

RAZOR MULTI 230 AC/DC MIG/TIG/STICK Welder

MACHINE FEATURES

Dual Plug Compatibility (10A & 15A)

Connect to any 10A or 15A outlet for even greater versatility. 10A mode limits the output of the machine to 200A, whereas 15A mode allows use of the full 230A in MIG.

Smart Fan

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

Power Factor Correction (PFC)

PFC gives you maximum electrical efficiency and automatically compensates for any voltage fluctuation.

Job Memory

The job memory function allows you to enter and store weld parameter settings under job numbers. Weld parameters can be further adjusted and stored as required. A total of 20 Jobs can be memorised and stored for recall.

5” Colour LCD Screen

Change settings with ease with the intuitive screen controls and next-generation user interface.

Generator Compatible

Going off the grid? The RAZOR MULTI 230 AC/DC can be connected to a generator, we recommend one with at least an 8.5kVA rating for 10A mode, 10kVA for 15A mode.

IP21 Rating

Rated IP21, so it’s protected from touch by fingers and objects greater than 12mm, and water spray from a vertical direction.

Wireless Foot Control Ready

This machine supports the connection of both a wired or wireless foot control for extra versatility and convenience while welding. You can adjust your amperage hands-free to avoid disrupting your torch movement, and the wireless option reduces cables and adds greater manoeuvrability as well.

Dual Gas Input

With dual gas inputs for MIG and TIG gases, you can keep the machine setup for both processes, saving you time during setup when swapping between processes.

MIG FEATURES

MIG Smart-Set™

Setting up for a weld has never been easier, just set your wire, gas, joint type and material thickness and you're ready to weld!

Complete MIG Weld Cycle Control

Get complete control over your MIG welds with a full set of adjustable parameters, such as pre- and post-gas flow, arc ignition speed, and burnback.

Spool Gun Ready

This machine is Spool Gun ready, so 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. The Spool Gun lets you quickly switch over to get the job done with no downtime.

Crater Fill

Finishing a weld has never been so easy with Crater Fill. It'll ramp your welding current and voltage down at the end of a MIG weld so you can fill it in at a lower power, eliminating craters and pinholes. End your welds as strong as they started.

Gas-shielded & Gasless Wires

This machine supports both gas-shielded MIG and gasless MIG, meaning you can run mild steel, stainless steel, aluminium as well as flux-cored MIG wires.

Inductance Control

Change the frequency of your short circuit MIG welds with the Inductance settings, so you can choose your preferred arc characteristics.

Arc Start

Starting a MIG weld has never been so smooth with the Arc Start dual function. Set above 100% and the Hot Start gives you a boost in current at the start of your weld, eliminating issues with starting on cold metal, and makes welding on thicker materials easier. Set below 100% and Soft Start helps with edge arc ignition by starting at a lower current and ramping up when welding away from the edge.

Geared Wire Drive

This machine features a geared roller drive unit, providing consistent and smooth wire feed, and it helps when using longer MIG torches.

TIG FEATURES

SpotPlus™

SpotPlus improves the spot welding mode by applying an adjustable synergic pulsed program. The program speeds up the spot tacking process and is perfect for sheet metal fitups with gaps.

ArcPlus™

ArcPlus keeps the volt amps constant by adjusting the welding current proportionally as the arc voltage increases or decreases during a weld. It helps give better puddle control when weaving, reduced heat input and increased side wall fusion.

TackPlus™

TackPlus allows you to preset a tacking procedure to reduce the time required for tack welding, and also reduces the heat input in the joint between tacks, improving the quality.

FusionPlus™

FusionPlus is an advanced AC TIG feature that provides greater arc focus at high welding speeds, and provides deep penetration even at low AC frequencies.

AC/DC High Frequency TIG

TIG weld aluminium without issues with AC.

High Frequency TIG (H/F TIG) gives you more control when starting or stopping the arc and reduces the risk of contaminating the tungsten or the weld.

Full TIG Weld Cycle Control

Maintain complete control over your TIG welds with the RAZOR MULTI 230 AC/DC. The high frequency AC & DC TIG welding modes come with a full set of adjustable parameters, including pre- and post-flow, up and down slopes, as well as pulse. Everything you need, right at your fingertips.

TIG Smart-Set™

The easiest way to set up for a TIG weld, simply set your filler material, joint type and material thickness and you're good to go!

Mix AC/DC

Mixed AC/DC welding is the combination of TIG AC and TIG DC- in one weld. Mixed AC/DC gives you faster welding speeds, better penetration, a faster weld puddle on cold workpieces, and allows you to weld on thicker materials.

Tungsten Optmiser

Optimises the welding arc ignition in AC TIG based on the chosen tungsten diameter.

Heat Control Trigger (HCT) Mode

Heat Control Trigger Mode lets you set a base current, which you can switch to at any time during a weld by pressing the trigger button. Heat Control Trigger Mode is great for manual heat input control as you go.

MMA (STICK) FEATURES

MMA (STICK)

You'll be able to weld anything, including cellulosic electrodes.

Pulse MMA (STICK)

Pulse MMA (STICK) welding helps reduce spatter, improves heat control and allows for an easier removal of slag. It also improves the speed and efficiency of vertical up welds by eliminating the use of the "Christmas Tree" technique, while still maintaining root fusion.

Hot Start

Hot Start increases the stability of your arc ignition, and prevents a lack of fusion at the start of the weld.

Arc Force

Arc Force helps to keep the arc stabilised throughout the weld, by detecting any short circuits and increasing the peak current to prevent the arc cutting out or electrode sticking.

Anti Stick

Anti-stick prevents your electrode from sticking to your workpiece. When the machine detects sticking, the current will shut off and unstick the electrode.

TECHNICAL DATA



SKU: U11004K

- RAZOR MULTI 230 AC/DC MIG/TIG/STICK Welder
- 4m SB24 MIG Torch
- 4m ARC TORCHOLOGY T2 TIG Torch
- 3m Twist Lock Electrode Holder
- 3m 300 Amp Earth Clamp & Lead
- Twin Gauge Argon Regulator
- 2m Quick-connect Gas Hose
- 15A to 10A Conversion Lead
- Operating Manual

TECHNICAL DATA	
SKU	U11004K
PRIMARY INPUT VOLTAGE	240V Single Phase
SUPPLY PLUG	15 AMP
Ieff (A)	9.4 / 15
RATED OUTPUT	25A/15.3V-200A/24V (10A) 25A/15.3V-230A/25.5V (15A)
PROTECTION CLASS	IP21
INSULATION CLASS	H
MINIMUM GENERATOR (kVA)	8.5 (10A) / 10 (15A)
DINSE CONNECTOR	35/50
STANDARD	AS/NZ60974-1
WELDS	Mild Steel, Stainless Steel, Cast Iron, Silicon Bronze, Aluminium, Copper
WARRANTY (Years)	3

MIG SPECIFICATIONS	
MIG WELDING CURRENT RANGE	25-200A (10A) / 25-230A (15A)
MIG DUTY CYCLE @ 40°C	10% @ 200A, 60% @ 81A, 100% @ 63A (10A) 25% @ 230A, 60% @ 187A, 100% @ 145A (15A)
MIG WIRE SIZE RANGE	0.6-1.0mm
MIG WIRE SPOOL SIZE	1kg / 5kg
MIG WELDING THICKNESS RANGE	1-10mm
DRIVE ROLLER SIZE	30/22

TIG SPECIFICATIONS	
TIG FUNCTION TYPE	AC/DC High-Frequency
TIG WELDING CURRENT RANGE	10-200A
TIG DUTY CYCLE @ 40°C	25% @ 200A, 60% @ 130A, 100% @ 100A (10/15A)
TIG WELDING THICKNESS RANGE	1-8mm

STICK SPECIFICATIONS	
STICK WELDING CURRENT RANGE	10-200A
STICK DUTY CYCLE @ 40°C	10% @ 200A, 60% @ 81A, 100% @ 63A (10A) 25% @ 200A, 60% @ 130A, 100% @ 100A (15A)
STICK ELECTRODE RANGE	2.5-4.0mm
STICK WELDING THICKNESS RANGE	2-12mm

SIZE & WEIGHT	
DIMENSIONS (mm)	660x210x330mm
WEIGHT (kg)	20kg

MACHINE FEATURES	
WIRE DRIVE	Geared
VRD	Yes
SYNERGIC PROGRAMS	Yes
BURNBACK ADJUSTMENT	Yes
THERMAL OVERLOAD PROTECTION	Yes
POWER FACTOR CORRECTION (PFC)	Yes