

INVERTER BASED MECHANISED AIR PLASMA CUTTING MACHINE

AIRCUT IMech is inverter based Air plasma cutting machine specifically designed for mechanized cutting applications. Microprocessor based control gives consistent performance and precise control. The power source is designed for continuous operation on mechanized systems. High frequency operation coupled with higher output reactor delivers smooth output which results in better cut.

Features

- Inverter based with latest soft switching technology for higher reliability
- Better power factor
- Non High frequency pilot arc makes it CNC controller friendly
- 20% more piercing current than the full rated current
- Protection against under voltage, over voltage, and over temperature
- Adjustable Pilot Arc current
- Adjustable Post air flow time to allow sufficient cooling time for the torch
- Voltage feed back signal to the controller / Height controller
- Low Volume, Weight and power saving
- Microcontroller based for precision control
- Adjustable Piercing current and piercing time
- Up sloping of current to increase the life of electrode and nozzle
- Protection against air supply failure / Low air
- Adjustable down slope
- Air Test Function to set up the machine
- Cut start signal to the controller

Technical Specifications

Model	AIRCUT-100 IMech	AIRCUT-125 IMech
Input Power(KVA)	18	25
Current Range (A)	15~100	15~125
Weight	50	55
Piercing Current	15~120 Amps	15~160 Amps
Plasma Cutting Torch (Air Cooled)	125Amps	160 Amps
Production /Pierce Thickness	16 mm	20 mm
Cutting Taper	3-6 degree	3-6 degree
Edge Cutting Capacity	30mm	35mm
Input Supply - 380 ~ 440 Volts 3 Phase 50 Hz 3 Wire supply		
Open Circuit Voltage 300 V DC		
Pilot Arc Time (Sec) 0 ~ 10		Pierce Time (Sec) - 0~3
Up / Down Slope Time (Sec) 0 ~ 5		Air Post Flow Time (Sec) 0 ~ 60
Pilot Arc Current Range (A) - 15~40		
Duty Cycle 100 %		
Dimension(LxWxH mm) - 720 x 330 x 550		

Specifications may be subjected to change without notice.

