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Product Brochure For W1681

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

U11203

Ex GST	Inc GST
$3,390.43	$3,899.00



ORDER CODE:	W1681
MODEL:	ENVY MULTI 230
Type:	AC/DC / MIG / TIG / STICK & Multifunction Welder
Part Number:	U11203
Voltage (V):	240
Recommended Plug Amperage (amp):	15
Welding Current Range - MIG (amp):	25 - 230
Welding Current Range - STICK (amp):	10 - 200
Welding Current Range - TIG (amp):	10 - 230
Duty Cycle (% @ amp):	25% @ 230A MIG (@40°C) & 35% @ 230A TIG (@40°C)
Wire Spool Size (kg):	1 / 5
Ferrous Wire Size - Range (mm):	0.6 - 1.2
Stainless Steel Wire Size - Range (mm):	~
Aluminium Wire Size - Range (mm):	~
MMA Rod Size (mm):	~
Wire Feeding Speed (m/min):	~
Recommended Generator (KVA):	10
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.

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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.

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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

Specific Features



Front View

Recommended Accessories

W498
Binzel Style Digital 26 MIG Torch Consumables Starter Kit



W5518
0.8mm Binzel Style M8 Contact Tips - Steel



W5519
0.9mm Binzel Style M8 Contact Tips - Steel



W5520
1.0mm Binzel Style M8 Contact Tips - Steel



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W5520A
1.0mm Binzel Style M8 Contact Tips - Aluminium



W5521A
1.2mm Binzel Style M8 Contact Tips - Aluminium



W5522
Binzel Style 38 Conical Gas Nozzles



W5523
Binzel Style DM26 Tip Holders M8



W5524
Binzel Style DM26 Gas Diffusers M8



W1140FA
Elbor 5356 Aluminium Mig Wire 2kg



W100
ROGUE™ Heavy Duty Welding Gloves - 400mm



W10362
Magnetic MIG Torch Rest



W10361
Magnetic TIG Torch Rest



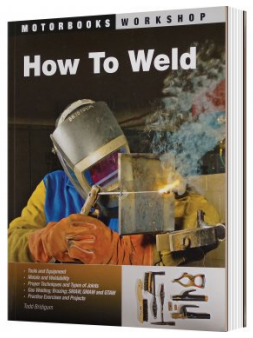
W1140D
Argon Gas Regulator-Twin Gauge



W001
Auto Darken Welding Helmet - 9~13 Shade



L3456
How to Weld Book



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W149
Magswitch Welding Ground Clamps



W08450
FIXTURE TABLE



W08500
40pc Square & Round Welding Table Clamp Kit



W08510
Weld Clamps with Locking Nuts (2 Piece Pack)



C103
228mm Muliti-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

