



Product Overview

This **ACDC Pulse TIG Welding Machine** is a versatile, high-performance welding solution designed for **precision, durability, and efficiency**. Delivering up to **300 A output** on a **single-phase 220 V power supply**, it is ideally suited for welding **aluminium, stainless steel, and mild steel**.

The integration of **advanced Pulse technology and AC/DC TIG functionality** ensures **minimal heat distortion**, precise arc control, and superior weld quality, making the machine suitable for **industrial, fabrication, and professional welding applications**.

Technical Specifications

Parameter	Details
Input Voltage	220 V ±10%, Single Phase, 50/60 Hz
Output Current Range	10 A – 300 A
Duty Cycle	60% at 300 A
Pulse Frequency	0.2 – 500 Hz
AC Frequency	50 – 250 Hz
Power Efficiency	≥ 85%
Cooling System	Fan-cooled
Weight	Approx. 26 kg
Dimensions (L × W × H)	510 mm × 230 mm × 400 mm
Welding Modes	TIG (AC/DC), MMA
Protection Class	IP23
Arc Start	High-Frequency (HF)

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



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Key Features

Advanced AC/DC Functionality

- Enables seamless switching between AC and DC modes for welding aluminium, stainless steel, and mild steel with high precision.

Pulse Welding Technology

- Adjustable pulse frequency and width provide improved heat control, deeper penetration, and reduced distortion.

High-Frequency Arc Start

- Ensures smooth, reliable, and contamination-free arc initiation.

Digital User Interface

- User-friendly digital controls with clear display for accurate parameter setting.

Compact & Lightweight Design

- Portable construction suitable for workshop as well as on-site welding operations.

Dual Welding Modes

- Supports both TIG and MMA welding for versatile application coverage.

Efficient Cooling System

- Fan-cooled design ensures stable operation and extended service life.

Energy-Efficient Operation

- Optimized power consumption for cost-effective performance without compromising output.

Applications

- **Aerospace:** Welding aluminium and lightweight structural components
- **Automotive:** Fabrication of exhaust systems, frames, and precision parts
- **Fabrication Workshops:** Stainless steel and mild steel fabrication
- **Shipbuilding:** Precision welding for marine structures
- **Maintenance & Repair:** Suitable for detailed and complex repair tasks

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Package Inclusions

1. ACDC Pulse TIG Welding Machine
2. TIG Torch with 4-meter cable
3. Ground Clamp with 3-meter cable
4. Gas Hose
5. Electrode Holder for MMA Welding
6. User Manual
7. Warranty Card

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