



**STAUNCH**  
MACHINERY  
SINCE 1979

## STAUNCH Air Plasma Cutter CUT 50-100-160 (IGBT)



### Function & Features:

Cutting Manner: Air Plasma Cutting, etc.

Applicable Materials: Aluminum, Stainless steel, Alloy steel, Carbon steel, cast iron, etc,

### Precise Control System:

- 1- Advanced discrete IGBT full-Bridge inverter technology
- 2-PWM Pulse width modulation technology, stable cutting current, accuracy control performance, advanced technology.
- 1- Voltage-pressure compensation with strong capacity of power anti-fluctuation
- 2- High duty cycle rate.
- 3- Three proofing (anti-dust, damp proof, anti-corrosion).

### Excellent Performance:

- 1- Smooth cutting margin, high cutting precision, output current stable, little cutting tension and deformation.
- 2- IGBT controls the leading Arc and electric switch makes arc more stable.
- 3- Protecting environment with economic and efficient.

Perfect Protection System : Protection on over-current, over-heat and over-current, machine is more safe and durable.

### Personalized design:

- 1- Elegant appearance
- 2- Digital display makes the related data clear, intuitive and high precision in regulating control
- 3- 2T/4T function makes work much easier.
- 4- Post-flow time is adjustable (5s, 10s, 60s)

### Technical Data

Model	CUT 50C	CUT 100C	CUT 160
Input Power Voltage (frequency) (V,Hz)	220 ±10%V 50/60	380 ±10% 50/60	380 ±10% 50/60
Rated Input Power Capacity (KVA)	6.3	17	30
Output Current Adjustment Range(A)	10-48	30-95	40-60
No-Load Voltage (V)	250	300	350
Rated Output Voltage (V)	100	120	144
Duty Cycle (%)	60	60	60
Efficiency (%)	85	85	85
Power Factor (Cosφ)	0.93	0.93	0.93
No - Load Loss (W)	20	20	100
Arc Start	HF	HF	HF
Gas Flow(L/Min)	200	200	-
Weight (Kg)	9	28	55
Measurement (mm)	410X170X320	650X280X480	650X330X620
Insulation Class	F	F	H
Protection Class	IP21S	IP21S	IP21S
Max Cutting Thickness (mm)	15	40	50