

Order Code - 25268466.2.9 Fiber laser cutting machine for sheets



Key Features

• High Precision: Advanced Raytools BM110 laser head ensures clean, smooth cuts for intricate

designs

Powerful Performance: Equipped with a 1.5 kW Raycus laser source, delivering consistent power

for various material thicknesses.

- Efficient Cooling System: BLUE PENGUIN chiller ensures the laser source and cutting head maintain optimal temperatures based on environmental conditions.
- Large Working Area: A spacious bed size of 1500 mm x 3000 mm accommodates large sheets for

diverse applications.

• Reliable Motion Control: Delta motors provide precise and stable movement, ensuring consistent

cutting accuracy.

- Enhanced Durability: SHAC linear guides support heavy loads and provide long-lasting precision.
- Precision Racks: YYC racks ensure smooth, accurate, and stable operations.
- Pneumatic Efficiency: AIRTAC electronic magnet valves deliver reliable control of pneumatic

components.

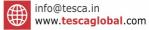
• Automatic Focus: The automatic focus system adjusts seamlessly to different materials and Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.

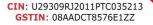


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thicknesses, optimizing cutting performance.

 Advanced Machining: The machine bed and plates are processed using state-of-the-art German

CNC machines for over 72 hours to achieve exceptional accuracy and durability.

- Auto Lubrication System: An electrical lubrication system enhances machine longevity and ensures seamless performance.
- Automatic Exhaust System: Efficiently manages and removes fumes and debris for a clean working environment.
- User-Friendly Interface: Intuitive CNC control system for easy operation and precise customization.
- Versatility: Handles a wide range of materials including metals and alloys, ensuring adaptability for various industries.
- Durable Construction: Built with high-quality components to ensure long-term reliability and low maintenance.

Feature Specification

Laser Power 1.0 kW (1000 Watts)

Laser wavelength: 1064nm **Bed Size** 1500 mm x 3000 mm Cooling Type Water Cooling

Chiller BLUE PENGUIN - Laser source temperature and cutting head control automatically adjusted based on environmental conditions.

Laser Source Raycus

Laser Head Raytools BM110

Motor Brand Delta - High-performance motors ensuring smooth and precise motion control, optimized for fiber laser metal cutting applications.

Linear Guide SHAC - Renowned for its durability, high load capacity, and precision, offering seamless operation and long service life.

Electronic Magnet Valve

AIRTAC - Reliable and efficient, providing precise control for pneumatic systems.

Focus System Automatic - Ensures optimal focusing for different material

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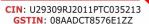


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thicknesses, enhancing cutting precision and efficiency.

Rack YYC - High-quality, durable racks providing excellent stability and precision.

Bed Weight 2200 KG

Bed Teeth 3.8 mm HEAVY

Machine Bed and Plates

Precision-machined on advanced German-made CNC machines, undergoing over 72 hours of continuous processing to ensure high accuracy and stability.

Cutting Materials Stainless Steel, Carbon Steel, Aluminum, Brass, and more

Effective Cutting

Thickness MS: 12 mm, SS: 6 mm, Aluminum: 3 mm, GI: 10 mm

Cutting Speed High-speed precision cutting

Operating Voltage 220V/380V (Customizable)

Control System User-friendly CNC Control Panel

Positioning Accuracy ±0.03 mm

Repositioning Accuracy ±0.02 mm

Support Software Compatible with industry-standard formats (DXF, PLT,

etc.)

Control Software Raytools

Auto Lubrication

System Electrical lubrication system with a robust gear pump, offering optimal performance and complete functionality.

Automatic Exhaust System Yes

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