

# UNIMIG



# RAZOR

## RANGE OVERVIEW



<b>RAZOR MULTI 175</b> .....	<b>4</b>
<b>RAZOR MULTI 220</b> .....	<b>6</b>
<b>RAZOR MULTI 250</b> .....	<b>8</b>
<b>RAZOR COMPACT 250</b> .....	<b>10</b>
<b>RAZOR TIG 200 AC/DC</b> .....	<b>12</b>
<b>RAZOR TIG 220 DC</b> .....	<b>14</b>
<b>RAZOR ARC 160 PFC</b> .....	<b>16</b>
<b>RAZOR ARC 200 PFC</b> .....	<b>18</b>
<b>RAZOR CUT 45</b> .....	<b>20</b>



# RAZOR MULTI 175

## FEATURES



### HD Backlit Interface

Experience a new level of convenience with our next-generation interface panel. With its vibrant and easy-to-read display, you'll be able to effortlessly navigate and customise your welding settings in any lighting condition.

### Synergic MIG Control

Say goodbye to complicated and time-consuming setup with our innovative Synergic MIG control. This cutting-edge technology automatically adjusts your welding settings based on your wire type, gas, wire size, and material thickness, ensuring precise and efficient results every time.

### Digital Control MIG Torch

The ultimate solution for welders seeking unprecedented control and precision in their work. No more hassle of constantly adjusting your settings on a separate control panel. With our leading technology, you can easily fine-tune your amps, wire speed, and voltage right on the MIG torch itself.

### Spool Gun Ready

You have the option of attaching a Spool Gun to run softer core wires such as aluminium MIG wire. You don't even need to change the setup of your existing torch or drive roller.

### Gas & Gasless MIG

Our welding machine supports both gas-shielded and gasless MIG wire, allowing you to tackle a wide variety of welding projects with ease. Whether you're working with mild steel, stainless steel, aluminium, or flux-cored wire, our machines have got you covered.

### Geared Wire Drive

Experience smooth and consistent wire feed with our advanced geared roller drive unit. This feature ensures that your wire is fed consistently and accurately, even when using longer MIG torches.

### Multi-Process Welding

Get the job done quickly and efficiently with our versatile three-in-one welding machine. With the ability to perform MIG, TIG, and STICK welding all in one unit, you can save valuable time and effort without sacrificing quality.

### Foot Control Ready

Enjoy greater control and precision with our optional foot control accessory. This handy feature allows you to easily adjust your TIG amperage on the fly, without interrupting your torch movement.

### Trigger Controlled DC Lift Arc TIG

With Trigger Controlled DC Lift Arc ignition, starting your welding projects has never been easier. Our Lift Arc TIG technology ensures that your tungsten tip won't stick to the work piece, preventing costly tip breakages.

### Smart Fan

Our advanced Smart Fan technology reduces noise, saves power, and minimises contaminants, making it the perfect choice for any welding environment.

### Advanced MMA Features

The RAZOR MULTI 175/220 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.

### Generator Compatible

Minimum 11 kVA recommended.

## RAZOR MULTI 175

### SPECIFICATIONS

#### Technical Data

Parameter	Values
SKU	U11007K
Primary Input Voltage	240V Single Phase
Supply Plug	15 AMP
Ieff (A)	15
Rated Output	30A/15.5V - 175A/22.8V
No Load Voltage (V)	60
Protection Class	IP23S
Insulation Class	H
Minimum Generator (kVA)	11.0
Dinse Connector	35/50
Standard	AS/NZ60974-1
Warranty (Years)	5

#### MIG Specifications

MIG Welding Current Range	30-175A
MIG Duty Cycle @ 40°C	25% @ 175A 60% @ 101A 100% @ 78A
MIG Welding Thickness Range	1-8mm

#### TIG Specifications

TIG Function Type	DC Lift Arc
TIG Welding Current Range	5-175A
TIG Duty Cycle @ 40°C	25% @ 175A 60% @ 113A 100% @ 88A
TIG Welding Thickness Range	1-6mm

#### STICK Specifications

STICK Welding Current Range	20-160A
STICK Duty Cycle @ 40°C	20% @ 160A 60% @ 93A 100% @ 72A
STICK Welding Thickness Range	2-10mm

#### Size & Weight

Dimensions (mm)	560×220×40
Weight (kg)	15.0

### Capable Welding Material Types By Welding Process

Mild Steel, Stainless Steel, Aluminium,  
Silicon Bronze

TIG: Mild Steel, Stainless Steel, Copper,  
Silicon Bronze

MMA: Mild Steel, Stainless Steel, Cast Iron

# RAZOR MULTI 220

## FEATURES



### HD Backlit Interface

Experience a new level of convenience with our next-generation interface panel. With its vibrant and easy-to-read display, you'll be able to effortlessly navigate and customise your welding settings in any lighting condition.

### Synergic MIG Control

Say goodbye to complicated and time-consuming setup with our innovative Synergic MIG control. This cutting-edge technology automatically adjusts your welding settings based on your wire type, gas, wire size, and material thickness, ensuring precise and efficient results every time.

### Digital Control MIG Torch

The ultimate solution for welders seeking unprecedented control and precision in their work. No more hassle of constantly adjusting your settings on a separate control panel. With our leading technology, you can easily fine-tune your amps, wire speed, and voltage right on the MIG torch itself.

### Spool Gun Ready

You have the option of attaching a Spool Gun to run softer core wires such as aluminium MIG wire. You don't even need to change the setup of your existing torch or drive roller.

### Gas & Gasless MIG

Our welding machine supports both gas-shielded and gasless MIG wire, allowing you to tackle a wide variety of welding projects with ease. Whether you're working with mild steel, stainless steel, aluminium, or flux-cored wire, our machines have got you covered.

### Geared Wire Drive

Experience smooth and consistent wire feed with our advanced geared roller drive unit. This feature ensures that your wire is fed consistently and accurately, even when using longer MIG torches.

### Multi-Process Welding

Get the job done quickly and efficiently with our versatile three-in-one welding machine. With the ability to perform MIG, TIG, and STICK welding all in one unit, you can save valuable time and effort without sacrificing quality.

### Foot Control Ready

Enjoy greater control and precision with our optional foot control accessory. This handy feature allows you to easily adjust your TIG amperage on the fly, without interrupting your torch movement.

### Trigger Controlled DC Lift Arc TIG

With Trigger Controlled DC Lift Arc ignition, starting your welding projects has never been easier. Our Lift Arc TIG technology ensures that your tungsten tip won't stick to the work piece, preventing costly tip breakages.

### Smart Fan

Our advanced Smart Fan technology reduces noise, saves power, and minimises contaminants, making it the perfect choice for any welding environment.

### Advanced MMA Features

The RAZOR MULTI 175/220 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.

### Generator Compatible

Minimum 12 kVA recommended.

## RAZOR MULTI 220

### SPECIFICATIONS

#### Technical Data

Parameter	Values
SKU	U11008K
Primary Input Voltage	240V Single Phase
Supply Plug	15 AMP
I <sub>eff</sub> (A)	14.7
Rated Output	30A/15.5V - 220A/25V
No Load Voltage (V)	60
Protection Class	IP23S
Insulation Class	H
Minimum Generator (kVA)	12.0
Dinse Connector	35/50
Standard	AS/NZ60974-1
Warranty (Years)	5

#### MIG Specifications

MIG Welding Current Range	30-220A
MIG Duty Cycle @ 40°C	15% @ 220A 60% @ 110A 100% @ 85A
MIG Welding Thickness Range	1-10mm

#### TIG Specifications

TIG Function Type	DC Lift Arc
TIG Welding Current Range	5-220A
TIG Duty Cycle @ 40°C	15% @ 220A 60% @ 110A 100% @ 85A
TIG Welding Thickness Range	1-8mm

#### STICK Specifications

STICK Welding Current Range	20-180A
STICK Duty Cycle @ 40°C	15% @ 180A 60% @ 90A 100% @ 70A
STICK Welding Thickness Range	2-12mm

#### Size & Weight

Dimensions (mm)	560×220×400
Weight (kg)	15.1

### Capable Welding Material Types By Welding Process

Mild Steel, Stainless Steel, Aluminium,  
Silicon Bronze

TIG: Mild Steel, Stainless Steel, Copper,  
Silicon Bronze

MMA: Mild Steel, Stainless Steel, Cast Iron

## RAZOR MULTI 250

### FEATURES



#### HD Backlit Interface

Experience a new level of convenience with our next-generation interface panel. With its vibrant and easy-to-read display, you'll be able to effortlessly navigate and customise your welding settings in any lighting condition.

#### Synergic MIG Control

Say goodbye to complicated and time-consuming setup with our innovative Synergic MIG control. This cutting-edge technology automatically adjusts your welding settings based on your wire type, gas, wire size, and material thickness, ensuring precise and efficient results every time.

#### Digital Control MIG Torch

The ultimate solution for welders seeking unprecedented control and precision in their work. No more hassle of constantly adjusting your settings on a separate control panel. With our leading technology, you can easily fine-tune your amps, wire speed, and voltage right on the MIG torch itself.

#### Spool Gun Ready

Attach a Spool Gun to run softer core wires such as aluminium MIG wire. You don't even need to change the setup of your existing torch or drive rollers.

#### Gas & Gasless MIG

Our welding machine supports both gas-shielded and gasless MIG wire, allowing you to tackle a wide variety of welding projects with ease. Whether you're working with mild steel, stainless steel, aluminium, or flux-cored wire, our machine has got you covered.

#### 4 Geared Wire Drive

Experience smooth and consistent wire feeding with our advanced 4 geared roller drive unit. This feature ensures that your wire is fed consistently and accurately, even when using longer MIG torches.

#### Multi-Process Welding

Get the job done quickly and efficiently with our versatile three-in-one welding machine. With the ability to perform MIG, TIG, and STICK welding all in one unit, you can save valuable time and effort without sacrificing quality.

#### Foot Control Ready

Enjoy greater control and precision with our optional foot control accessory. This handy feature allows you to easily adjust your TIG amperage on the fly, without interrupting your torch movement.

#### Trigger Controlled DC Lift Arc TIG

With Trigger Controlled DC Lift Arc ignition, starting your welding projects has never been easier. Our Lift Arc TIG technology ensures that your tungsten tip won't stick to the workpiece, preventing costly tip breakages.

#### Smart Fan

Our advanced Smart Fan technology reduces noise, saves power, and minimises contaminants, making it the perfect choice for any welding environment.

#### Advanced MMA Features

The RAZOR MULTI 250 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.



## RAZOR MULTI 250

### SPECIFICATIONS

#### Technical Data

Parameter	Values
SKU	U11009K
Primary Input Voltage	240V Single Phase
Supply Plug	15 AMP
Ieff (A)	15
Rated Output	30A/15.5V - 250A/26.5V
No Load Voltage (V)	65
Protection Class	IP23S
Insulation Class	H
Minimum Generator (kVA)	11.0
Dinse Connector	35/50
Standard	AS/NZ60974-1
Warranty (Years)	5

#### MIG Specifications

MIG Welding Current Range	30-250A
MIG Duty Cycle @ 40°C	20% @ 250A 60% @ 144A 100% @ 112A
MIG Welding Thickness Range	1-12mm

#### TIG Specifications

TIG Function Type	DC Lift Arc
TIG Welding Current Range	5-250A
TIG Duty Cycle @ 40°C	20% @ 250A 60% @ 144A 100% @ 112A
TIG Welding Thickness Range	1-10mm

#### STICK Specifications

STICK Welding Current Range	20-220A
STICK Duty Cycle @ 40°C	20% @ 220A 60% @ 127A 100% @ 98A
STICK Welding Thickness Range	2-12mm

#### Size & Weight

Dimensions (mm)	700x280x511
Weight (kg)	25.5

### Capable Welding Material Types By Welding Process

Mild Steel, Stainless Steel, Aluminium,  
Silicon Bronze

TIG: Mild Steel, Stainless Steel, Copper,  
Silicon Bronze

MMA: Mild Steel, Stainless Steel, Cast Iron

# RAZOR COMPACT 250

## FEATURES



### HD Backlit Interface

Experience a new level of convenience with our next-generation interface panel. With its vibrant and easy-to-read display, you'll be able to effortlessly navigate and customise your welding settings in any lighting condition.

### Synergic MIG Control

Say goodbye to complicated and time-consuming setup with our innovative Synergic MIG control. This cutting-edge technology automatically adjusts your welding settings based on your wire type, gas, wire size, and material thickness, ensuring precise and efficient results every time.

### Digital Control MIG Torch

The ultimate solution for welders seeking unprecedented control and precision in their work. No more hassle of constantly adjusting your settings on a separate control panel. With our leading technology, you can easily fine-tune your amps, wire speed, and voltage right on the MIG torch itself.

### Push-Pull Gun Ready

Achieve smooth and steady wire feeding, especially when using softer wires such as aluminium. With a 'Pull' motor built into the torch, the wire can be fed over a greater distance, granting you the freedom to move and manoeuvre with ease while MIG welding.

### Spool Gun Ready

Attach a Spool Gun to run softer core wires such as aluminium MIG wire. You don't even need to change the setup of your existing torch or drive rollers.

### Gas & Gasless MIG

Our welding machine supports both gas-shielded and gasless MIG wire, allowing you to tackle a wide variety of welding projects with ease. Whether you're working with mild steel, stainless steel, aluminium, or flux-cored wire, our machine has got you covered.

### 4 Geared Wire Drive

Experience smooth and consistent wire feeding with our advanced 4 geared roller drive unit. This feature ensures that your wire is fed consistently and accurately, even when using longer MIG torches.

### Multi-Process Welding

Get the job done quickly and efficiently with our versatile three-in-one welding machine. With the ability to perform MIG, TIG, and STICK welding all in one unit, you can save valuable time and effort without sacrificing quality.

### Foot Control Ready

Enjoy greater control and precision with our optional foot control accessory. This handy feature allows you to easily adjust your TIG amperage on the fly, without interrupting your torch movement.

### Trigger Controlled DC Lift Arc TIG

With Trigger Controlled DC Lift Arc ignition, starting your welding projects has never been easier. Our Lift Arc TIG technology ensures that your tungsten tip won't stick to the workpiece, preventing costly tip breakages.

### Smart Fan

Our advanced Smart Fan technology reduces noise, saves power, and minimises contaminants, making it the perfect choice for any welding environment.

### Advanced MMA Features

The RAZOR COMPACT 250 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.

## RAZOR COMPACT 250

### SPECIFICATIONS

#### Technical Data

Parameter	Values
SKU	U11010K
Primary Input Voltage	240V Single Phase
Supply Plug	15 AMP
I <sub>eff</sub> (A)	15
Rated Output	30A/15.5V - 250A/26.5V
No Load Voltage (V)	65
Protection Class	IP23S
Insulation Class	H
Minimum Generator (kVA)	11.0
Dinse Connector	35/50
Standard	AS/NZ60974-1
Warranty (Years)	5

#### MIG Specifications

MIG Welding Current Range	30-250A
MIG Duty Cycle @ 40°C	20% @ 250A 60% @ 144A 100% @ 112A
MIG Welding Thickness Range	1-12mm

#### TIG Specifications

TIG Function Type	DC Lift Arc
TIG Welding Current Range	5-250A
TIG Duty Cycle @ 40°C	20% @ 250A 60% @ 144A 100% @ 112A
TIG Welding Thickness Range	1-10mm

#### STICK Specifications

STICK Welding Current Range	20-220A
STICK Duty Cycle @ 40°C	20% @ 220A 60% @ 127A 100% @ 98A
STICK Welding Thickness Range	2-12mm

#### Size & Weight

Dimensions (mm)	900×480×760
Weight (kg)	41.3

### Capable Welding Material Types By Welding Process

Mild Steel, Stainless Steel, Aluminium,  
Silicon Bronze

TIG: Mild Steel, Stainless Steel, Copper,  
Silicon Bronze

MMA: Mild Steel, Stainless Steel, Cast Iron

## RAZOR TIG 200 AC/DC

### 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.

#### Mixed AC/DC

Experience the best of both worlds. Mixed AC/DC combines the efficiency of AC and the penetration of DC- TIG in one weld. With it, you get faster welding speeds, better penetration, a faster weld puddle on cold workpieces, and you can weld thicker materials.

#### 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.



## RAZOR TIG 200 AC/DC

### SPECIFICATIONS

#### Technical Data

Parameter	Values
SKU	U12002K
Primary Input Voltage	240V Single Phase
Supply Plug	10 AMP
I <sub>eff</sub> (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 60% @ 115A 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 60% @ 80A 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

# RAZOR TIG 220 DC

## 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.

### 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.

### Foot Control Ready

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

### 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.

### 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 220 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.

## RAZOR TIG 220 DC

### SPECIFICATIONS

#### Technical Data

Parameter	Values
SKU	U12003K
Primary Input Voltage	240V Single Phase
Supply Plug	10 AMP
I <sub>eff</sub> (A)	9.8
Rated Output	5A/10.2V - 220A/18.8V
No Load Voltage (V)	68v
Protection Class	IP23S
Insulation Class	H
Minimum Generator (kVA)	9.0
Dinse Connectors	35/50
Standard	AS/NZ60974-1
TIG Weld Material type	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	Standard DC, and Pulsed DC
DC TIG Welding Current Range	5-220A
TIG Duty Cycle @ 40°C	20% @ 220A 60% @ 127A 100% @ 98A
TIG Welding Thickness Range	1-8mm

#### STICK Specifications

Parameter	Values
STICK Welding Current Range	20-160A
STICK Duty Cycle @ 40°C	20% @ 160A 60% @ 92A 100% @ 72A
STICK Electrode Range	2.5-4.0mm
STICK Welding Thickness Range	2-10mm

#### Size & Weight

Parameter	Values
Dimensions (mm)	310×150×460 mm
Weight (kg)	8.9kg

## RAZOR ARC 160 PFC

### 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.

#### Advanced MMA Features

The RAZOR ARC 160 PFC features Anti-Stick technology, as well as adjustable Arc Force and Hot Start functionality. These features are designed for improving weld quality and ease of use.

#### 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.

#### DC Lift Arc TIG

Lift Arc ignition allows the arc to be started easily in DC TIG by simply touching the tungsten to the workpiece and lifting it up to start the arc. This stops the tungsten tip sticking to the workpiece and breaking the tip from the tungsten electrode.

#### Optional Remote Control

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

#### Smart Fan

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

#### Lightweight & Portable

Weighing just 7.2kg, the RAZOR ARC 160 PFC is ready to go anywhere you need it.



## RAZOR ARC 160 PFC

### SPECIFICATIONS

#### Technical Data

Parameter	Values
SKU	U13002K
Primary Input Voltage	240V Single Phase
Supply Plug	10 AMP
I <sub>eff</sub> (A)	10
Rated Output	20A/20.8V - 160A/26.4V
No Load Voltage (V)	78
Protection Class	IP23S
Insulation Class	H
Minimum Generator (kVA)	8.0
Dinse Connector	35/50
Standard	AS/NZ60974-1
MMA Weld Material type	Mild Steel, Stainless Steel, Cast Iron
TIG Weld Material type	Mild Steel, Stainless Steel, Copper, Silicon Bronze
Warranty (Years)	5

#### STICK Specifications

Parameter	Values
STICK Welding Current Range	20-160A
STICK Duty Cycle @ 40°C	20% @ 160A 60% @ 93A 100% @ 72A
STICK Electrode Range	2.5-4.0mm
STICK Welding Thickness Range	2-10mm

#### TIG Specifications

Parameter	Values
TIG Function Type	DC Lift Arc
TIG Welding Current Range	10-160A
TIG Duty Cycle @ 40°C	35% @ 160A 60% @ 123A 100% @ 95A
TIG Welding Thickness Range	1-6mm

#### Size & Weight

Parameter	Values
Dimensions (mm)	413×150×311 mm
Weight (kg)	7.2kg

## RAZOR ARC 200 PFC

### 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.

#### Advanced MMA Features

The RAZOR ARC 200 PFC features Anti-Stick technology, as well as 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.

#### DC Lift Arc TIG

Lift Arc ignition allows the arc to be started easily in DC TIG by simply touching the tungsten to the workpiece and lifting it up to start the arc. This stops the tungsten tip sticking to the workpiece and breaking the tip from the tungsten electrode.

#### Smart Fan

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

#### Lightweight & Portable

Weighing just 7.6kg, the RAZOR ARC 200 PFC is ready to go anywhere you need it.

## RAZOR ARC 200 PFC

### SPECIFICATIONS

#### Technical Data

Parameter	Values
SKU	U13003K
Primary Input Voltage	240V Single Phase
Supply Plug	15 AMP
I <sub>eff</sub> (A)	14.9
Rated Output	20A/20.8V - 200A/28V
No Load Voltage (V)	78
Protection Class	IP23S
Insulation Class	H
Minimum Generator (kVA)	10.0
Dinse Connector	35/50
Standard	AS/NZ60974-1
MMA Weld Material type	Mild Steel, Stainless Steel, Cast Iron
TIG Weld Material type	Mild Steel, Stainless Steel, Copper, Silicon Bronze
Warranty (Years)	5

#### STICK Specifications

Parameter	Values
STICK Welding Current Range	20-200A
STICK Duty Cycle @ 40°C	25% @ 200A 60% @ 129A 100% @ 100A
STICK Electrode Range	2.5-4.0mm
STICK Welding Thickness Range	2-12mm

#### TIG Specifications

Parameter	Values
TIG Function Type	DC Lift Arc
TIG Welding Current Range	10-200A
TIG Duty Cycle @ 40°C	25% @ 200A 60% @ 129A 100% @ 100A
TIG Welding Thickness Range	1-8mm

#### Size & Weight

Parameter	Values
Dimensions (mm)	413×150×311 mm
Weight (kg)	7.6kg

## RAZOR CUT 45

### FEATURES



#### HD Backlit Interface

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

#### Power Factor Correction

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

#### CNC Connectivity

Easy access front panel port for and adjustable feedback ratio for CNC connectivity.

#### Perforated Cut Mode

Now you can cut perforated metal without having to restart the arc between gaps. Simply shift into perforated cutting mode and slice through perforated metal with ease.

#### Pilot Arc Start

Pilot Arc Start lets you start the arc before contacting the work piece. This gives you better control of the torch, especially on materials with uneven or curved surfaces.

#### 2T/4T Trigger Modes

Designed for user preference and comfort, adjustable trigger modes allow you to either hold the trigger down throughout the cut, or use the trigger as a on/off switch by pulling to start and pulling to stop.

#### Smart Fan

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

#### Lightweight & Portable

Weighing just 10kg, the RAZOR CUT 45 is ready to go anywhere you need it.



## RAZOR CUT 45

### SPECIFICATIONS

#### Technical Data

Parameter	Values
SKU	U14006K
Primary Input Voltage	240V Single Phase
Supply Plug	15A
Rated Input Current (A)	23
No Load Voltage (V)	300
I <sub>eff</sub> (A)	15.0
Air Flow Draw Off (L/min)	189
Air Flow Pressure (Bar)	5.17 (75 psi) (0.5 MPa)
Current Range (A)	20-45
Machine Duty Cycle	25% @ 45A 60% @ 30A 100% @ 20A
Protection Class	IP23S
Insulation Class	H
Dinse Connector	10/25
Standard	AS/NZ60974-1
Warranty (Years)	3

#### Plasma Cut Thickness Rating

Parameter	Values
Mild Steel Clean Cut	16mm
Mild Steel Severance Cut	20mm
Aluminium Clean Cut	8mm
Aluminium Severance Cut	10mm
Stainless Clean Cut	8mm
Stainless Severance Cut	10mm

#### Size & Weight

Parameter	Values
Dimensions	546×169×341mm
Weight	10kg

#### Machine Features

Parameter	Values
Plasma Arc Start	Pilot Arc
CNC Connection	Yes
Thermal Overload Protection	Over Temperature Warning



SKU	NAME	SUPPLY PLUG	OUTPUT	GENERATOR
U11007K	RAZOR MULTI 175	15A	30-175A	11.0 kVA
U11008K	RAZOR MULTI 220	15A	30-220A	12.0 kVA
U11009K	RAZOR MULTI 250	15A	30-250A	11.0 kVA
U11010K	RAZOR COMPACT 250	15A	30-250A	11.0 kVA
U12002K	RAZOR TIG 200 AC/DC	10A	5-200A	9.0 kVA
U12003K	RAZOR TIG 220 DC	10A	5-220A	9.0 kVA
U13002K	RAZOR ARC 160 PFC	10A	10-160A	8.0 kVA
U13003K	RAZOR ARC 200 PFC	15A	10-200A	10.0 kVA
U14006K	RAZOR CUT 45	15A	20-45A	10.0 kVA



MIG	TIG	STICK	MILD STEEL	ALUMINIUM	STAINLESS STEEL
25% @ 175A	25% @ 175A	20% @ 160A	8mm	8mm (MIG)	8mm
15% @ 220A	15% @ 220A	15% @ 180A	10mm	10mm (MIG)	10mm
20% @ 250A	20% @ 250A	20% @ 220A	16mm	12mm (MIG)	16mm
20% @ 250A	20% @ 250A	20% @ 220A	16mm	12mm (MIG)	16mm
-	20% @ 200A	15% @ 160A	8mm	8mm (TIG)	8mm
-	20% @ 220A	20% @ 160A	8mm	8mm (TIG)	8mm
-	35% @ 160A	20% @ 160A	10mm	-	10mm
-	25% @ 200A	25% @ 200A	12mm	-	12mm
-	-	-	16mm	8mm	8mm

# **UNIMIG**

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

**unimig.com.au**

**f@v @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)