

# RAZORWELD TIG200PRZ

## TIG/MMA - 200 Amp DC Digital Inverter Welder

Welds: Steels, Stainless, Cast Iron, Bronze, Copper

RazorWeld



# RAZORWELD TIG200PRZ

## TIG/MMA 200 Amp 230V Single Phase DC Welder HF Start, Digital Interface with Pulse Adjustment Industrial Rated 40KHz Inverter



### Features

- Latest 40KHz inverter frequency technology
- DC-TIG with Digital Welding Program Control
  - HF Arc Ignition (prevents tungsten inclusion & tungsten damage)
  - Adjustable Pulse Frequency 0.5~200Hz
  - Peak Current, Base Current and Pulse Width Adjustment
  - Pre and Post Gas Flow Adjustment
  - Start & Final Current Adjustment
  - Up and Down Slope Adjustment
  - 2/4T Trigger & Spot Time Adjustment
  - Remote Torch Amp Control
- MMA (stick electrode)
  - Arc Ignition Adjustment
  - Adjustable Arc Force (boosts current to prevent electrode extinguishing)
- Thermal Overload Protection
- Generator compatible (recommend 7.0 kVA minimum)



XA-TIG200PRZ  
Standard Package



Optional machine accessories available - refer page refer page 24

### Technical Data

Power Supply	240V 1-Phase $\pm 15\%$
Rated Input Power	7.0 kVA
I <sub>eff</sub> as per AS/NZ60974-1	14.6 Amps
Rated Output	160 Amps / 26.4V MMA 200 Amps / 18.0V TIG
Welding Current Range	10 ~ 180 Amps MMA 05 ~ 200 Amps TIG
No Load Voltage (OCV)	72V
Duty Cycle @ 40°C as per AS/NZ60974-1	25% @ 180 Amps MMA 25% @ 200 Amps TIG
Duty Cycle @ 25°C (approximate)	55% @ 180 Amps MMA 55% @ 200Amps TIG
Efficiency	85%
Power Factor	0.70
Protection Class	IP21S
Insulation Class	F
Dimensions (LxWxH)	365 x 135 x 277mm
Weight	6.5 Kg
Certification Approval	AS/NZ60974-1

### Overview

The RazorWeld TIG200PRZ is a high quality welding machine with a primary function of DC-TIG with HF Arc Ignition and Pulse capability via an easy to use Digital Weld Program Control, with the added convenience of MMA (stick electrode) welding function. Produced using the very latest generation 40KHz IGBT inverter technology; this machine offers remarkably smooth and stable arc characteristics, even at low amperage levels. The HF Arc Ignition provides Pre-Gas and instant start with the press of the torch switch, leaving no tungsten inclusion and no contamination of the tungsten electrode. Digital preset of Pre-Gas time, Start Current level, Up Slope time, Down Slope time, Finish Current level and Post-Gas time combined with the choice of 2T or 4T trigger function allows you to control the weld process at the highest professional level from start to finish. Digital Pulse Frequency controls allow full parameter setting of Peak Current, Base Current, Pulse Frequency and Pulse Width, allowing for manipulation of heat input to the work, controlling penetration and minimising distortion. Our unique Torch Remote Control Interface provides remote amperage control from the torch in both static and live welding modes. The MMA welding function delivers a smooth and stable arc allowing high quality welds including cast Iron, stainless and low hydrogen. The adjustable Arc Ignition and Arc Force allows you to set the ideal arc condition no matter what electrode you choose. The TIG200PRZ is a professional machine popular with those involved with high-end stainless steel fabrication, dairy & food industries, site welding and general repair and maintenance work. Designed and built to our specification and manufactured in compliance to AS/NZ60974-1.

### Product Code: XA-TIG200PRZ-T2

Standard Package includes: XA-TIG200PRZ Machine, ARC T2FX Flexi Tig Torch x 8m, Arc Set 25mm x 4m, Argon Regulator



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