

PLASMA CUTTING MACHINE (IGBT INVERTER BASED)



With the help of oil free compressed air delivery at 5.5kg/cm^2 & electricity cut all metals like Stainless Steel, Mild Steel, Copper, Brass, Aluminum, Inconel, Monel, Titanium, Nickel, Chrome, Bronze, Galvanized Steel, Heated Steel, Wear Plates etc.

MODELS: Plasma 45i, Kali 45i, Kali 80i, Kali 100i, Kali 200i

FEATURES:

- Efficiency and Power factor over 90%.
- Saving over 50% compared to conventional machines.
- Air Cooled torch with 6 meters long cable.
- Unique torch design which allows operator to place the torch on the job being cut.
- Safety interlocks for operators & machine against high/low voltage, low Air pressure etc.
- Design takes care of EMI interference which is prominent with other machines.
- Post cutting operations such as grinding of dross etc. almost eliminated.
- Having facility of Gouging.

ONLY TWO CONSUMABLES

- Electrodes and Nozzle.
- Work on Generator Supply.

STANDARD SCOPE OF SUPPLY:

- Heavy Duty water cooling & circulating unit with water tank, radiator and cooling fan.
- Water cooled Air Plasma Cutting Hand Torch Model KH-200 along with 6 mtrs. of cable hose assembly.
- Electrode & Nozzle & 'O' Ring set - 5 sets.

OPTIONAL ACCESSORIES:

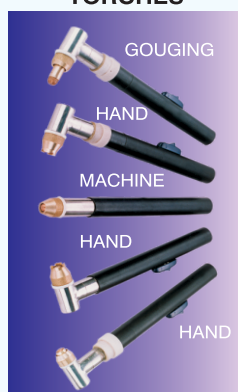
- Water cooled plasma cutting torch assembly of 6 meters suitable for Mechanised operation.
- Motorised trolley Model "Cut Master" suitable for straight cutting with 1.8 mtrs long rack and circle cutting attachment.

TECHNICAL SPECIFICATIONS

MODEL	KALI 80i
Input Supply	3Ph., 415Volts, 50Hz, Max. 40Amps
Max. OCV, Volts	400
Rated Output Current	20 - 60Amps., $\pm 10\%$
Duty Cycle @ 60%	50 Amps.
Cutting Range, (Fine / Coarse)	25/32 mm
Cut Speed	10ipm for 25mm, 5ipm for 32mm
Max. Air Pressure	6 bar
Max. Air Flow Rate	220 L/min
Protection Class	IP 23
Insulation Class	"H"
Power Source Cooling	Forced Air
Reco. Torch Cooling	Air
Weight without Torch	40kgs. Approx.

AIR COOLED TORCHES

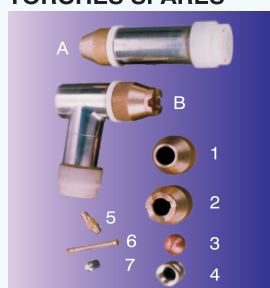
TORCHES



GOUGING
SAMPLE

- Torch head is quick connection type and same can be replaced within minutes without use of any tools / spanners.
- Torch has facility to adapt gouging torch to the same cable hose assembly.

TORCHES SPARES



- A. Machine Torch Head
- B. Manual Torch Head
- 1. Front Cap for Machine Torch
- 2. Front Cap for Manual Torch
- 3. Nozzle
- 4. Nozzle Holder
- 5. Electrode Holder
- 6. Contact Tube
- 7. Electrode

STANDARD ACCESSORIES

- Plasma Hand Cutting Torch - 6 mtrs. Long cables & hoses.
- Plasma Machine Cutting Torch - 6 mtrs. Long cables & hoses for mechanized cutting.
- Circle cutting guide.
- Air Filtration kit, Water separator.

TECHNOCRATS PLASMA SYSTEMS PVT. LTD.



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