

CNC Flame and Plasma Cutting Machine

This CNC machine performs both flame and plasma cutting. It is designed for high-efficiency and high-precision cutting in the metal sheet processing industry.



Overview



Industrial CNC cutting machine designed for high-precision metal fabrication.

High-Efficiency CNC Cutting Solutions

This CNC cutting machine is an industrial-grade solution designed for high-precision metal sheet processing. It utilizes advanced digital programming to drive cutting torches, enabling efficient processing of steel, stainless steel, and copper. The modular design incorporates high-quality components to ensure smooth operation and high cost-effectiveness for modern manufacturing environments.

Key Performance Metrics

Performance Highlights

12000 mm/min
Max Positioning Speed

0.5 mm/1000
Positioning Accuracy

0.2 mm/1000
Repeatability

Technical Specifications

Machine Parameters

Parameter	Specification
Input Capacity	3 KW
Power Supply	1 Phase (110V, 220V, 230V, 240V; 50Hz)
Cutting Width Options	1500mm, 2000mm
Cutting Length Options	3000mm, 4000mm, 5000mm, 6000mm
Machine Dimensions	4500 * 2700 * 1600 mm
Recommended Operating Speed	6000-8000 mm/min

Control System

Control System Features

- 7-inch colorful interface screen
- HG612 CNC controller
- 44 shapes library for quick programming
- Multi-language support (English, Russian, Spanish, Portuguese, French, Korean, Chinese)
- Compatible with nesting software like FastCAM and Pronest

Mechanical Construction

Description

- Steel structure table body to ensure durability and precision.
- Dual driving system on Y, track, pinion and gear system.
- Electric limits on Y, machine stops at ends. Safe for machine and operator
- Separate driving system on X, track, pinion and gear system.
- Electric limits on Y, machine stops at ends. Safe for machine and operator
- Automatic torch height controller on Z. You smile at a deformed plate
- Higher speed and higher precision
- Strong body to hold water bed table
- Caution light to reminder people safety and machine's safety
- Cable chain on X and on Y to protect cables
- Loading can be done by parts or by completely assembled machine.
- 7" displayer, colorful interfaces, English, Russian, Spanish, Portuguese, French, Korean, Chinese.
- 44 Shapes in controller library.

The machine features a robust steel structure and a user-friendly 7-inch colorful control interface.

Mechanical Build

- Steel structure table body for durability
- Dual driving system on Y-axis (track, pinion, and gear)
- Separate driving system on X-axis
- Z-axis automatic torch height controller for deformed plates
- Cable chains on both X and Y axes for protection

Safety & Operation

Safety and Operation

Electric Y-axis limits, Caution safety light, Modular assembly, Water bed compatible, Plate rider optional

Cutting Capabilities

Cutting Modes

Plasma Cutting • Flame Cutting (Optional) • Powermax 45/65/85/105/125 Support

Compliance

Certifications

ISO 9001:2000