

# TIG 200Amp AC/DC Welding Machine Square Wave, Pulse, Remote Control

**Welds:** Aluminium, Zinc Alloy, Carbon Steels, Alloy Steels, Stainless, Cast Iron, Bronze, Copper



## KUMJR200AC/DC

### Features

- Latest IGBT Inverter Technology
- AC/DC Tig (AC/DC tungsten inert gas welding)
- HF Tig Function (provides easy arc start, prevents tungsten damage)
- 2/4T Trigger Function
- AC Square Wave with Adjustable AC Balance Control
- Adjustable Pulse Control - 0.5 - 300Hz
- Adjustable Base Current 10-90%
- Adjustable Down Slope 0-10 sec
- Adjustable Post Gas 0-10 sec
- MMA (stick electrode)
- Hot start (improves electrode starting)
- Arc Force (stabilises the arc with difficult to use electrodes)
- Remote Amperage Control - Optional

**3 YEARS Warranty**  
(Power Source)



Standard Amperage Control for torch

### Technical Data

Power Supply / Phases (V-Ph)	240V - 1 ±15%
Rated Input Power (KVA)	5.8
ieff (Amps)	14.6 (TIG)
Rated Input Current (A)	24
Rated Output	20-170A/26.8V MMA 10-200A/17.4V TIG
No-Load Voltage (V)	56
Duty Cycle @ 40°C as per AS/NZ60974	20%@170Amps MMA 20%@200Amps TIG
Efficiency (%)	85
Power Factor	0.93
Protection Class	IP21S
Insulation Class	F
Size (mm)	510x330x360
Weight (kg)	30Kg
Warranty	3 years on power source



UTJRFC  
Remote Foot Control Option

UTJRTROLLEY  
Trolley Option

### Overview

The KUMJR200AC/DC is a 240V square wave AC/DC TIG inverter welder incorporating full TIG functionality including AC balance control, pre gas, down slope, post gas, variable pulse parameters, HF start with 2/4T trigger control. The HF arc start provides easy arc ignition leaving no tungsten inclusion and no contamination of the tungsten electrode. The Down Slope and Post Gas combined with the 2/4T trigger function gives you control of the welder allowing you to control the start and finish of the weld process at a professional level. The addition of a fully adjustable pulse function of frequency, base current and pulse width gives you the added capability to better control heat input into the work, control penetration & control distortion. AC balance control lets you set the AC TIG arc for cleaning of the oxide layer on aluminium and adjustment for a deeper penetrating weld. Combining the functions of the KUMJR200AC/DC ensures comprehensive control of the welding parameters when welding both AC and DC weldable materials giving you the ability to produce professional Tig welds. The DC MMA welding capability delivers a smooth and stable arc allowing easy welding with electrodes obtaining high quality welds including cast Iron, stainless and low hydrogen. Addition of the optional Foot Control provides variable amperage adjustment during welding. The UNI-MIG KUMJR200AC/DC has set the benchmark for 240V single phase AC/DC welders and made it ideal for multiple applications; aluminium & stainless steel fabrication, light industrial use, repair and maintenance applications. Robust & reliable, built to our specification and manufactured in compliance to AS/NZ60974.1

### MACHINE PACKAGE: KUMJR200AC/DC

Standard option includes: KUMJR200AC/DC Machine, SR26 Tig Torch x 4m, Earth Lead & Arc Lead 25mm x 4m, Argon Regulator, 2M Gas Hose with fittings