

## DIGITAL INVERTER BASED AC / DC SQUARE WAVE PULSE-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 Pulse TIG welding in various metals including Al. and Mg alloy.

### Features:

- Microprocessor controlled technology.
- Advanced **Soft Switching** inverter technology.
- Adjustable Pre-flow, Post-flow, Up-Slope, Down-Slope.
- Adjustable Ac Balance, Pulse ratio, Ac frequency.
- Easy operation as it is single knob control.
- Digital display of current with precise preset function.
- High Power factor & Efficiency.
- High Switching Frequency, hence low volume & weight.
- Built in High Frequency.



### Basic Outfits

Power Source,  
Remote socket for Torch trigger

### Optional

TIG Welding Torch  
Water Circulation system

### Technical Specifications

| Model           | Input Power<br>(KVA) | Current Range<br>(A) | Weight<br>(Kg) |
|-----------------|----------------------|----------------------|----------------|
| INTIG-315 AC/DC | 13.8                 | 5-315                | 55             |
| INTIG-500 AC/DC | 25                   | 20-500               | 80             |
| INTIG-630 AC/DC | 35                   | 20-630               | 100            |

  

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| Input Supply – 380-440 V 3-Phase 50Hz Supply |
| Pulse Frequency (Hz) – 0.2-50                |
| AC Frequency (Hz) – 20-200                   |
| Efficiency at full load (%) – 89             |
| Power Factor – 0.95                          |
| AC Balance – -50% – +40%                     |
| Pulse Ratio – -40% – +40%                    |
| Duty Cycle – 60% (40°C & 10 Min.)            |

Specifications may subjected to change without notice.