

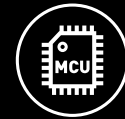


## MAXIARC 250-1/250-3/320 LT

Range marks a significant advancement in welding technology by offering MCU control system, large LCD display, superior performance, high duty cycle, efficiency, and versatility in a compact and user-friendly package. This range is suitable for professional welding purpose, highly quality welding job and heavy duty industry.

Portability/Stable Arc/Precise Settings/Start-up Performance/Fan on demand/Voltage Reduction Device (VRD)/Lift Tig make MAXIARC250-1/250-3/320 LT popular choices among welders looking for efficiency, portability, and enhanced welding performance in various applications.

## Machine Features



### Precise Settings

LCD display offers more precise control over welding parameters such as amperage and arc characteristics, allowing for better adaptation to different materials and thicknesses.



### Portability

It is 10 kgs, it is typically smaller, lighter, and more compact than traditional welding machines, making them easier to transport and maneuver.



### Stable Arc

Inverter technology often provides a more stable arc, which can lead to better weld quality and control.



### Start-up Performance

It often has superior start-up characteristics, providing instant arc ignition and minimizing sticking during welding.



### Fan on demand

Provides energy efficiency, reduced noise level and improved reliability.



### Voltage Reduction Device (VRD)

Enhances safety by reducing the risk of electric shock both during welding and when the machine is idle.



### Lift Tig

Allows welders to perform both stick(SMAW) welding and TIG(GTAW) welding using the same machine



# Machine details:

## Earth cable and earth clamp

Earth cable and earth clamp play critical roles in electrical safety by providing reliable grounding connections to protect personnel, equipment and facilities from electrical hazards and ensure proper functioning of electrical and welding system.

Cable section can be selected from 6mm<sup>2</sup> to 120mm<sup>2</sup>.

Color of PVC jacket can be customized.

Earth clamp types can be customized.



## Welding cable and electrode holder

Welding cables are flexible, highly quality insulation and heavy-duty cables designed to carry the electric current from the power source to the electrode holder and ultimately to the workpiece. High insulation, jaw mechanism and heat resistance ensure efficient welding operation and electrode performance.

Cable section can be selected from 6mm<sup>2</sup> to 120mm<sup>2</sup>.

Color of PVC jacket can be customized.

Electrode holder types can be customized.



## TIG 17-Torch

TIG 17 torch is generally a smaller and more compact torch. It typically features a smaller diameter handle and nozzle, making it suitable for welding in tight spaces. The TIG17 is often used for light to medium-duty applications. It is ideal for applications where control and maneuverability are important.



# Machine function

- 1 Phase** Single phase
- DC** Direct current
- CC** Constant current
- VRD Safe** Voltage Reduction Device
- 3 Phase** Three phases
- LCD Display** LCD Display
- MCU** MCU Control System
- Generator Friendly**
- PROTEC 275** 275V Tested in production
- 3 PROOF** Moisture proof  
Salt Spray proof  
Corrosion proof
- HS** Hot Start
- AF** Arc Force



Front view



Side view



Rear view

## Reliability



275Volts tested in production



Moisture proof  
Salt Spray proof  
Corrosion proof



Over heat protection



Over voltage protection



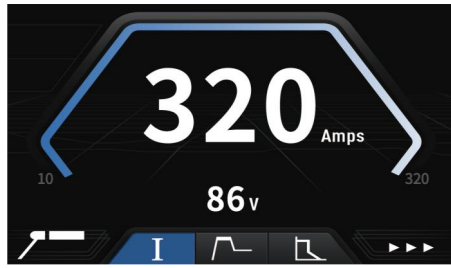
Over current protection

# Control Panel



## Features

- 4.3" LCD display for all welding settings display.
- Mode button for selections of Stick, Stick VRD and Lift tig mode.
- Encoder for features selection and parameters setting.



### The control pad for air plasma cut mode

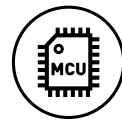
Cutting data setting includes mode switching (Stick, Stick VRD, Lift tig) , welding current, welding voltage, arc force, hot start



Error codes displayed on LCD screens can vary widely depending on the machine you are referring to. It indicates specific issues or malfunctions that the device has detected.

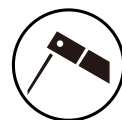


Languages and Units can be customized, and they can be selected easily from the menu setting on LCD display.



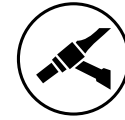
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## Machine parameters:

Model	MAXIARC 250-1		MAXIARC 250-3		MAXIARC 320 LT	
Input voltage	1-220V 50/60Hz		3-400V 50/60Hz		3-400V 50/60Hz	
Process	MMA	TIG	MMA	TIG	MMA	TIG
Effective current(A)	43.8	31	14.2	10.1	18.9	14.3
Rated input current(A)	56.5	40	18.3	13	24.4	18.4
Rated input power(KW)	13	9.2	12.7	9	9.8	7.4
Duty cycle 40°C 10min	60%250A 100%195A		60%250A 100%195A		60%320A 100%250A	
Welding current(A)	10-250		10-250		10-320	
No load voltage(V)	78.5		78.5		86	
Efficiency	85%		85%		85%	
Power factor	0.7		0.7		0.7	
Insulation class	F		F		F	
Protection class	IP21S		IP21S		IP21S	
Dimensions(mm)	420*190*285		457*189*350		485*240*445	
Net weight(kg)	8.8		10		17.6	