

# CNC Plasma Cutting Machine

This CNC plasma cutting machine is designed for industrial applications such as shipbuilding, aerospace, and construction. It is suitable for cutting a variety of metal materials with high speed and accuracy.



## Product Overview

### Industrial CNC Plasma Cutting Solution

This CNC plasma cutting machine is engineered with a welded thick-wall profiled steel lathe bed for maximum stability during heavy-duty operations. It features a specialized double-deck platform with a cast sheath and spikes to protect the table from high-temperature flame damage. Designed for efficiency, the system includes an inclined discharging tunnel for the safe and convenient collection of finished workpieces and fragments.

## Key Performance Metrics

### Performance Highlights

**1.5 mm**

Platform Level Tolerance

**10 mm**

Steel Plate Thickness

## Mechanical Construction

### Frame and Bed Construction

- Welded lathe bed made of thick-wall profiled steel
- Double-deck platform design
- 10mm thickness steel plates fixed on lathe table
- Cast sheath with spikes for flame protection
- Inclined discharging design for waste collection

## Motion and Control

### Drive and Transmission

- High accuracy motor with high-subdivision driver
- Servo speed reducing device
- High accuracy rack transmission
- Low noise operation with stable coordinate movement

## Software and Control

### Control System and Software

Component	Feature
Control System	Sino-US joint venture start control system
Nesting Software	FASTCAM with auto material saving function
Arc Adjustment	High sensitive arc pressure adjuster (Optional)

## Operational Features

### Cutting Capabilities

- Suitable for various material thicknesses
- Capable of heterotypic sheet cutting
- Self-adjusting plasma head distance for accuracy
- Automatic arc pressure adjustment

## Certifications

### Compliance

CE