



**THE ONLY 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 aircraft'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 aircraft plasma cutting machines

1. Right angle torch designed for maximum convenience of operator
2. Simple and easy to operate front panel
3. Well designed transformer 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	10	16	25	30	40	50	40-3S	50-3S	60-3S	70-3S	100-3S
Technical DATA											
Cutting Capacity SS/MS											
Clean Cut mm	6	10	16	25	32	40	32	40	50	60	80
Parting Cut mm	10	16	20	32	40	50	40	50	60	70	100
Torch Cooling	AIR	AIR	AIR	AIR	AIR	AIR	AIR	AIR	Water	Water	Water
Duty Cycle %	100	100	100	100	100	100	100	100	100	100	100
Power											
3 Phase 50Hz											
With Neutral Volts	380/415	380/415	380/415	380/415	380/415	380/415	380/415	380/415	380/415	380/415	380/415
Rated Input KVA	6	8	11	15	18	25	18	25	29	33	50
Output current DC AMP											
Max O.C.V. Volts	30	40	60	80	100	120	100	120	150	180	250
Air Compressor LPM											
Bar	340	340	560	560	560	560	560	560	340	340	340
Dimension											
Width mm	9	9	11	11	11	11	11	11	9	9	9
Height mm	540	540	540	540	450	450	450	450	450	450	900
Length mm	700	700	700	700	770	770	770	770	770	770	770
Weight kgs	860	860	860	860	1100	1100	1100	1100	1100	1100	1100
	70	140	180	210	225	250	260	280	310	350	550

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 tapered on both plates.

3S : Output current control in three steps.
Water cooled Torch option available for all models.

Aircraft has

- Over 600 satisfied customers.
- 13 years of Airplasma cutting, 8 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. Plasma welding upto 10mm thick PTA hardfacing and cladding Plasma heating and melting systems

Specifications are subject to changes without notice.



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Manufacturers of Metal Cutting and Welding Equipments