AIR PLASMA CUTTING

No more oxy-fuel cutting

Tech Pro

(AN ISO 9001:2000 & 14001:2004 CERTIFIED COMPANY)

PROCESS :

Air when heated up to 30, 000^0 F undergoes ionic changes & reaches the fourth state of matter, called Plasma. Instead of expensive Argon or Nitrogen, we use only compressed air for plasma formation. Hence its called Air Plasma.

APPLICATION :

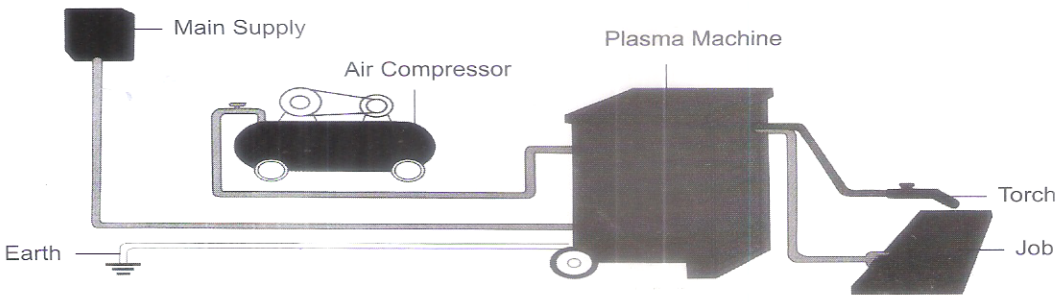
Air plasma can be used to cut following metals: Mild Steel, Stainless Steel, Carbon & Alloy Steel, Aluminium & its Alloys, Copper, Casting, Bronze, Brass, Manganese Steel & Special Alloys etc.

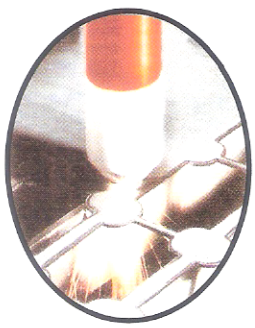
THE BENEFITS OF PLASMA ARC CUTTING

Plasma Arc cutting is an excellent choice for most cutting applications but it is particularly well suited for applications where speed and excellent cut quality are important. Because of the intense heat of the Plasma Arc, around 30, 000^0 F, compared to 5, 700^0 F with gases used for Oxy-Fuel torches, the cut is clean with little or no dross.

The Plasma arc also cuts ferrous and non-ferrous metals much faster than Oxy-Fuel torch or abrasive saws, with low or no heat affected zone, especially on thinner metals. A clean cut with little or no dross means lesser time and lesser money spent to finish the work piece. Parts are virtually weld-ready.

MODEL	Primary voltage	Secondary voltage	Arc current	OCV	Power rating	Insulation	Duty cycle	Clean cut	Parting cut
MPT- 6	380-440 V	260-280V	40 Amps.	240 VDC	6 KW	"F" Class	60%	6mm	10mm
MPT- 10	380-440 V	260-280V	60 Amps.	260 VDC	10 KW	"F" Class	60%	10mm	15mm
MPT- 16	380-440 V	260-280V	80 Amps.	280 VDC	18 KW	"F" Class	60%	20mm	25mm
MPT- 30	380-440 V	260-280 V	100 Amps.	320 VDC	26 KW	"F" Class	60%	30mm	35mm





Tech Pro series of Air Plasma cutting machine are compatible with PUG cutting machine & Profile cutting machine.