



# CUT 40E

**AIR PLASMA  
CUTTING MACHINE**  
*Non-HF ignition  
Pilot Arc  
LED Screen Display*



# CUT 30 E/ CUT 40 E

Air Plasma cutting/Grid Cutting Power Source  
LED Display



## Quick Specs

### Applications

Semi-Industrial

### Processes

MMA (SMAW)  
MMA VRD  
LIFT TIG

### CUT 30E

**Input Power** 1 phase 230V  
**Amperage Range** 20-35A  
**Net Weight** 5.6kgs  
**Dimensions** 420\*160\*285(mm)

### CUT 40E

**Input Power** 1 phase 230V  
**Amperage Range** 20-40A  
**Net Weight** 5.6kgs  
**Dimensions** 420\*160\*285(mm)

## CUT 30 E/ CUT 40 E

*WELD* The welder's Choice  
**FORCE**

Range represents a step up from basic entry-level models while offering a more affordable alternative to high-end industrial machines. This range is offering enhanced large LED display, performance, versatility, and ease of use at a more affordable price point. This makes them a popular choice for a diverse range of welding applications and skill levels.



## Reliability

**3**  
**PROOF**

Moisture proof  
Salt Spray proof  
Corrosion proof



**Over Voltage  
Protection**

Over voltage  
protection



**Over Current  
Protection**

Over current  
protection



**Over Heat  
Protection**

Over heat  
protection

Fan on demand/Gouging/Plasma fasten coupling/Air Plasma cutting/Grid Cutting/CNC connector/Non-HF ignition/Pilot Arc make CUT 30 E/ CUT 40 E popular choices among welders looking for efficiency, portability, and enhanced welding performance in various applications.

# Features and Benefits

## **Fan on demand**

Provides energy efficiency, reduced noise level and improved reliability.

## **Gouging**

It allows to do gouging in welding applications for removing unwanted metal, weld defects, or preparing a groove for welding, making it easier to repair or prepare workpieces for subsequent welding operations.

## **Plasma fasten coupling**

Plasma fasten coupling enhances operational efficiency, reduces downtime and improves secure connection and sealing.

## **Air Plasma cutting**

Plasma cutting produces clean, precise cuts with minimal cutting width, allowing for tight tolerance parts and intricate shapes. Faster cutting speed makes it suitable for high-volume production environments. Easy operation requires minimal operator skill compared to other cutting methods. It is should for metal fabrication, automotive , shipbuilding, construction and artistic and decorative cutting.

## **Grid Cutting**

Grid cutting allows for efficient use of materials by optimizing the layout and minimizing waste. It enables manufactures to maximize the yield from raw materials, reducing overall materials costs.

## **CNC connector**

CNC controlled can precisely follow programmed cutting paths with high accuracy. This ensures consistent and repeatable cuts, even for complex shapes and intricate designs. CNC connector allows for versatile cutting capabilities including straight cuts, curves, sharp angles and intricate patterns.

## **Non-HF ignition**

HF ignition is effective for initiating the arc, it can potentially interfere with nearby electronic equipment and sensitive devices due to electromagnetic interference (EMI). Non-HF ignition methods provide significant advantages in terms of reduced EMI, improved starting reliability, extended consumable life, safety enhancements and cost-effectiveness.

## **Pilot Arc**

Pilot arc ignition offers significant advantages in terms of reliability, versatility, cost-effectiveness, and safety in plasma cutting applications. It is particularly beneficial for industrial cutting tasks that require stable arc initiation, cutting of various materials, and prolonged consumable life.



**Side view**



**Front view**



**Rear view**

# Control Panel



## Control Panel Features

- LED screen display for all welding setting display.
- Working mode select button for Standard cutting, Grid cutting and Gouging.
- Standard cutting display.
- Grid cutting display.
- Gouging display.
- Air pressure adjustment.
- Cutting data setting display.
- Display for power on.
- Display of abnormal for over heat, over current.

# CUT 30 E/ CUT 40 E Optional Accessories

## Machine Optional Accessories

- Earth Clamp
- Plasma Torch-S45



# Genuine CUT 30 E/ CUT 40 E Accessories



## ***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.



## ***Plasma Torch-S45***

S45 is ideal for Non HF air plasma manual cutting torch with Pilot arc and air-cooled. Rating is 45A, the max. cutting thickness can be up to 25mm after working with Crepow 45amps and above air plasma cutter. Central connector makes setup and maintenance easier and reduces the likelihood of loose or faulty connections.



## ***Welding gloves***

Designed to provide protection to the hands and wrist of welders with excellent materials, heat resistance, insulation, durability and comfort.



## ***Welding apron***

Choosing the right welding apron depends on factors like the type of welding being performed (MIG, TIG, stick welding, etc.), comfort preferences, and the level of protection needed. Ensuring proper protection with a welding apron is essential for welders to work safely and confidently.

# Machine parameters

Model	CUT 30E	CUT 40E
Input voltage	1-230V 50/60Hz	
Effective current(A)	17.3	19.9
Rated input current(A)	27.3	31.5
Rated input power(KW)	6.3	7.2
Duty cycle 40°C 10min	40 %	
Welding current(A)	20-35	20-40
No load voltage(V)	375	
Max. thickness(mm)	≤25	≤25
Clean cutting thickness(mm)	≤16	≤16
Insulation class	F	
Protection class	IP21S	
Dimensions(mm)	420*160*285	
Net weight(kg)	5.6	5.6

# Special symbols



Single phase



Direct current



LED Display



Optional