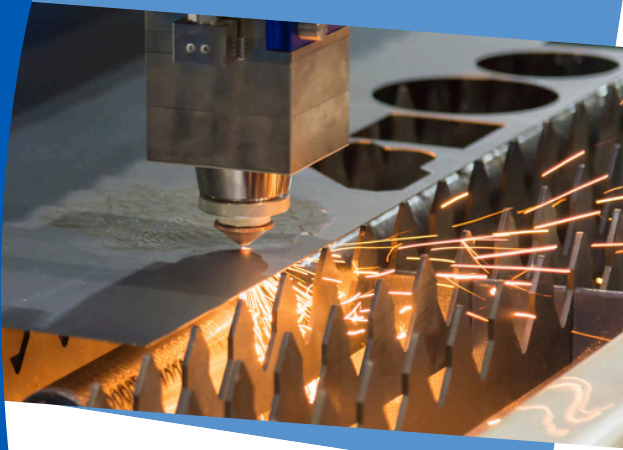
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High Precision and Versatile Cutting

The AX Metal Cutting Machine offers exceptional accuracy and can handle a wide variety of metals with precise, smooth cuts, making it ideal for diverse industrial applications.

Advanced Automation and User-Friendly Controls

Equipped with computerized controls and automated functions, the machine reduces manual labor and errors, enhancing operational efficiency and ease of use.

Durable, Low-Maintenance Design with Integrated Cooling

Built with robust components and an integrated cooling system, the machine ensures reliability, long service life, and consistent performance under heavy workloads.

- **AC Servo Motor Technology:** Ensures high-speed and precise movement control.
- **Red Beam Dot Pointer:** Helps you see the exact position of the laser beam for accurate cutting and engraving.
- **Processing File Path Display:** Shows the file path on-screen while the machine operates.
- **USB Flash Drive Support:** Allows direct file access from a USB flash drive without needing a computer.
- **Power Brake Function:** Enables the machine to resume work after a power outage.
- **High-Quality Chiller Unit:** Provides better performance and extends the life of the laser tube.
- **Foot-Mounting Legs:** Minimize vibration and allow for precise leveling of the machine.
- **Heavy-Duty Compressor:** Features an air-assist system with adjustable focus and coaxial jet air to prevent burning of the cutting edges.



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TECHNICAL SPECIFICATIONS

Specification	Value
Cutting Area	3000x1500mm
Cutting Area Tolerance	±0.05mm
Max Thickness Ss 1kw	3mm
Max Thickness Ss 2kw	6mm
Max Thickness Ss 3kw	12mm
Max Thickness Ss 4kw	20mm
Max Thickness Cs 1kw	5mm
Max Thickness Cs 2kw	10mm
Max Thickness Cs 3kw	16mm
Max Thickness Cs 4kw	25mm
Max Thickness Al 1kw	2mm
Max Thickness Al 2kw	4mm
Max Thickness Al 3kw	8mm
Max Thickness Al 4kw	12mm
Positioning Accuracy	±0.03mm
Repeat Accuracy	±0.02mm
Laser Source	IPG/Raycus Fiber Laser
Wavelength	1070nm
Beam Quality	M ² <1.6
Cutting Speed 1mm Ss	45m/min
Nozzle Diameter	1.0-3.0mm
Focus Position	Auto-adjustable
Edge Quality	ISO 9013 Class 1-2

Cutting Speed 3mm Ss	15m/min
Cutting Speed 6mm Ss	4.5m/min
Cutting Speed 10mm Cs	2.8m/min
Cutting Speed 20mm Cs	0.8m/min
Piercing Time 1mm	0.3s
Piercing Time 10mm	2.5s
Power Consumption 1kw	8kW
Power Consumption 2kw	12kW
Power Consumption 3kw	16kW
Power Consumption 4kw	20kW
Control System	Cypcut Pro 2024
Servo Motor	Panasonic AC Servo
Drive System	Rack & Pinion
Cooling System	Industrial Water Chiller
Operating Temperature	5-45°C
Humidity	≤85%
Dimensions	8500x4200x2200mm
Weight	6500kg
Max Acceleration	1.5G
Cutting Gas	O2/N2/Air
Gas Pressure	0.8-2.0MPa
Kerf Width	0.1-0.3mm
Productivity 8h	150-300 parts
Annual Capacity	50000+ parts



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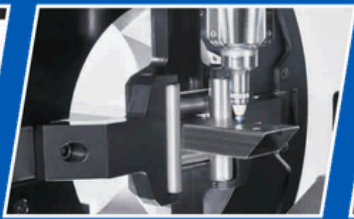


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INDIA'S BEST MANUFACTURER OF FIBER LASER CUTTING MACHINES



Sheet Cutting



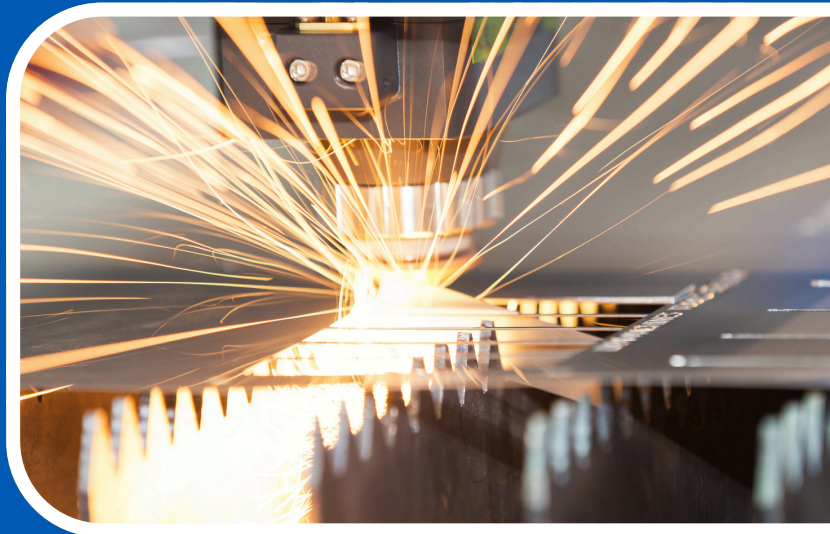
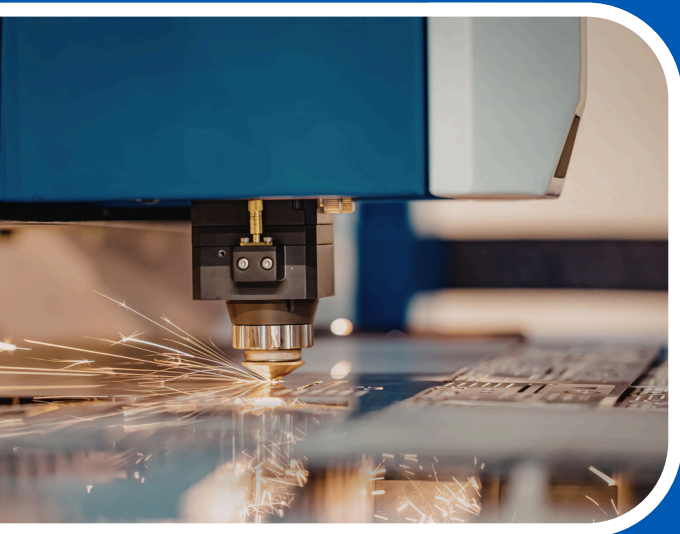
Tube Cutting



Laser Welding



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