Electro-Plasma
Equipments Pvt. Ltd.

104 Acme Industrial Park, I. B. Patel Rd, Goregaon (E), Mumbai - 63, India.

Tel.: +91-22-4020 3456 / +91-22-2686 2843 / 5065
Fax: +91-22-2874 1485
Email: sales@airplasma.com

Plasma Welding Machines

- IGBT based inverter power supply saves precious power .
- Advanced inverter design system delivers continuously adjustable constant current output.
- Gives you stable arc at as low as 0.5 Amps.
- High open circuit voltage ( ) for good arc striking and for good quality welding.
- Electronic pilot arc system ensures soft start and reliable arc striking.
- No load power consumption is very low (<0.1 V).
- Stepless setting for pilot arc & main arc current.
- Local or remote arc current setting.
- Actual welding current & pilot arc current can be seen on front panel digital display.

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Klein Schweisser 150 Plasma

Details	Klein Schweisser 150 Plasma
Input supply	220 V AC, 1 Phase, 50Hz.
Operating supply voltage range	180 V AC to 250 V AC.
Input Power	4.8 KVA at 150 Amps.
Open circuit voltage (Main arc)	95 V DC to 105 V DC.
Welding current range	1.0 Amps. DC to 150 Amps. DC.
Welding current control	Stepless with fine control.
Base current	5 Amps. DC to 150 Amps. DC.
Up slope	0 to 10 sec.
Down slope	0 to 10 sec.
Pulse frequency	1 Hz to 1000 Hz System
Pulse on time	10 % to 90 %
Pre flow	0 To 10 sec.
Post flow	0 To 10 sec.
Arc starter	Electronic pilot arc.
Open circuit voltage (Pilot arc)	100 V DC to 120 V DC.
Pilot arc current	2.0 Amps. DC to 5.0 Amps. DC.
Duty cycle @ 40 deg.cel.Amb.	100 % at 120 Amps.
Class of insulation	H class.
Cooling	Forced air cool.
Protection	IP-21.
Pilot gas supply	Argon, 25 PSI at 0.5-5 ltrs./min.
Shield gas supply	25 PSI at 1-15 ltrs/min pure argon or various mixtures as determined by desired arc char. & metallurgy of the work material.
Weight	55 Kg. Approx.

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External Dimensions (L. W. H.)	1005mm. 500mm. 530mm.

Klein Schweisser 400 Plasma

Details	Klein Schweisser 400 Plasma
Input supply	415 V AC, 1 Phase, 50Hz.
Operating supply voltage range	370 V AC to 460 V AC.
Input power	10.5 KVA at 400 Amps.
Open circuit voltage (Main arc)	95 V DC to 105 V DC.
Welding current range	5.0 Amps. DC to 400 Amps. DC.
Welding current control	Stepless with fine control.
Base current	10 Amps. DC to 400 Amps. DC.
Up slope	0 to 10 sec.
Down slope	0 to 10 sec.
Pulse frequency	1 Hz to 1000 Hz
Pulse on time	10 % to 90 %
Pre flow	0 To 10 sec.
Post flow	0 To 10 sec.
Arc starter	Electronic pilot arc.
Open circuit voltage (Pilot arc)	100 V DC to 120 V DC.
Pilot arc current	2.0 Amps. DC to 5.0 Amps. DC.
Duty cycle @ 40 deg.cel.Amb.	100 % at 250 Amps.
Class of insulation	H class.
Cooling	Forced air cool.
Protection	IP-21.
Pilot gas supply	Argon, 25 PSI at 0.5-5 ltrs./min.

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Shield gas supply	25 PSI at 1-20 ltrs/min pure argon or various mixtures as determined by desired arc char. & metallurgy of the work material.
Weight	55 Kg. Approx.
External Dimensions (L. W. H.)	1005mm. 500mm. 530mm.

Turbo Arc 600 i 10 Plasma Weld

Details	Turbo Arc 600 i 10 Plasma Weld
Input supply	415 Volts, 3 Phase, 50Hz.
Operating supply voltage range	370 Volts AC to 460 V AC.
Input power	22 KVA at full load.
Pilot arc current range	5 Amps. DC to 20 Amps. DC.
Pilot arc current control	In steps of 0.01 Amps. (digital control).
Main arc open circuit voltage	90 Volts DC.
Pre flow	0 To 10 sec (In steps of 0.1 secs.).
Post flow	0 To 30 sec (In steps of 0.1 secs.).
Up slope timing	0 To 10 sec (In steps of 0.1 secs.).
Down slope timing	0 To 10 sec (In steps of 0.1 secs.).
Hot start	0 To 100% (In steps of 0.1%).
Soft start	0 To 100% (In steps of 0.1%).
Pulse frequency	0 To 1000 Hz (In steps of 0.1 Hz).
Pulse frequency type	Square wave / Sin wave / Triangular wave (with start & stop delay).
Base current	0 To 600 Amps (In steps of 0.01 Amps).
Pulse on time	0 To 100% (In steps of 0.1%).
Mode	Manual (2T/4T) / Semi auto / Fully auto / Direct mode / Test mode.
CPU	Modular Din rail type (Beckhoff Germany).
Bus Terminals	Modular fieldbus system (Beckhoff Germany).

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Communication	ETHER CAT (Beckhoff Germany).
Remote console	Colour display with touch screen control.
Class of Insulation	H class.
Duty cyvcle	70%.
Protection	IP - 21.
Cooling	Forced air cooled.
Pilot Gas	Argon (25 PSI at 0.5 - 5 Ltrs/min).
Shield gas supply	25 PSI at 1-15 Ltrs/min pure argon or various mixtures as determined by desired arc char. & metallurgy of the work metal.

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Special Machine Features

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- Electronic pilot arc system ensures soft start and reliable arc striking.
- No load power consumption is very low (<0.1 V).
- Stepless setting for pilot arc & main arc current.
- Local or remote arc current setting.
- Actual welding current & pilot arc current can be seen on front panel digital display.
- High temp protection with indication.
- Under voltage / over voltage / over current protection.
- Single phasing protection. (For 3 phase systems.)
- Low gas & low water pressure protection.
- Logic fail protection (ensures IGBT safety).
- High efficiency more than 90 %.
- AAT & 2T/4T mode.
- Equipped with gas pre flow/post flow, up slope/down slope, peak & background current adjustment, pulse frequency, pulse on time setting.
- Cnc/Robotic machine interface option for automated control.
- Easy to use.