

Product Brochure For K8779

MIG/TIG/STICK - ENVY MULTI 230 AC/DC WELDER

U11203

Please Call



ORDER CODE:	K8779
NSW DOE Item No.:	
QLD DOE Item No.:	
MODEL:	ENVY MULTI 230 &
Voltage (V):	240
Welding Current (amp):	25 - 230
Recommended Plug Amperage (amp):	15
MIG Duty Cycle @ 40°C ((% @ amp)):	
TIG Duty Cycle @ 40°C ((% @ amp)):	
MMA Duty Cycle @ 40°C ((% @ amp)):	
Mig Wire Size Range (mm):	
Wire Spool Size (kg):	1 / 5
Dimensions (mm):	660 x 210 x 395
Nett Weight (kg):	24



Description

Not All Pulse Machines Are Equal

Less spatter. Lower heat. Smoother results. Streamline your welds with the single and double pulse functions.

Double Pulse

A double pulse weld alternates between a peak current and two base currents, reducing the heat input of the weld even further than single pulse, while still maintaining all of the benefits. Because of the faster freezing puddle, your double pulse welds come out looking just like a stack of dimes. You get the aesthetics of a TIG weld with all the speed of spray MIG.

Single Pulse

A single pulse weld alternates between a peak and base current, which works to minimise the amount of heat input without compromising on any of the penetration. The addition of a base current and reduction in heat means it's perfect for softer materials like aluminium. Pulse welding is also done by spray transfer, eliminating spatter and cutting your post-weld clean-up time.

MIG Smart-Set

Ready to weld with the press of a few buttons. Simply select your joint type, filler wire, gas mixture, and wire diameter, and the machine will choose the ideal settings. If it's a little off, you can make manual adjustments to finetune every weld.

Ultimate TIG Welding

Weld every kind of metal. With the ability to run on an Alternating Current (AC) you're able to weld aluminium as effortlessly as mild and stainless steels on a Direct Current (DC).

TIG Smart-Set

Starting a weld has never been faster with the class-leading synergic TIG. Choose your material, joint type, tungsten diameter, plate thickness, and gas mixture, and you're off and running. If it's not quite right, you can tweak the parameters to perfection.

Independent Amplitude Control

The independent amplitude lets you adjust the amperage in both the EP and EN parts of the AC cycle, letting you completely customise the amount of heat directed to the workpiece and the tungsten.

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.

Higher Pulse Frequency in AC & DC

With a pulse frequency as high as 999 pulses per second in both AC and DC TIG, you can get as many pulses as you need for any scenario.

Product Brochure For K8779

Cap Shaping

Get the perfect tungsten shape for your aluminium welds every time with just the click of the trigger. Turn the cap shaping feature on, press the torch trigger, and the machine will prep the optimal tungsten shape for your aluminium welds.

Digital 4 Geared Wire Drive

Experience unparalleled accuracy with our Digital 4 Geared Wire Drive system. Designed to sustain a consistent arc in varying conditions and with different wire types, it ensures an accurate wire feed speed. With this system, achieving precision in every welding task is effortless.

Hot Start

Get the smoothest arc starts possible. The Arc Start function gives you the option of either a boost of current or a reduction in current at the beginning of your weld. The arc start eliminates any issues with starting on cold metal, lets you weld on thicker materials, stops burn through on thinner materials, and makes welding aluminium even easier.

Crater Fill

End your welds as strong as they started. The Arc End feature ramps your welding current and voltage down at the end of a weld, filling it in at a lower amperage, eliminating craters and pinholes.

Accessories

Ready for any kind of welding you've got planned, connect a complete range of MIG, TIG or MMA accessories to your welder.

Foot Pedal

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. Wireless and wired options available.

Push-Pull Gun

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

Make welding aluminium even easier. No need to change your existing setup. The spool gun lets you quickly switch over and get any job done with no downtime.

Power Factor Correction (PFC)

Get the most out of your machine. The PFC maximises the electrical efficiency of the machine and automatically compensates for any voltage fluctuations, so you get more output power and the internal components last longer.

Inverter Technology

Not every inverter is made equal. With UNIMIG's ever-evolving, state-of-the-art IGBT Inverter technology, you get better performance, better efficiency, and better reliability.

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

Advanced MMA features are designed for improving weld quality and ease of use.

Pulse MMA

Revolutionary pulse stick reduces spatter, improves heat control and makes for easier slag removal, as well as improves the speed and efficiency of vertical up welds without sacrificing any root fusion.

Arc Force

The Arc Force feature helps to keep the arc stabilised throughout the weld, by increasing or decreasing the peak current to compensate for your arc length, preventing the arc from cutting out or the electrode from sticking.

Hot Start

The adjustable hot start is designed to help with striking an arc. The hot start temporarily boosts the output current at the start, making striking an arc, even with difficult electrodes, much easier. You get smoother arc starts, improving the quality of your weld.

Anti-Stick

The Anti Stick feature, which is always on, prevents your electrode from sticking to your workpiece. When the machine detects sticking, the current will drop significantly, so the electrode can be removed.

Job Memory

The job memory function allows you to enter and store weld parameter settings. Weld parameters can be further adjusted and stored as required. A total of 100 jobs can be memorised and stored for recall.

Inductance Control

Take complete control of your arc with the inductance settings. By changing the frequency of your short circuit MIG welds with the Inductance controls, you can choose your preferred arc characteristics on every weld.

Dual Gas Inputs

Set up for MIG and TIG at the same time. With dual gas inputs for both weld types, you won't need to swap your gas when you swap torches. The quick connect inputs also make replacing your gas bottle as simple as unplugging and plugging in.

AC Waveforms

Customise your AC waveforms. Choose from your preferred welding waveform or use a combination of two to adjust the arc characteristics to suit your welding needs.

Burnback Adjustment

Stop your wire from ever fusing with your weld or your contact tips again. Tune your burnback control to suit how much wire you want to remain sticking out from your torch when you finish a weld.

Product Brochure For K8779

Generator Compatible

Take it anywhere. Connect the machine to a generator and use it wherever, whenever you need it. We recommend 10kVA for this machine.

Features

- Single and double pulse MIG programs
- High-frequency AC & DC TIG
- MIG & TIG Smart-Set weld modes for complete synergic setups

Includes

- ENVY MULTI 230 AC/DC Welder
- 3m M26 Digital MIG Torch
- 4m T2 TIG Torch
- 4m Twist Lock Electrode Holder
- 4m 300 Amp Earth Clamp & Lead
- Argon Regulator
- 1.8m Quick-Connect Gas Hose
- Operating Manual
- 2 x 0.8-0.9mm V Groove Roller
- 2 x 0.8-0.9mm F Groove Roller
- 2 x 1.0-1.2mm U Groove Roller
- (W498) Binzel Style Digital 26 MIG Torch Consumables Starter Kit - UMSK26
- (W504A) T2 Tig Torch Consumable Pack - UMSKT2
- (W100) ROGUE™ Heavy Duty Welding Gloves - 400mm - UMWG8
- (W006) PROMAX 650 - Auto Darkening Welding Helmet
- (W241) WTU-500 - Universal Welder Trolley

Specific Features



Front View



W100 UMWG8 ROGUE Heavy Duty Welding Gloves 400mm



PROMAX 650 Auto Darkening Welding Helmet



WTU 500 Universal Welder Trolley



T2 Tig Torch Consumable Pack UMSKT2



Binzel Style Digital 26 MIG Torch Consumables Starter Kit UMSK26

Product Brochure For K8779

Recommended Accessories

W498

Binzel Style Digital 26 MIG
Torch Consumables Starter Kit



W5518

Binzel Style M8 0.8mm Contact
Tips - Steel



W5519

Binzel Style M8 0.9mm Contact
Tips - Steel



W5520

Binzel Style M8 1.0mm Contact
Tips - Steel



W5520A

Binzel Style M8 1.0mm Contact
Tips - Aluminium



W5521A

Binzel Style M8 1.2mm Contact
Tips - Aluminium



W5522

Binzel Style 38 Conical Gas
Nozzles



W5523

Binzel Style DM26 Tip Holders
M8



Product Brochure For K8779

W5524

Binzel Style DM26 gas diffusers
M8



W100

ROGUE™ Heavy Duty Welding
Gloves - 400mm



W10362

Magnetic MIG Torch Rest



W10361

Magnetic TIG Torch Rest



W119

Anti-Spatter Spray



O0184

Ar/O₂ - Argon 98% & Oxygen
2% Disposable Cylinder



O0185

CO₂/Ar - 86% Argon & 14%
Carbon Dioxide Disposable
Cylinder



O300

Gas Refillable Cylinder



O304

Gas Refillable Cylinder



O3045

Gas Refillable Cylinder



O302

Gas Refillable Cylinder



O306

Gas Refillable Cylinder



Product Brochure For K8779

O3065
Gas Refillable Cylinder



O0171
Argon Gas Regulator



W160A
Argon Gas Regulator-Twin Gauge



W161
Argon Gas Regulator-Bobbin Flowmeter



W001
Auto Darken Welding Helmet - 9~13 Shade



W002
Auto Darken Welding Helmet - 9~13 Shade



W1000A
Promax HV5 Welding Jacket



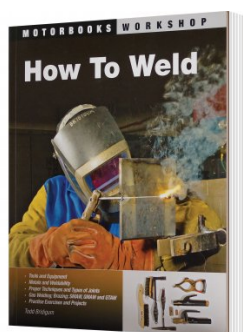
W1001A
Promax Blue FR Welding Jacket



W1002A
Professional Promax BL7 Welding Jacket



L3456
How to Weld Book



W225
Welding Curtain



W138A
Ø0.6mm Mild Steel MIG Welding Wire



Product Brochure For K8779

W140A

Ø0.8mm Mild Steel MIG
Welding Wire



W142

Ø0.9mm Mild Steel MIG
Welding Wire



W135

Ø0.9mm Mild Steel MIG
Welding Wire



W136

Ø0.8mm Mild Steel MIG
Welding Wire



W145B

Ø0.8mm Gasless Mild Steel
MIG Welding Wire



W145

Ø0.9mm Gasless Mild Steel
MIG Welding Wire



W143

Ø1.0mm Aluminium MIG
Welding Wire



W144

Ø1.2mm Aluminium MIG
Welding Wire



W125

Ø1.6mm TIG Filler Rod - Mild
Steel



W126

Ø2.4mm TIG Filler Rod - Mild
Steel



W127

Ø1.6mm TIG Filler Rod -
Stainless Steel



W128

Ø2.4mm TIG Filler Rod -
Stainless Steel



Product Brochure For K8779

W2021

HYPERARC™ 6013 GENERAL PURPOSE



W08450

FIXTURE TABLE



W08500

40pc Square & Round Welding Table Clamp Kit



W08510

Weld Clamps with Locking Nuts (2 Piece Pack)



C103

228mm Multi-Purpose Locking Clamp



W08512

Weld Clamps with Locking Nuts (2 Piece Pack)



W08515

38mm x M12 Multi-Purpose Riser/Stops (Spigot Type) - 4pc Pack



V099

90 degree Angle Vice Clamp



V100

90 degree Angle Vice Clamp

