

MULTI185

Single Pulse MIG.



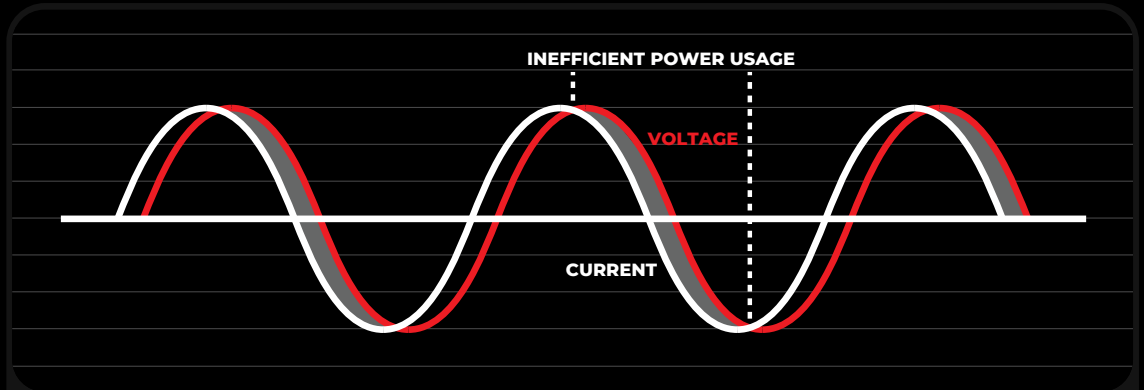
A single pulse weld alternates between a peak and base current, which works to minimise the amount of heat input without compromising on any of the penetration. The addition of a base current and reduction in heat means it's perfect for softer materials like aluminium. Pulse welding is also done by spray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

MACHINE FEATURES



4.3" Colour LCD Interface

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



Power Factor Correction

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.



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.

MIG FEATURES



MIG Smart-Set

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



Digital Geared Wire Drive

Experience unparalleled accuracy with our Digital 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.



Spool Gun Ready

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.

TIG FEATURES



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.



High-Frequency DC 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.



TIG Smart-Set

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

MMA FEATURES



✱ Arc Force

The adjustable arc force adjusts the current (and, therefore, the heat) based on the length of the arc. When the arc becomes shorter, the current increases to keep it stable and stop the electrode from sticking. When the arc becomes longer, the current will decrease.

It allows you to fine-tune your arc and improve your weld's quality and consistency, especially in tight corners or when welding overhead or vertically.



⚡ Power Limit

The adjustable power limit is designed to help maintain a constant power level while welding. Power limit automatically drops the current to a set limit and prevents it from rising to maintain a constant power when the electrode is lifted from the weld pool.



🔒 Anti-Stick

The built-in anti-stick is designed to keep you from ever sticking an electrode again, whether you're at the start of a weld, halfway through or about to end one. When the machine detects that the electrode is sticking, the current will shut off and unstick it.

VIPER MULTI 185



MIG

TIG

STICK

3 YEAR
WARRANTY

Specifications

SKU	U11260
Primary Input Voltage	240V Single-Phase 50/60Hz
Supply Plug	10A
I _{eff} (A)	10
I _{max} (A)	31
Rated Output	20-185A
No Load Voltage (V)	67.0
Protection Class	IP21S
Insulation Class	H
Minimum Generator (kVA)	10
Dinse Connector	35/50
Standard	AS 60974.1
Welds	MIG: Mild Steel, Stainless Steel, Aluminium, Silicon Bronze MMA: Mild Steel, Stainless Steel, Cast Iron TIG: Mild Steel, Stainless Steel, Copper, Silicon Bronze, Titanium
Warranty (Years)	3

MIG Specifications

MIG Welding Current Range	30-185A
MIG Duty Cycle @ 40°C	10% @ 185A 60% @ 77A 100% @ 60A
MIG Wire Size Range	0.6-1.0mm
MIG Wire Spool Size	1kg (100mm) / 5kg (200mm)
MIG Welding Thickness Range	1-10mm
Drive Roller Size	30/22

TIG Specifications

TIG Function Type	DC High-Frequency TIG
TIG Welding Current Range	20-185A
TIG Duty Cycle @ 40°C	10% @ 185A 60% @ 77A 100% @ 60A
TIG Welding Thickness Range	1-6mm

MMA Specifications

MMA Welding Current Range	20-180A
MMA Duty Cycle @ 40°C	10% @ 180A 60% @ 75A 100% @ 60A
MMA Electrode Range	2.5-4.0mm
MMA Welding Thickness Range	2-10mm

Size & Weight

Dimensions (mm)	523x214x388
Weight (kg)	13.5

RECOMMENDED ACCESSORIES



M26 MIG Torch Consumables Starter Kit

SKU: UMSK26



SR17 TIG Torch

SKU: SR-17-4MCP50-1 (4m)

SKU: SR-17-8MCP50 (8m)



150A Spool Gun

SKU: PLSP150A



Wired Foot Pedal

SKU: U51017

ADDITIONAL FEATURES

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.

Adjustable Arc Length

Get absolute precision on your settings. The adjustable arc length allows you to increase or decrease the preselected voltage while in synergic and pulse MIG modes.

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.

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.

Smart Fan

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

IP21S Rating

Rated IP21S, so it's protected from touch by fingers and objects greater than 12mm, and water spray from a vertical direction.

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.

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, inductance, and burnback.