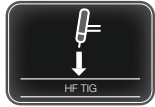


# RAZOR DIGITAL 200 AC/DC TIG/MMA - Digital Inverter Welder

**Welds:** Aluminium, Magnesium, Zinc Alloys, Steels, Stainless,  
Cast Iron, Bronze, Copper

**UNIMIG**  
*RazorWeld*

## FEATURES



**AC/DC TIG with HF ignition**  
10 ~200 Amps  
Duty Cycle 25% @ 200Amps



**MMA Stick mode - 10 ~ 160 Amps**  
Duty Cycle 30% @ 160Amps



**Touch button**  
- 2T / 4T / SPOT  
- AC / AC Pulse / DC / DC Pulse / MMA



**Weld Cycle**  
- AC Square Wave 20 - 250Hz  
- AC Balance Control Adjustable  
- Pulse Frequency 0.2 - 200Hz  
- Pulse Width 10 - 90%  
- Base Current 10 - 200A  
- Up Slope 0 -10 sec  
- Down Slope 0 -15 sec  
- Pre Gas 0 - 3 sec  
- Post Gas 0.5 -15 sec



**Manufactured in compliance  
to AS/NZ60974.1**



### Technical Data

Power Supply / Phases (V-Ph)  
Rated Input Power (KVA)  
I<sub>eff</sub> (Amps)  
I<sub>max</sub> (Amps)  
Rated Output

No-Load Voltage (V)  
Duty Cycle @ 40°C as per AS/NZ60974

Efficiency (%)  
Power Factor  
Protection Class  
Insulation Class  
Size (mm)  
Weight (kg)

240V - 1 ±15%  
6.0  
15  
29  
10-160A/26.4V MMA  
10-200A/18.0V TIG  
25%@200Amps TIG  
30%@160Amps MMA  
85  
0.70  
IP21S  
B  
426x162x326  
10Kg

### Overview

The RAZOR200ACDC is a Digital Controlled Square Wave AC/DC TIG inverter welder. Intelligent digital control of the main functions are realised by software providing ease of operation and high accuracy. Full TIG functionality, offering simple step by step digital control of functions and parameters providing complete professional control. HF arc ignition provides pre-gas with instant arc ignition leaving no tungsten inclusion or contamination of the tungsten electrode. Digital set of Pre Gas Time, Start Current, Up Slope and Down Slope Time, Finish Current Level and Post Gas Time with the choice of 2T or 4T trigger function allows control of the welding process at a professional level from start to finish. Digital Pulse Control gives full parameter setting of Peak & Base Current, Pulse Frequency & Pulse Width providing control of heat input, penetration & distortion. AC Square Wave Balance gives control of the electron flow at the tungsten, the AC TIG arc can be adjusted from maximum oxide-layer cleaning on aluminium through to a deeper penetrating weld. Remote Control Interface provides optional remote amperage control at the torch or foot-pedal control. DC MMA welding delivers a smooth and stable arc for easy welding of electrodes producing high quality welds including cast Iron, stainless and low hydrogen. Arc Ignition and Arc Force control allows you to set the ideal arc condition no matter what electrode you choose. Optimised auto protection of the power input provides auto shut down of the machine when large scale fluctuations occur. Unique air channel design increases the heat dissipation of the power device, control circuits, minimises dust absorption, thereby greatly improving longevity and reliability. RAZOR200ACDC is the new standard for 240V AC/DC welders making it the ideal choice for experienced or novice welders of Aluminium, Stainless and Steel materials. Built to our specification and manufactured in compliance to AS/NZ60974.1

### MACHINE PACKAGE: KUMJRRZ200AC/DC

Standard option includes: RAZOR200AC/DC Machine, SR26 TIG Torch x 4m, Earth Lead & Arc Lead 25mm x 4m, UNI-MIG Argon Flowmeter Regulator, 2M Gas Hose with fittings



**RAZOR DIGITAL 200 AC/DC**  
**TIG/MMA - Digital Inverter Welder**








**Torch Spare Parts - Machine Options & Accessories**

**SR26 - 180A AIR COOLED TIG WELDING TORCH**

Rating:180Amp DC, 125Amp AC @35% duty cycle.

**Standard Front End Parts - Packet Qty 2**

<b>Part #</b> P18CG <b>Description</b> Cup Gasket 	<b>Part #</b> P10N30 P10N31 P10N32 P10N28 <b>Description</b> Collet Body 1.0mm Collet Body 1.6mm Collet Body 2.4mm Collet Body 3.2mm 	<b>Part #</b> P10N49L P53N48L P53N47L <b>Description</b> Long Alumina Nozzle Ø 8mm #5L Long Alumina Nozzle Ø 10mm #6L Long Alumina Nozzle Ø 11mm #7L 
<b>Part #</b> P10N22 P10N23 P10N24 P10N25 <b>Description</b> Collet 1.0mm Collet 1.6mm Collet 2.4mm Collet 3.2mm 	<b>Part #</b> P10N50 P10N49 P10N48 P10N47 P10N46 P10N45 P10N44 <b>Description</b> Alumina Nozzle Ø 6mm #4 Alumina Nozzle Ø 8mm #5 Alumina Nozzle Ø 10mm #6 Alumina Nozzle Ø 11mm #7 Alumina Nozzle Ø 13mm #8 Alumina Nozzle Ø 16mm #10 Alumina Nozzle Ø 19mm #12 	

**Compact Gas Lens Front End Parts - Packet Qty 2**

<b>Part #</b> P54N01 <b>Description</b> Gas Lens Gasket 	<b>Part #</b> P45V25 P45V26 P45V27 <b>Description</b> Gas Lens Body 1.6mm Gas Lens Body 2.4mm Gas Lens Body 3.2mm 	<b>Part #</b> P54N14 P54N15 P54N17 <b>Description</b> Gas lens ceramic 8.0mm Gas lens ceramic 7.0mm Gas lens ceramic 5.0mm 
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Torch Model		
Description	Part Number	
	4m	8m
SR26 Suregrip Tig Torch Package c/w QF Gas Connect	SR-26-4MCP50-1	SR-26-8MCP50

**Machine Options**

**TIG Kits**

RNK-26-150  
 RedNeck Flexi Neck Modular Option  
 Page reference: 217



**TIG Rod**

Page reference: 270



**Foot Control**

UTJRFC-4  
 Remote Foot Control Option  
 Page reference: 92



**TIG Welding Gloves**

UMWG3  
 Page reference: 127

