

AC/DC Pulse TIG Welding Machine

This AC/DC pulse TIG welding machine uses IGBT switches and advanced inverter technology. PWM control technology and constant current output provide precise welding current control and large-scale continuous adjustment.



ADDITIONAL IMAGES



Overview

Advanced Inverter Welding Technology

This AC/DC Pulse TIG welding machine utilizes advanced IGBT inverter and MCU control technology to deliver precise, constant current output. Designed for both professional and industrial environments, it features comprehensive welding modes including AC TIG, DC Pulse TIG, and MMA. With built-in energy-saving capabilities and robust protection against environmental factors, this unit ensures high-quality welds with minimal material deformation.

Technical Capabilities

Welding Modes	AC TIG, DC Pulse TIG, DC TIG, MMA
Compatible Materials	Carbon Steel, Alloy Steel, Cast Iron, Stainless Steel, Aluminum, Aluminum Alloy

Control & Performance

Control Features

- IGBT Inverter Technology
- PWM Control
- MCU Control
- AC Balance Control
- Pulse Frequency Control
- 2T/4T Trigger Modes
- Pre-flow and Post-flow Gas Control

Performance Metrics

- Anti-stick protection
- Hot start
- Arc force adjustment
- Over-current protection
- Over-heat protection

Efficiency & Durability

Environmental Resistance

Moisture-proof • Anti-corrosion • Anti-vibration • Anti-conductive dust

Energy Efficiency

30 %

Energy Saving