

CNC Flame and Plasma Cutting Machine

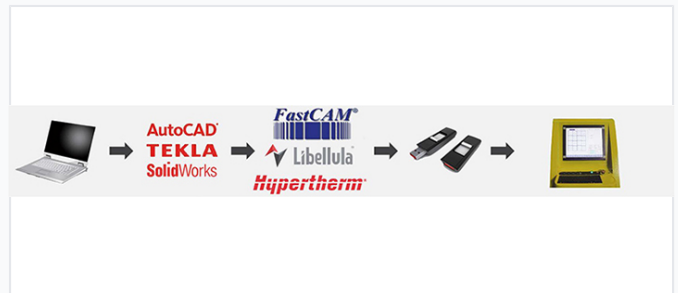
This CNC flame and plasma cutting machine integrates CNC technology with both flame and plasma cutting capabilities. It offers high accuracy and efficient cutting for various metal fabrication needs.



Overview



The main machine unit featuring a robust frame for industrial stability.



Workflow overview from CAD design to final machine execution.

Industrial CNC Cutting Solution

This CNC Flame and Plasma Cutting Machine is a versatile, precision-engineered solution designed for demanding metal fabrication environments. By integrating both flame and plasma cutting capabilities, it offers high efficiency and consistent performance across a wide range of materials, including steel, stainless steel, and aluminum. The system features advanced motion control and automated torch height regulation to ensure high-quality, repeatable cuts for complex industrial applications.

Technical Specifications



Examples of high-precision cuts achievable with the system.

Cutting Dimensions

Parameter	Available Options
Cutting Width (mm)	1500, 2000
Cutting Length (mm)	3000, 4000, 5000, 6000

Performance Metrics

12000 mm/min
Max Travel Speed

0.5 mm/1000
Positioning Accuracy

0.2 mm/1000
Repeatability

Power Supply

110V, 220V, 230V, 240V, 380V, 400V, 415V, 50Hz, 60Hz

System Components

Option 1 Controllers



Standard: Micro Edge Pro



Upgrade: Edge Pro



Upgrade: Edge Connection

Available controller configurations for precision management.

Option 4 Torch Height controller



Standard



Upgrade: Sensor THC



Upgrade: ARCGLIDE

Various torch height control upgrades to enhance cutting precision.

CNC Controller Options

- Standard: Micro Edge Pro
- Upgrade: Edge Pro
- Upgrade: Edge Connection

Torch Height Control (THC)

- Standard THC
- Upgrade: Sensor THC
- Upgrade: ARCGLIDE
- ARC Voltage THC

Nesting Software Options

- Standard: FastCAM
- Upgrade: Libellula
- Upgrade: ProNest2017 LTS

Key Hardware Components

Servo Motor • Precision Gear Box • Linear Rail System • Industrial Relay • Schneider Breaker