

## DIGITAL INVERTER BASED AC/DC SQUARE WAVE TIG WELDING MACHINE

INTIG-AC/DC Series machines are microprocessor controlled fully digital IGBT inverter based arc welding power source with soft switching technology. They are widely used for DC TIG, DC PULSE TIG / AC Square wave TIG and AC Square Wave Pulse TIG welding in various metals including Al. and Mg alloy.

### Features

- Advanced **Soft Switching** technology, hence more reliability.
- Micro controller based technology for precise setting of welding parameters.
- Under voltage, Over voltage, Phase absence and over heat protection.
- Digital preset of all welding parameters.
- Memory channels to store parameters.
- High Efficiency, Better power factor.
- Light Weight but high duty cycle.
- Built in High Frequency.
- Gas Check facility.
- 2/4 Step function.

### Basic Outfits

- Power Source
- Water Cooling System
- Tig torches 4 /8 mtrs.
- Regulator + Flowmeter
- Flowswitch
- Earthing Cable with clamp
- Trolley
- Starter Kit
- Remote socket for torch trigger switch

### Optional Accessories

Wired Remote Controller

### Technical Specifications

Model	Peak / Base Current (A)	Input Power (KVA)	Open Circuit Voltage (V)	Max Welding current	Dimensions (L x W x H mm)	Weight (Kg)
<b>INTIG - 350 AC/DC OUTFIT</b>	DC 10- 350 AC 20~350	11	70 ~ 80	MMA 255 TIG 350	1010x400x1340	110
<b>INTIG - 501 AC/DC OUTFIT</b>	DC 10-355 AC 20~500	19.5	70 ~ 80	MMA400 TIG 500	1010x400x1380	122

Input Supply -230 V Single Phase 50Hz Supply for Water Circulation Unit.

Input Supply – 380-440 V 3- Phase 50Hz Supply for Power Source

Duty Cycle – 60% (40°C & 10Min.)

Down Slope Time (Sec.) – 0.1 ~ 15

Efficiency (%) – 85

Pulse Frequency (Hz) – 0.2 ~ 99.9

Gas Pre Flow ( Sec.) – 0 ~ 5

Pulse Duty Cycle (%) – 10 ~ 90

Post Gas Flow ( Sec.) – 0 ~ 20

AC Welding Frequency (Hz) – 20 ~ 200

Up Slope Time (Sec.) – 0.1 ~ 10

Power factor – 0.9

Specifications may subjected to change without notice.

- 14 Ltrs. Water tank made from heat resistant PVC material
- Specially designed Vortex pump with brass body.
- Three stage copper tube cooling radiator combine with separate high speed fan ensures efficient heat transfer to keep the torches cool.
- Water level indication.
- High Speed Cooling fan for Water Circulation Unit.

