



**THE ONLY IGBT BASED  
INVERTERISED  
AIR PLASMA  
CUTTING MACHINE  
WITH LATEST NEEDLE  
BEAM TECHNOLOGY**



**ARCRAFT PLASMA**

EQUIPMENTS (INDIA) PVT. LTD.

### What is needle beam Technology and Why is it superior to other air plasmas ?

Highly Improved air swirl in the torch coupled with a refined design of electrode and nozzle results in a very constricted needle like plasma beam which gives the following benefits.

1. Dross and taper free cut
2. Extremely less power consumption for cutting any given thickness as compared to other machines.
3. Minimum change in metallurgical properties of cut metal

### What makes arcraft's machine most economical as compared to other machines.

1. Improved Cooling of torch results in extremely high consumable life
2. Less metal wastage due to highly constricted plasma
3. High cutting speeds at very low power consumption
4. Minimum post cutting operations due to dross and taper free cutting
5. Simple, rugged power source for trouble free operation requiring minimum maintenance.

### What are the unique features of arcraft plasma cutting machines

1. Right angle torch designed for maximum convenience of operator
2. Simple and easy to operate front panel
3. Well designed with extra large high speed cooling fan for 100% duty cycle.
4. Protection provided for power source and torch.
5. High quality air filter with moisture remover for best performance.

Model : ARC-CUT	10i	16i	25i	30i	40i	50i	IGBT based Inverterised Plasma Cutting Machine
<b>Technical DATA</b>							IGBT based inverterised plasma cutters from the most trusted brand in the field of welding and cutting <b>ARCRAFT PLASMA</b> Full wave control enables very smooth arc with softstart giving to thermal jerks on the electrode & nozzle ensuring 25% higher life over conventional cutters. Advanced innovative design makes these machines offer high power efficiency, light weight & highly reliable. Capable of cutting from gauge thickness, with wide choice of range of maximum cutting capacity. Fully protected & shielded for the EMI enable these machines to be capable of interfacing with the CNC or robotic application. Low OCV ensures operator's safety in all working conditions without compromising on the cutting quality, smooth arc striking, efficiency & high power factor. Special gouging nozzle makes the machine capable of using for gouging application as well. Option of Water cooled torch on high capacity machine. Optional facility of touch start (cutting without pilot arcing) can be provided on request.
Cutting Capacity SS/MS							
Clean Cut mm	6	10	16	25	32	40	
Parting Cut mm	10	16	25	32	40	50	
Torch Cooling	AIR	AIR	AIR	AIR	AIR	AIR	
Duty Cycle %	100	100	100	100	100	100	
<b>Power</b>							
3 Phase 50Hz							
With Neutral Volts	380/415	380/415	380/415	380/415	380/415	380/415	
Rated Input KVA	4.8	6.5	9.8	12.8	15.5	19.5	
<b>Output current DC AMP</b>							
Max O.C.V. Volts	30	40	60	80	100	120	
<b>Air Compressor LPM</b>							
Bar	260	260	260	260	260	260	
<b>Dimension</b>							
Width mm	340	340	560	560	560	560	
Height mm	9	9	11	11	11	11	
Length mm	540	540	540	540	450	450	
Weight kgs	700	700	700	700	770	770	
	860	860	860	860	1100	1100	
	19	19	25	25	27	30	

**Clean Cut :** Absolute dross free and smooth cut with 90° on one cut face max 2° bevel on other.

**Parting Cut:** Max cutting capacity where some dross will be generated and grinding will be required, cut will be taper on both plates.

### Arcraft has

- Over 600 satisfied customers.
- 18 years of Air Plasma cutting, 12 years of inverter welding.
- Fully trained and equipped after sales service department agents / distributors all over India to provide 24 hrs customer service.
- Full equipped R & D center with all test equipment / machinery manned by qualified engineers.

### Range of Products

- IGBT based welding machines upto 400 amps for Stick and Tig welding etc.
- PTA hardfacing and cladding
- Plasma welding upto 10mm thick
- Plasma heating and melting systems

Specifications are subject to changes without notice.



ARCRAFT

**ARCRAFT<sup>®</sup> PLASMA**  
**EQUIPMENTS (INDIA) PVT. LTD.**

**Manufacturers of Metal Cutting and Welding Equipments**

124, Diamond Ind. Estate, Ketki Pada Road, Near Check Naka, Dahisar (E), Mumbai - 400 068

• Tel : 28965890 / 5745 / 3247 • Fax : 28966418 • E-mail: arcraft@vsnl.com • Website: www.arcraftplasma.com