

# UNIMIG

**RAZOR TIG200 AC/DC**



# MACHINE FEATURES

## ○ HD Backlit Interface

This next generation interface panel is bright and easy to read in any environment.

## ○ Power Factor Correction (PFC)

PFC gives you maximum electrical efficiency. It automatically compensates for any voltage fluctuation, and PFC is also designed to be generator friendly.

## ○ 10A Plug

A 10 AMP power plug can be used on any domestic outlet. It's perfect for the DIY home handyman or the professional welder looking for a machine that can be used almost anywhere.

## ○ AC/DC

Weld every kind of metal. With the ability to run on an Alternating Current, you're able to weld aluminium as effortlessly as mild and stainless steels.

## ○ High Frequency TIG

Maximise your results from start to finish. A high-frequency torch can start an arc without contacting the workpiece, reducing the risk of contaminating the tungsten or the weld. It also means you get access to the entire TIG weld cycle, including pre- and post-gas and up and down slope parameters.

## ○ Multiple AC Waveforms

Completely customise your aluminium welds. Switch between Sine, Square, and Triangle waves to change the arc characteristics, bead profile, and penetration to suit your weld.

## ○ Pulse TIG

Minimise the heat input without compromising on any of the penetration. Alternating between a peak and base current reduces the amount of heat input and focuses the arc, perfect for sheet metals and out-of-position welding

## ○ Foot Control Ready

The perfect accessory, easily adjust your amperage to suit every weld as you go without disrupting your torch movement.

## ○ Smart Fan

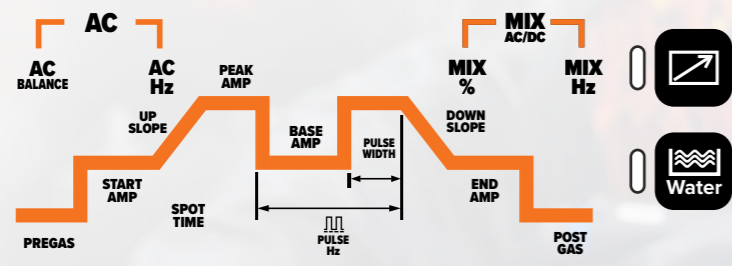
Smart Fan diminishes noise, saves power, helps reduce energy costs, and minimises the number of contaminants being pulled through the machine.

## ○ Advanced MMA Features

The RAZOR TIG 200 AC/DC features adjustable Arc Force and Hot Start functionality. These features are designed for improving weld quality and ease of use.

## ○ Optional Remote Control

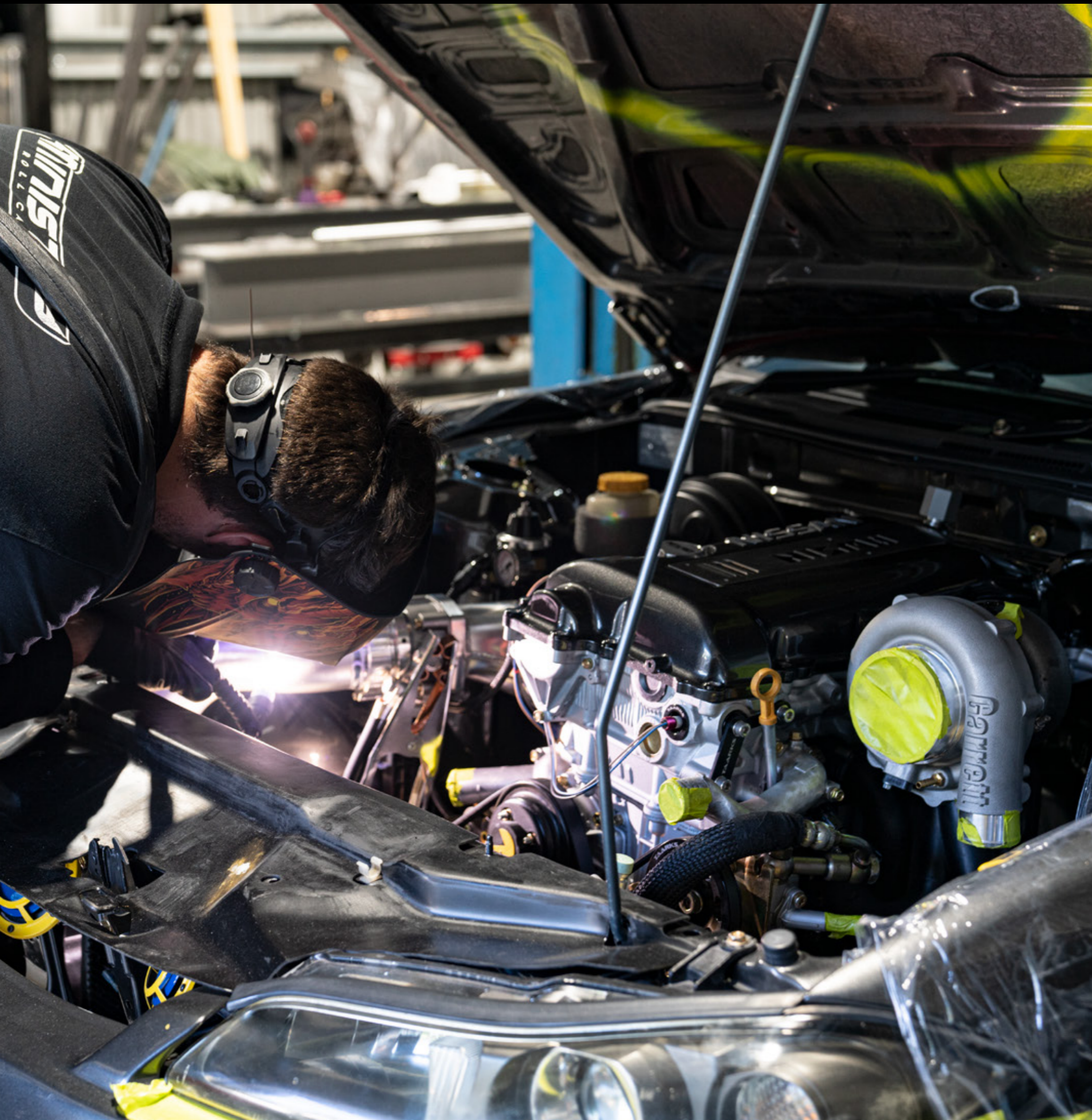
Upgrade your machine with a handy remote control. Both a wired and wireless controller are available.



|         |          |      |    |           |           |
|---------|----------|------|----|-----------|-----------|
| AC TIG  | HF TIG   | 2T   | FF | PULSE OFF | MMA AMP   |
| DC TIG  |          | 4T   | AA |           | HOT START |
| MIX TIG | LIFT TIG | S4T  | W  | PULSE ON  | ARC FORCE |
| MMA     |          | SPOT |    |           |           |

WELD MODE   
 TIG START   
 TORCH MODE   
 AC WAVE   
 PULSE   
 MMA SETTING





### Technical Data

| Parameter               | Values   |
|-------------------------|--|
| SKU                     | U12002K  |
| Primary Input Voltage   | 240V Single Phase  |
| Supply Plug             | 10 AMP   |
| Ieff (A)                | 9.5  |
| Rated Output            | 5A/20.8V - 200A/18V  |
| No Load Voltage (V)     | 65v  |
| Protection Class        | IP23S  |
| Insulation Class        | H  |
| Minimum Generator (kVA) | 9.0  |
| Dinse Connectors        | 35/50  |
| Standard                | AS/NZ60974-1   |
| TIG Weld Material type  | Aluminium, Magnesium, Zinc Alloys, Mild Steel, Stainless Steel, Copper, Silicon Bronze, Titanium |
| MMA Weld Material type  | Mild Steel, Stainless Steel, Cast Iron   |
| Warranty (Years)        | 5  |

### TIG Specifications

| Parameter                    | Values                                 |
|------------------------------|--|
| TIG Arc Ignition Type        | High Frequency, Lift Arc               |
| TIG Process Type             | Pulsed AC, Pulsed DC, Mixed AC/DC      |
| DC TIG Welding Current Range | 5-200A                                 |
| AC TIG Welding Current Range | 20-200A                                |
| TIG Duty Cycle @ 40°C        | 20% @ 200A<br>60% @ 115A<br>100% @ 90A |
| TIG Welding Thickness Range  | 1-8mm                                  |

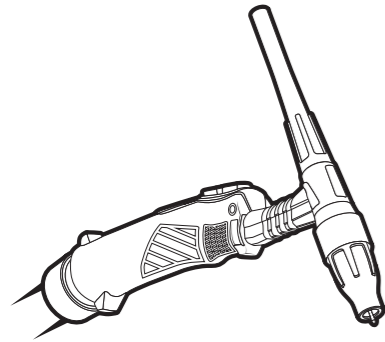
### STICK Specifications

| Parameter                     | Values                                |
|-------------------------------|---------------------------------------|
| STICK Welding Current Range   | 20-160A                               |
| STICK Duty Cycle @ 40°C       | 15% @ 160A<br>60% @ 80A<br>100% @ 62A |
| STICK Electrode Range         | 2.5-4.0mm                             |
| STICK Welding Thickness Range | 2-10mm                                |

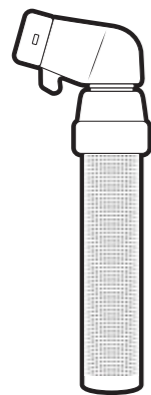
### Size & Weight

| Parameter       | Values         |
|-----------------|----------------|
| Dimensions (mm) | 500×170×340 mm |
| Weight (kg)     | 11.7kg         |

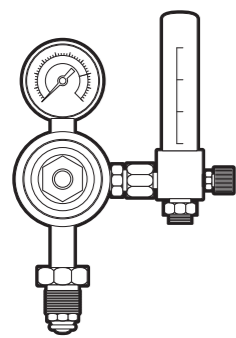
# PACKAGE CONTENTS



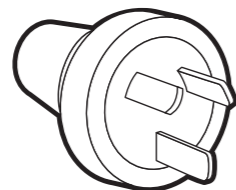
8m T2 TIG Torch



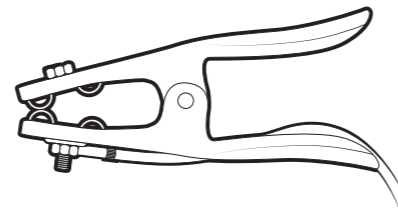
4m Electrode Holder



Argon Flowmeter



10A Plug Fitted



4m 300 AMP Earth Clamp



RAZOR TIG 200 AC/DC MACHINE

Also included: Gas Hose, Spare 9-Pin Adapter (Male), & User Manual.

# THE ALL NEW RAZOR SINGLE PHASE LINEUP

MMA



RAZOR ARC 160PFC & 200PFC  
U13002K / U13003K

TIG



RAZOR TIG 220DC  
U12003K

MULTI-PROCESS



RAZOR MULTI 175 & 220  
U11007K / U11008K



RAZOR MULTI 250  
U12003K



RAZOR COMPACT 250  
U12003K

# **UNIMIG**

B U I L T F O R W E L D E R S

[unimig.com.au](http://unimig.com.au)

   @UNIMIG

**HEAD OFFICE:**

112 Christina Rd,  
Villawood NSW 2163

PH: (02) 9780 4200  
FAX: (02) 9780 4210

EMAIL: [sales@unimig.com.au](mailto:sales@unimig.com.au)

**QLD OFFICE:**

19 Commerce Cct,  
Yatala QLD 4207

PH: (07) 3333 2855  
FAX: (07) 3274 5829

EMAIL: [qld@unimig.com.au](mailto:qld@unimig.com.au)

**VIC OFFICE:**

91 Yellowbox Drive,  
Craigieburn VIC 3064

PH: (03) 8682 9911  
FAX: (03) 9333 7867

EMAIL: [sales@unimig.com.au](mailto:sales@unimig.com.au)

**WA OFFICE:**

26 Sustainable Ave,  
Bibra Lake WA 6163

PH: (08) 6363 5111  
FAX: (08) 9417 4781

EMAIL: [wasales@unimig.com.au](mailto:wasales@unimig.com.au)