

CNC Plasma Pipe Cutting Machine

This CNC plasma pipe cutting machine is engineered for precise and efficient cutting of metal pipes using plasma technology. It features a CNC control system for automated operation and high accuracy.



Overview



Robust frame design featuring a rotating chuck for secure pipe handling and precision torch positioning.

High-Precision Pipe Cutting Solution

This CNC plasma and flame pipe cutting machine is designed for efficient, automated metal fabrication. It features a robust steel structure and advanced control systems, making it suitable for high-quality, repeatable pipe cutting in industrial environments. With integrated nesting software and versatile cutting processes, it optimizes material usage and streamlines production workflows.

Cutting Capabilities

| | |
|---------------------|-------------------------------|
| Cutting Processes | Plasma Cutting, Flame Cutting |
| Flame Cutting Gases | Acetylene, Propane, LPG - O2 |

Performance Metrics

Key Performance Metrics

6000 mm/min

Positioning Speed

0.5 mm/1000mm

Positioning Accuracy

0.2 mm/1000mm

Repeating Accuracy

Technical Specifications

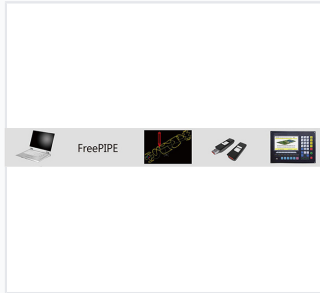
Pipe Handling Specifications

| Parameter | Value/Range |
|----------------------|--------------------------|
| Diameter Range | 60-315 mm |
| Available Lengths | 3000 mm, 6000 mm |
| Max Loading Capacity | 500 kg (for 3000mm pipe) |
| Max Thickness | 15 mm |

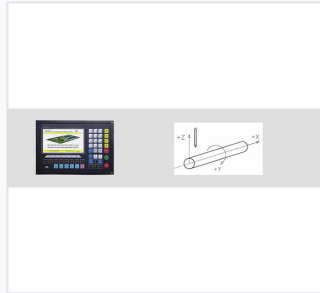
Input Voltage Options

- 110V
- 220V
- 230V
- 240V
- 380V
- 400V
- 415V

Hardware & Control



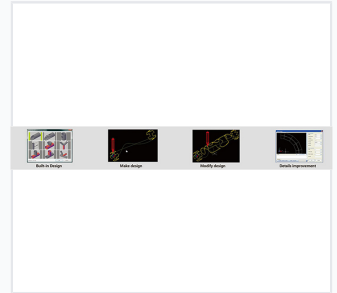
User-friendly interface designed for easy operation and monitoring of the cutting process.



Dedicated CNC controller for precise 3-axis movement and automated operation.



Control panel featuring integrated safety systems, including an emergency stop for operational security.



Integrated software tools allow for easy drawing modification, design optimization, and G-code generation.

Nesting Software

G-Code Generation • Drawing Modification • Design Optimization

Control System

3-Axis CNC Control with Servo Motor Drive

Plasma Power Source Compatibility

Powermax 45, Powermax 65, Powermax 85, Powermax 105, Powermax 125