

CUT-125AL

**Low Frequency 100% Duty Cycle
220V/380V Cutter 125Amp**

IGBT Inverter Air Plasma Cutting Machine



**125A
OUTPUT**



**100%
DUTY CYCLE**



**LOW
FREQUENCY
ARC START**



**CNC
COMPATIBLE**



**TWO-YEAR
WARRANTY**

	Current Regulation Range	30~120A
	Quality Perforation Thickness Range (Carbon Steel)	0.3~18mm
	Maximum Edge Cutting Thickness (Carbon Steel)	45mm
	Arc Striking Method	Low-frequency
	Mechanical Cutting Torch Model	MS-125 Mechanical
	Handheld Cutting Torch Model	MS-125 Handheld

FEATURES & BENEFITS



Industry-Leading Cutting Quality

- Real-time communication with the CNC system for more precise cutting quality control through the database.
- Increases current at the moment of piercing to enhance piercing ability.
- Intelligently controls corner-cutting quality and helps avoid over-burning.



We Provide a Two-Year Warranty!

- Two-year warranty on the core components of the power supply.
- Quality supported by dual-module IGBT and an advanced heat dissipation system.
- Tower air duct and soft-switch technology help reduce power consumption during cutting.
- Electrical components are sourced from reputable manufacturers and the coils are meticulously handcrafted.



Advanced Process Control & Delivery

- The selection console automatically manages the selection and mixing of plasma gases.
- Adjusts according to the thickness and material of the cutting plate.
- Enhances cutting ability for carbon steel, stainless steel, and aluminum.
- Cutting with oxygen or nitrogen delivers better results compared to cutting with air.



LF Torch

- Low-frequency arc ignition technology matched with a low-frequency cutting torch.
- Helps prevent power interference and delivers a more concentrated arc start.

INTUITIVE CONTROL PANEL



Easy-to-use interface for precise current control and machine status.

CLEAN, PRECISE CUTS



Powerful arc performance delivers smooth, accurate cuts with minimal dross.



TECHNICAL SPECIFICATIONS

Input Voltage	380V/220V 3 phase; 220V single phase
Frequency	50Hz~60Hz
Voltage Range	300~380V (450V) customizable
Input Power	22.4KVA
Rated Output Current	125A
Rated Output Voltage	128V
Rated Load Duration	100%
No-load Voltage	300VDC
Input Copper Core Wire Cross-sectional Area (mm ²)	≥6 square
Ground Wire Cross-sectional Area (mm ²)	≥25 square
Internal Fuse (A)	60
Switching Capacity (A)	100
Plasma Gas Used	Compressed air
Working Plasma Gas Pressure	0.4~0.7MPa
Torch Cooling Method	Air-cooled
Insulation Class	F level
Enclosure Protection Class	IP21S
Net Weight	49kg
Package Weight	51kg (carton)
Dimensions L*W*H (mm)	680*340*585
Packing Size L*W*H (mm)	725*350*700



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