

Key Features

- IGBT inverter technology
- Infinitely adjustable
- Pilot ARC ignition
- 2-stroke / 4-stroke switch
- Fast heat dissipation
- Quality cutting thickness 25mm, 300mm/min
- Oversized/thickened cooling fan



FINELINE 100

Air Plasma Cutting Machine

Plasma Cutter

The FINELINE 100 cutter features a compact design and carry handle for total portability and low system cost. It has a pilot arc-striking system that allows easy starts and gets a clean cut on electrically conductive materials such as steel, stainless steel, copper, aluminum, brass and so on.

IGBT Inverter & Distinct Panel

With IGBT inverter soft switch, DC output Digital LCD Display, and easy read front panel. Over heat and phase sequence light indicators keep you updated on your units operating condition.

Non-Touch Pilot Arc Torch

Pilot arc torch efficiently cuts through rough, painted, and rusty surfaces and produces minimal slag. And it allows you to cut without touching the tip to the metal. Better cutting quality and longer consumable life.

Advanced Cooling System

The advanced cooling system offer built-in over-heat protection, over-voltage protection, under voltage protection. Ensure the plasma cutter have a stable and durable high performance and safety in operation is assured.

Compact & Portable

The inverter plasma cutter has two handles and a thoughtful torch design that can provide a sure, comfortable grip, making the whole machine easy to take.

Wide Application

It is suitable to cut most metals such as stainless steel, alloy, aluminum, mild steel, carbon steel etc. Can be widely used at automotive, ducting work, repair & maintenance, metal processing, manufacture, site work etc.

Specifications

FINELINE 100

Input voltage, V	AC415±15%
Phase, φ	3
Frequency, Hz	50/60
Control mode	IGBT Inverter
Rated input capacity, kVA	15.2
Rated input current, A	25.6
Rated output voltage, V	120
Cutting current range, A	20-100
Open circuit voltage, V	275
No load voltage	350
Arc ignition mode	HF
Post flow time (s)	10
Power factor, Cosφ	0.93
Efficiency, %	85
Degree of protection	IP23
Insulation	H
Fuse protection, A	3x20
Quality cutting thickness, mm	0.3-25
Perforating thickness, mm	30
Max cutting thickness, mm	35
Suggested air pressure, kg	6-8
Air consumption, l/min	15
Power source cooling	Forced air
Cutting torch cooling mode	Air cooling
Arc striking method	Non-contact
Plasma gas	Compressed air
Dimensions (LxWxH), mm	581x282x545
Overall weight, Kg	48



Black Wolf straight handle cutting gun, can be used with numerical control

CNC Interface

Affordable Plasma Cutter for CNC which provides a 1:1 arc voltage signal, and judges the special signal of numerical control successfully. CNC special external cutting current regulation.



The modern IGBT inverter technology ensures that the FINELINE 100 delivers sustainable performance with more power and a higher duty cycle. Overload protection in combination with a built-in fan prevents overheating and ensures that high-quality cutting performance is guaranteed over a long period of time.



PLASMA TORCH HOLDER FOR PUG



CIRCULAR ROLLER GUIDE

Additions to Your Plasma (Optional)

IGBT

IGBT
The latest IGBT inverter technology guarantees the best welding performance.



Thermal protection
Prevents overheating of the welding machine.



2T/4T
2T: Press 1x for on. Release for off.
4T: Press and release 1x for on. Press again and release for off.



HF Ignition
High frequency ignition; ignition without touching the material.



Pilot Arc
Pilot arc ignition: This pre-ignition guarantees start-up of the plasma cutter.



Digital
Digital display.



Actual Cutting Real Shooting Effect

