



STRATA

SUPERIOR WELDING PRODUCTS



**WELDING MACHINE &
PLASMA CUTTER RANGE**



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“Designed and Engineered for the Serious Industrial User”

THE STRATA STORY

Strata Welding Company started on its welding journey in the 1980's in a joint technology sharing venture, with a small, innovative market leading inverter welding manufacturer and OEM assembler in the USA. In an era where the average Arc Welder weighed in at 150kgs plus, the market changing Strata 300A & 400A Inverter

Strata's revolutionary inverter machines revolutionised the welding market in the 1980's



The typical welding machine in the 80's weighed in at 150kg +

the job with aplomb, day in day out!! Many of these machines are about to celebrate their 30th birthday and are still in daily use in tough industry applications and still contributing strongly to building the welding legend that is STRATA.

Arc Welding Machines launched on the market in 1984 were received and adopted by the professional welding fraternity with open arms. This quantum leap in welding machine design started a technology revolution in the market that has continued to build and “raise the bar” on inverter welding machines for the past 4 decades.

Following on from the ground breaking Strata STM series, arc welding voltage sensing wire feeders were added and the Strata MIG series was born in the late 80s'. This set the benchmark and changed the market in the oil/gas pipe welding industry throughout the world with the superb portability and rugged

“The innovators are the winners in today's fast changing welding environment”

Just like STRATA pioneered the way with inverter welding technology in the 80s, the new 2016 Inverter range sets the standard performance and value at a heady new level. Technology and innovations previously the domain of only the specialist high end manufacturers are interwoven in the new 2016 STRATA series DNA. This technology, which is distilled down and simplified so that it is intuitive and logical to operate, allows you to gain productivity and efficiency fast.

Why do your customers come to you??

STRATA understands that you as a welding professional have built your legacy and goodwill in the market on superior skills, hand work, reliability and the ability to get the job done. That's why we have built the new STRATA range to mirror these essential traits and provide you with the ultimate welding machines to continue to build your profits and status with your customers. We realise that your customers want results, not excuses and the STRATA range will stand behind you all the way.

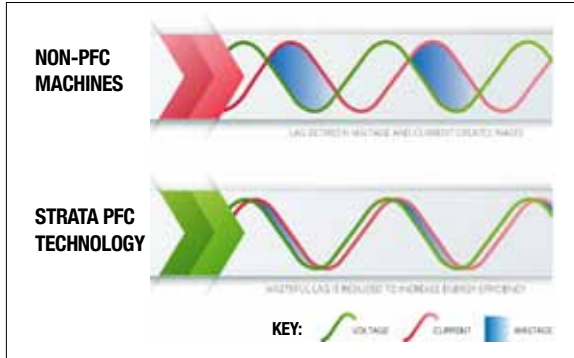


Full digital control and simple and intuitive LED displays enable quick and easy setup.

“The general premise that welding machines are created somewhat equal has just been shattered with the introduction of the new STRATA welding machine range”.

Let's start with the PFC Advantage:

This ground breaking technology allows the operator to experience substantially higher performance levels while saving power. PFC changes the input wave form, eliminating power factor losses and creating efficiency (gains) of up to 40%! This is equivalent to moving from a transformer to an inverter welder - so prepared to be amazed!



Strata PFC greatly increases efficiency and performance at lower current draw

Faster Welding Speeds:

We all know that speed plus quality = increased productivity and STRATA's new welding speeds and weld quality are astounding, even with the most skeptical welding professionals. With the new STRATA range, we have set out not just to raise the bar, but re-define the whole rules of welding.

So how are these numbers arrived at?

As a rule, a professional skilled welder works around 1900 hours per year. With an "average" welding machine as his tool of trade, which say decreases his welding efficiency to be only 8%, then that is a loss of 152 hours (or over 3 weeks!!) If we then assume an hourly rate of \$30 per hour, that equates to \$4560 per year!!

Given that "average" welding machines often have a life span of less than 5 years, and a minimum of 10 years for a quality machine, then this can be conservatively doubled to reach. When this is considered, it is simple to see why STRATA is the welding machine of choice for discerning welding professionals.

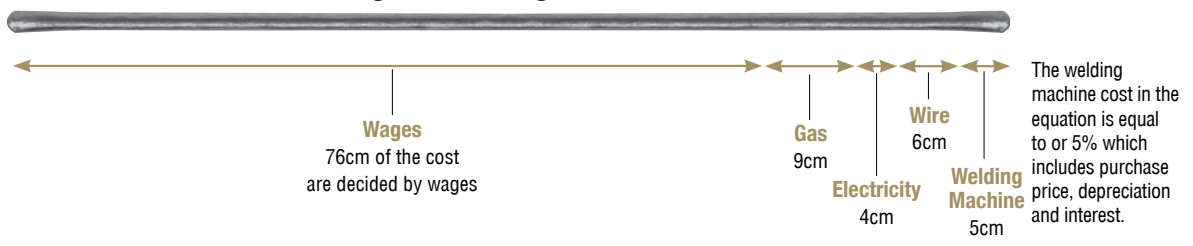
Increase your Profits out of Sight with Strata!



Did you know when welding a 1m length of weld, the welding machine cost component is only 5cm!

- So if 5cm equates to 5%... - 76% of the weld cost are wages
- 9% of the cost is gas
- 6% of the cost is wire
- 4% of the cost is electricity

Cost Break Down for 1m Length of Welding Seam



Only 5% of the cost is the welding machine

Actually, even less with the proven life span and value of a premium quality machine like STRATA. It's something we all have to keep in mind. Compared to wages and auxiliary materials, the purchase of a new welding machine makes up only a small portion of your overall costs. Yet everyone looks at the price of the machine, and forgets the after cost. Especially the wage costs, which take off drastically as a result of an unsuitable, cheap welding machine.

This key fact emphasises the importance of investing in the latest technology and fast, efficient reliable welding machine technology like what is embodied in every STRATA machine. If a poor quality, cheap price machine is utilised, wage costs can soar and profits disappear very quickly.

The STRATA brand of welding machines are built tough for everyday practical use, and so we make them truly productive.

Here at STRATA we have done everything possible to ensure that even the machine pricing ranges are market leading. You can prove the satisfaction of investing in a welding machine that will maximise your return on investment for many years to come. Backed by our STRATA 3 year Guarantee! (Advanced Series)

With STRATA, performance is real and we back this up by a comprehensive 3 year commercial warranty. No tricks, just very simple commonsense (some may say old fashioned) rock solid backup that gives you total peace of mind.

Re-lead your business today with the Strata advantage, and re-discover the joy of welding and increased profits.



STRATA

SUPERIOR WELDING PRODUCTS

WHAT TO LOOK FOR IN A NEW GENERATION WELDING MACHINE

Safety

All machines are equipped with voltage, current and thermal sensing technology. Ideal for use in safety conscious environments like mines & construction sites.

Microprocessor Controlled IGBT

Differs from standard IGBT technology in that the micro-processor controlled variant ensures faster and smarter current switching, a greater reliability of components and the ability to produce a high duty cycle.

Settings made easy

Features like pre-set displays, hot start/ anti-stick down slope and gas control make your welding experience that easy to operate you won't want to stop!

Super Duty Accessories

Equipped with heavy duty over spec MIG/MMA leads and torches as standard means you won't be let down when the going gets tough.



PFC (Power Factor Correction)

PFC procedures ensure greater efficiency than standard non-PFC machines. Through the use of specific technology and modifying the input power wave, PFC units are capable of a higher power output with less power consumption (Up to 40% more efficient).

Environment Protection

With an IP23 Electrical Rating all Strata models are resistant against moisture, salt spray and corrosion. Resulting in increased longevity and reliability.

Premium Warranty

12 month standard warranty with online upgrade option to 36 months.

Over-spec Electronics

All Strata machines feature componentry and electronic specifications in excess of machine standards, i.e. Every single phase 230V machine is tested in excess of 200% variance of input power (440V).

Ask for a demo today and prove for yourself how STRATA can revolutionise your business!

WARRANTY BACKUP WITH ONLINE REGISTRATION



ALL STRATA Machines include the following:

- Advanced Series - 36 Month Warranty *
- Ezi Series - 24 Month Warranty *
- High Duty Cycle
- Designed and Built in the Strata Factory for the Tough New Zealand Conditions
- Australasian Wide Service / Sales Support Network

* Conditions apply - Product must be registered online to be eligible.

HOW TO CHOOSE YOUR STRATA WELDING MACHINE

“Designed and Manufactured for the Serious Industrial User”

This statement will always be true of Strata - NZ's leading brand of Industrial Welding Solutions, however... thanks to technology, innovation and customisation, the new 2016 range is as accommodating to use as it is tuneable. Read on for a summary of how the New 2016 Range fits into your individual needs.

Range Overview:

PROCESS:	MMA (STICK)	MIG	TIG	PLASMA
AUTOMOTIVE	EZIARC 160 ADVANCEARC 160 XM205PRO	EZIMIG 200 ADVANCEMIG 200	EZITIG 180 ADVANCETIG 200 ADVANCETIG 200AC/DC	EZICUT 40
REPAIR & MAINTENANCE	EZIARC 160 ADVANCEARC 160 EZI ARC 200 ADVANCEARC 200 ADVANCEARC 400	EZIMIG 200 ADVANCEMIG 200 ADVANCEMIG 250 ADVANCEMIG 350	EZITIG 180 ADVANCETIG 200 ADVANCETIG 200AC/DC	EZICUT40 ADVANCECUT 40
LIGHT FABRICATION	ADVANCEARC 160 ADVANCEARC 200 XM255PRO	ADVANCEMIG200 ADVANCEMIG250	EZITIG 180 ADVANCETIG 200 ADVANCETIG 200AC/DC	ADVANCECUT 40
HEAVY FABRICATION	ADVANCEARC 400 ADVANCEARC 500 XI630ARC	ADVANCEMIG 350 ADVANCEMIG 500	ADVANCETIG 320AC/DC	ADVANCECUT 65 SC120D

ARC (MMA)



EZIARC 160 EZIARC 200 ADVANCEARC 160 ADVANCEARC 200 ADVANCEARC 400 ADVANCEARC 500 XI630ARC

MIG



XM205PRO XM255PRO EZIMIG 200 ADVANCEMIG 200 ADVANCEMIG 250 ADVANCEMIG 350 ADVANCEMIG 500

TIG



EZITIG 180 ADVANCETIG 200 ADVANCETIG 200AC/DC ADVANCETIG 320AC/DC

PLASMA



EZICUT 40 ADVANCECUT 40 ADVANCECUT 65 SC120D

ICONS USED IN THIS BOOK

FOR FEATURES & SPECIFICATIONS

The new Strata range has many features and specifications across different machines. We use icons to depict each feature on the product page. Read on to find out how each feature can assist you in choosing the machine best suited to your requirements.



CONSTANT CURRENT
For constant current MMA, TIG and arc air gouging.



CONSTANT VOLTAGE
For MIG/MAG welding.



CONSTANT CURRENT / VOLTAGE
Switchable for MMA (Stick), TIG and MIG/MAG welding.



ALTERNATING OUTPUT CURRENT
Used for some MMA (Stick) and TIG welding on non-ferrous metals.



DIRECT OUTPUT CURRENT
Use when TIG welding ferrous metals and MMA welding with electrodes.



ALTERNATING / DIRECT CURRENT
For welding different materials.



PULSE WELDING OUTPUT
A must have when TIG welding hard-to-weld materials and fine finishes.



VOLTAGE REDUCTION DEVICE
MMA (Stick) safety protection.



POWER FACTOR CORRECTION
Increased input power efficiency and duty cycle (up to 40%) and saves 40% power at similar output levels of non-PFC machines.



IP23
Corrosion and salt spray resistant.



SPOOL GUN READY
Machine ready for spool gun connection.



LIFT TIG
Machine ready for lift TIG operation with the optional torch available.



WATER COOLER
Water cooler and torch included.



PILOT ARC
Low RF interference for EMF sensitive applications.



SPIKE / GENERATOR SAFE
Protects machine from voltage spikes. Generator safe.



SINGLE PHASE
230V Input power required.



THREE PHASE
400V Input power required.



MULTI-VOLTAGE INPUT POWER
110V - 230V capable. Suitable for use on long extension cords.



SYNERGIC OPERATION
Fully automatic program selection for material and weld type.



4 WHEEL DRIVE WIRE FEEDER
Positive wire drive with limited slipping.



LCD COLOUR SCREEN
Easy and intuitive to set up and operate.



CELLULOSE RODS
Able to be used with this machine.



10A INPUT POWER PLUG
For non-industrial power supplies



INTELLIGENT PROTECTION SYSTEM
Voltage, current and thermal sensing technology.



IGBT INVERTER TECHNOLOGY
For increased performance and reliability.



PHASE LOSS PROTECTION
Automatically shuts machine down to prevent damage.



HF START TIG
High frequency start for when working on dirty and contaminated workpieces



CNC CUTTING
CNC interface capable for PC/CNC tables.



MMA (STICK) WELDING MACHINES



MMA (STICK) WELDERS

• EZIARC 160 • EZIARC 200 •

The EZIARC Series of MMA (stick) Welders pack a punch at a lightweight 3.8kg. Built tough for on-site work & engineering applications they are also very versatile having the latest hot start/antistick technology and easily controlling from 1.6mm to 5.0mm low hydrogen or general purpose electrodes.



- IGBT Inverter technology for smooth & stable welding output
- Lightweight & compact design for portable applications and rugged conditions
- Production tested to 440V for extreme stress testing in production for rugged reliability
- Strong environmental protection (IP23) for protection against moisture, salt spray and corrosion
- Automatic arc force, hot start & anti-stick for greater control and ease of use
- Lift TIG welding operation for precision in aesthetically important welding jobs (torch optional)
- Digital current display meter for accurate pre-setting and feedback of welding parameters & output
- High quality & over specified electronic components for durability & reliability.



230V 50HZ
SINGLE
PHASE



IGBT
INVERTER
TECHNOLOGY



DIRECT
CURRENT
OUTPUT



SPIKE/
GENERATOR
SAFE



INTELLIGENT
PROTECTION
SYSTEM



IP23
CORROSION
& SALT SPRAY
RESISTANT



LIFT TIG
(OPTIONAL
TORCH)



CONSTANT
CURRENT

EZIARC 160

DIMENSIONS:	WEIGHT:	INPUT POWER SUPPLY:	MAX. INPUT CURRENT:	GENERATOR CAPACITY:	MMA CURRENT OUTPUT:	MMA O/C VOLTAGE:	DUTY CYCLE:	STANDARDS:	MMA ROD SIZE:	MAX WELD THICKNESS
296 x 132 x 260mm	3.8kg	230V AC 15A 50Hz	35A	8 KVA	10A-160A	74V	60% @130A	EN60974-1:2012	1.6 - 4.0mm	8mm

EZIARC 200

DIMENSIONS:	WEIGHT:	INPUT POWER SUPPLY:	MAX. INPUT CURRENT:	GENERATOR CAPACITY:	MMA CURRENT OUTPUT:	MMA O/C VOLTAGE:	DUTY CYCLE:	STANDARDS:	MMA ROD SIZE:	MAX WELD THICKNESS
296 x 132 x 260mm	3.8kg	230V AC 15A 50Hz	47A	11 KVA	10A-200A	74V	60% @145A	EN60974-1:2012	1.6 - 5.0mm	10mm

MMA (STICK) WELDERS

• ADVANCEARC 160 • ADVANCEARC 200 •

The Advance Series of MMA (Stick) Welders offer the latest IGBT and PFC (Power Factor Correction) technology for smart operators. Increased reliability, performance for harsh and demanding conditions are some of the benefits surrounding the Advanced Series Welders. Equipped with multi voltage technology, giving you piece of mind when operating on generators or long extension cords.



- IGBT Inverter technology for smooth & stable welding output
- Active PFC technology with high duty cycle and energy efficiency
- VRD Protection for increased safety
- Multi voltage input - operates with wide range of input voltage, even with long extension leads (up to 100m)
- Damage resistant industrial casing with front panel protection
- Microprocessor control system for superior and dynamic arc characteristics
- Lightweight & compact design, ideal for portable applications
- Automatic arc force, hot start & anti-stick for greater control and ease of use
- Lift TIG welding operation for precision in aesthetically important welding jobs (torch optional)
- High quality & over specified electronic components for durability & reliability
- 10A input power plug for non-industrial power supply (ADVANCEARC 160).



230V 50HZ SINGLE PHASE



IGBT INVERTER TECHNOLOGY



DIRECT CURRENT OUTPUT



SPIKE/GENERATOR SAFE



VOLTAGE REDUCTION DEVICE



CONSTANT CURRENT



INTELLIGENT PROTECTION SYSTEM



IP23 CORROSION & SALT SPRAY RESISTANT



LIFT TIG (OPTIONAL TORCH)



POWER FACTOR CORRECTION



MULTI VOLTAGE 110 - 230V



10A PLUG (ADVANCEARC 160)

ADVANCEARC 160

DIMENSIONS:	WEIGHT:	INPUT POWER SUPPLY:	MAX. INPUT CURRENT:	GENERATOR CAPACITY:	MMA CURRENT OUTPUT:	MMA O/C VOLTAGE:	DUTY CYCLE:	STANDARDS:	MMA ROD SIZE:	MAX WELD THICKNESS
390 x 146 x 278mm	6kg	230V AC 10A 50Hz	21.6A	5 KVA	10A-160A	66V	60% @135A	EN60974-1:2012	1.6 - 4.0mm	8mm

ADVANCEARC 200

DIMENSIONS:	WEIGHT:	INPUT POWER SUPPLY:	MAX. INPUT CURRENT:	GENERATOR CAPACITY:	MMA CURRENT OUTPUT:	MMA O/C VOLTAGE:	DUTY CYCLE:	STANDARDS:	MMA ROD SIZE:	MAX WELD THICKNESS
410 x 146 x 278mm	7kg	230V AC 15A 50Hz	28.6A	6.6 KVA	10A-200A	66V	60% @165A	EN60974-1:2012	1.6 - 5.0mm	10mm

MMA (STICK) WELDERS

• ADVANCEARC 400 • ADVANCEARC 500 •

The Advance Series 3 Phase MMA (Stick) Welders include the latest IGBT technology & high tech features for industrial use. IGBT means increased reliability and performance for demanding industrial conditions. Bulletproof overspec Internals factory tested to 550V and IP23 External (abuse) rating means the Advance 3 Phase Series will be with you for life.



- IGBT Module Inverter Technology for smooth and stable output, increased reliability and high duty cycle
- Phase loss protection prevents damage as machine automatically shuts down if power supply phase loss occurs
- Designed for using cellulose welding rods
- Selectable VRD Protection for increased safety
- Damage resistant industrial casing with front panel protection
- Microprocessor control system for superior and dynamic arc characteristics
- Lightweight & compact design, ideal for portable applications
- Adjustable arc force, hot start & anti-stick for greater control and ease of use
- Digital current display meter for accurate pre-setting and feedback of welding parameters & output.
- Temperature, voltage and current sensors for increased reliability & safety
- Power source wind tunnel cooling construction for protection against environmental contamination.



400V THREE PHASE	IGBT INVERTER TECHNOLOGY	DIRECT CURRENT OUTPUT	SPIKE/GENERATOR SAFE	VOLTAGE REDUCTION DEVICE	PHASE LOSS PROTECTION
INTELLIGENT PROTECTION SYSTEM	IP23 CORROSION & SALT SPRAY RESISTANT	LIFT TIG (OPTIONAL TORCH)	CONSTANT CURRENT	CELLULOSE WELDING RODS	

ADVANCEARC 400

DIMENSIONS:	WEIGHT:	INPUT POWER SUPPLY:	MAX. INPUT CURRENT:	GENERATOR CAPACITY:	MMA CURRENT OUTPUT:	MMA O/C VOLTAGE:	DUTY CYCLE:	STANDARDS:	MMA ROD SIZE:	MAX WELD THICKNESS
485 x 240 x 445mm	19kg	400V AC 50Hz 3 Phase	33A	23KVA	20A-400A	90V	60% @400A	EN60974-1:2012	1.6 - 6.0mm	12mm +

ADVANCEARC 500

DIMENSIONS:	WEIGHT:	INPUT POWER SUPPLY:	MAX. INPUT CURRENT:	GENERATOR CAPACITY:	MMA CURRENT OUTPUT:	MMA O/C VOLTAGE:	DUTY CYCLE:	STANDARDS:	MMA ROD SIZE:	MAX WELD THICKNESS
550 x 240 x 445mm	23kg	400V AC 50Hz 3 Phase	45A	32KVA	20A-500A	90V	60% @400A	EN60974-1:2012	1.6 - 6.0mm	12mm +

MMA (STICK) WELDERS

• XI630ARC •

The ultimate heavy duty industrial welder with massive 630A output. Robust construction and generator safe, the XI630ARC will handle the most demanding applications and environments. Ideal for heavy construction work, ship building and arc air gouging.



- IGBT Module Inverter Technology for smooth and stable output, increased reliability and high duty cycle
- High open circuit voltage
- Adjustable arc force, hot start & anti-stick for greater control and ease of use
- Digital current display meter for accurate pre-setting and feedback of welding parameters & output
- VRD function for energy saving and enhanced safety
- Damage resistant roll cage and protection system
- Perfect for arc air gouging
- Heavy duty wheels, axles and castors for rugged on-site work
- Turbo cooling technology for high duty cycle.



400V
THREE
PHASE



IGBT
INVERTER
TECHNOLOGY



DIRECT
CURRENT
OUTPUT



SPIKE/
GENERATOR
SAFE



CONSTANT
CURRENT



CELLULOSE
WELDING
RODS








VOLTAGE
REDUCTION
DEVICE

XI630ARC

DIMENSIONS:	WEIGHT:	INPUT POWER SUPPLY:	MAX. INPUT CURRENT:	GENERATOR CAPACITY:	MMA CURRENT OUTPUT:	MMA O/C VOLTAGE:	DUTY CYCLE:	STANDARDS:	MMA ROD SIZE:	MAX WELD THICKNESS
810 x 360 x 780mm	52kg	400V AC 50Hz 3 Phase	48A	35KVA	40A-630A	75V	45% @ 630A	EN60974-1:2012	1.6 - 10mm	12mm +

MMA (STICK) WELDING ACCESSORIES & CONSUMABLES

○ Standard ● Optional

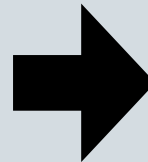
ACCESSORY:	EZIARC 160	EZIARC 200	ADVANCEARC 160	ADVANCEARC 200	ADVANCEARC 400	ADVANCEARC 500	XI630ARC
Arc Leads 	○ AAL1625	○ AAL1625	○ AAL3550	○ AAL3550	○ 17479	○ 17479	○ 17479
Earth Leads 	○ AEL1625	○ AEL1625	○ AEL3550	○ AEL3550	○ 17478	○ 17478	○ 17478
TIG Torch 	● TWP17V-12-2D	● TWP17V-12-2D	● TWP17V-25-2	● TWP17V-25-2	● TWP17V-25-2	● TWP17V-25-2	● TWP17V-25-2
Argon Regulator 	● GR101AR	● GR101AR	● GR101AR	● GR101AR	● GR101AR	● GR101AR	● GR101AR
Gouging Torch 	-	-	-	-	● GTK4000	● GTK4000	● GTK4000

MMA (Stick) Welding Electrodes

CODE:	DESCRIPTION:
ETCPH48 25/32/40/50	OVERCORD R92 General Purpose Electrode
ETCPH68 25/32/40/50	OVERCORD General Purpose Electrode
ETCPH45 25/32/40/50	SUPERCORD 45 General Purpose Electrode
ETCPH56S 25/32/40/50	TENAX 56S Low Hydrogen Electrode
ETCPH77 25/32/40/50	SUPERCITO Low Hydrogen Electrode



**See pages 31 - 39 for
related consumables
and accessories.**





MULTI PROCESS MIG WELDING MACHINES

MULTI PROCESS
MIG WELDERS



MULTI-PROCESS MIG WELDERS

• XM205PRO • XM255PRO •

The ultimate single phase integrated trolley option. These multi-process MIG, MMA (stick) and TIG capable XM Series are ultra versatile, being able to tackle almost any material. Choose from 200A or 250A options on single phase power, both providing reliable high performance in the most harshest of environments.



- Single phase, 230V input power.
- Gas / gasless MIG for flux and solid cored wire
- DC scratch start TIG (Torch optional)
- Digital voltage and amperage display
- Optional 6m standard spool gun
- Heavy duty gas bottle trolley, wheels and castors
- High quality & over specified electronic components for durability and reliability
- 4 Roll drive for consistent wire feed
- Inductance control adjustment.

See pages 19 and 31 - 39 for related consumables and accessories.

230V 50HZ SINGLE PHASE	IGBT INVERTER TECHNOLOGY	DIRECT CURRENT OUTPUT	CONSTANT CURRENT/ VOLTAGE
LIFT TIG (OPTIONAL TORCH)	SPOOL GUN CAPABLE	SPIKE/ GENERATOR SAFE	4 WHEEL DRIVE WIRE FEEDER

XM205PRO

DIMENSIONS:	WEIGHT:	INPUT POWER SUPPLY:	MAX. INPUT CURRENT:	GENERATOR CAPACITY:	CURRENT OUTPUT:	MMA O/C VOLTAGE:	MIG DUTY CYCLE:	STANDARDS:	MMA ROD SIZE:	MAX WELD THICKNESS	MIG WIRE SIZE
655 x 295 x 610mm	34kg	230V AC 15A 50Hz	29.2A	6KVA	MMA 10-200A MIG 25-200A	54V	100% @155A	EN60974-1:2012	1.6 - 4.0mm	10mm	0.6 - 1.2

XM255PRO

DIMENSIONS:	WEIGHT:	INPUT POWER SUPPLY:	MAX. INPUT CURRENT:	GENERATOR CAPACITY:	CURRENT OUTPUT:	MMA O/C VOLTAGE:	MIG DUTY CYCLE:	STANDARDS:	MMA ROD SIZE:	MAX WELD THICKNESS	MIG WIRE SIZE
655 x 295 x 610mm	48kg	230V AC 15A 50Hz	38.2A	10.4KVA	MMA 50-250A MIG 25-250A	54V	100% @198A	EN60974-1:2012	1.6 - 5.0mm	12mm +	0.6 - 1.2

MULTI-PROCESS MIG WELDERS

• EZIMIG 200 •

Ultra compact and easy to use, the EZIMIG 200 is ideal in automotive workshops for repairs and maintenance. MIG and MMA (Stick) function with hot start / anti-stick technology with spike protection, the EZIMIG 200 is built for rugged conditions in New Zealand workshops.



- IGBT Inverter technology for smooth & stable welding output with increased reliability
- 4 Roll geared metal wire feed unit for a powerful & smooth wire feed
- MIG waveform (Inductance) control gives greater control of the arc and smoother welding results
- Damage resistant industrial casing with front panel protection
- Wire inching and gas purge control
- Lightweight & compact design ideal for portable applications
- Strong environmental protection against moisture, salt spray and corrosion
- Adjustable arc force, automatic hot start & anti stick control
- Dual digital display meters for accurate pre-setting and feedback of welding parameters & output
- High quality & over specified electronic components for durability & reliability
- Temperature, voltage and current sensors for increased reliability & safety
- Designed to work with generator power supply and protect from power surges
- 15kg (D300) spool capable.



230V 50HZ
SINGLE
PHASE



IGBT
INVERTER
TECHNOLOGY



DIRECT
CURRENT
OUTPUT



CONSTANT
CURRENT/
VOLTAGE



LIFT TIG
(OPTIONAL
TORCH)



SPIKE/
GENERATOR
SAFE



INTELLIGENT
PROTECTION
SYSTEM



4 WHEEL
DRIVE WIRE
FEEDER



IP23
CORROSION
& SALT SPRAY
RESISTANT

EZIMIG 200

DIMENSIONS:	WEIGHT:	INPUT POWER SUPPLY:	MAX. INPUT CURRENT:	GENERATOR CAPACITY:	OUTPUT CURRENT:	MMA O/C VOLTAGE:	DUTY CYCLE:	STANDARDS:	MMA ROD SIZE:	MAX WELD THICKNESS:	MIG WIRE SPOOL SIZE:	MIG WIRE SIZE:
618 x 240 x 445mm	20.5kg	230V AC 15A 50Hz	35A	8KVA	MIG 40-200A MMA 10-160A	63V	MIG 60%@155A MMA 60%@140A	EN60974-1:2012	1.6 - 5.0mm	10mm	D200/D300 5kg/15kg	0.6 - 1.2

MULTI-PROCESS MIG WELDERS

• ADVANCEMIG 200 •















The ultimate single phase synergic MIG welder with full LCD colour screen. Easy set up and operation on an incredible wide range of materials. Lift TIG, spool gun ready and multi voltage capable (operates on an extension cord) are just some of the features the ADVANCEMIG 200 boasts. A must have for todays industrial professional.



- Professional aluminium chassis wire feeder for smooth and consistent wire feed
- Active PFC technology for increased duty cycle and energy efficiency
- Multi voltage input, can even be used with long extension lead
- Synergic MIG operation for optimum welding results every time
- Remote control spool gun connection for effective results welding with soft wires such as aluminium. Suitable for mig brazing with bronze wires
- Lift TIG operation with down slope, post gas and remote current control ability (torch optional)
- Reversible polarity MIG welding operation suitable for gas & gasless MIG welding
- Mig waveform (inductance) control for great arc control and smooth welding results
- Wire inching and gas purge control for a safe & simple to set up
- Adjustable arc force, hot start & automatic anti stick control
- Full Colour LCD Display
- Temperature, voltage and current sensors for increased reliability & safety
- Compact size, capable of 5kg wire spool (D200). Ideal for onsite work.

 **UPGRADE**
to include:
COMPACT TROLLEY
(#17384)

 See pages 19 and 31 - 39
for related consumables
and accessories.

 230V 50HZ SINGLE PHASE	 IGBT INVERTER TECHNOLOGY	 DIRECT CURRENT OUTPUT	 CONSTANT CURRENT/ VOLTAGE	 LIFT TIG (OPTIONAL TORCH)	 SPOOL GUN CAPABLE	 POWER FACTOR CORRECTION
 SPIKE/ GENERATOR SAFE	 INTELLIGENT PROTECTION SYSTEM	 LCD SCREEN	 IP23 CORROSION & SALT SPRAY RESISTANT	 VOLTAGE REDUCTION DEVICE	 MULTI-VOLTAGE INPUT POWER	 SYNERGIC OPERATION

ADVANCEMIG 200

DIMENSIONS:	WEIGHT:	INPUT POWER SUPPLY:	MAX. INPUT CURRENT:	GENERATOR CAPACITY:	OUTPUT CURRENT:	MMA O/C VOLTAGE:	DUTY CYCLE:	STANDARDS:	MMA ROD SIZE:	MAX WELD THICKNESS:	MIG WIRE SPOOL SIZE:	MIG WIRE SIZE:
511 x 213 x 400mm	12kg	230V AC 15A 50Hz	28A	6.6KVA	MIG 25-200A MMA 10-200A	63V	MIG 60%@165A MMA 60%@165A	EN60974-1:2012	1.6 - 4.0mm	10mm	D100/D200 0.5kg/5kg	0.6 - 1.2

MULTI-PROCESS MIG WELDERS

• ADVANCEMIG 250 •

The ADVANCEMIG 250 is a fully featured synergic multi process MIG welding machine suited to all types of jobs. With inbuilt PFC Technology, IP23 Protection and an Intelligent Protection System (IPS) means that this model is built to withstand the harshest of environments found in the NZ workplace. MIG, TIG and MMA processes enable this machine to excel when welding panel steel, structural steel and aluminium.



- Digital microprocessor control system for superior & dynamic ARC characteristics
- Active PFC technology for increased duty cycle and energy efficiency
- Multi voltage input, can use with long extension lead
- Synergic MIG operation for optimum welding results
- Remote control spool gun connection for effective results with soft wires such as aluminium. Suitable for MIG brazing with bronze wires
- Lift TIG operation with down slope, post gas and remote current control ability (torch optional)
- Reversible polarity MIG welding operation suitable for gas & gasless MIG welding
- Mig waveform (inductance) control for great arc control and smooth welding results
- Wire inching and gas purge control for safe & simple set up
- Lightweight & compact design ideal for portable applications
- High quality & over specified electronic components
- Temperature, voltage and current sensors for increased reliability & safety
- Parameter save & recall function
- 15kg (D300) spool capable.



UPGRADE
to include:
WATER COOLER & TORCH
(#17403 + #MT501-3E)



See pages 19 and 31 - 39
for related consumables
and accessories.



230V 50HZ
SINGLE
PHASE



IGBT
INVERTER
TECHNOLOGY



DIRECT
CURRENT
OUTPUT



CONSTANT
CURRENT/
VOLTAGE



LIFT TIG
(OPTIONAL
TORCH)



SPOOL GUN
CAPABLE



POWER FACTOR
CORRECTION



SPIKE/
GENERATOR
SAFE



INTELLIGENT
PROTECTION
SYSTEM



4 WHEEL
DRIVE WIRE
FEEDER



IP23 CORROSION
& SALT SPRAY
RESISTANT



VOLTAGE
REDUCTION
DEVICE



MULTI-VOLTAGE
INPUT POWER



SYNERGIC
OPERATION

ADVANCEMIG 250

DIMENSIONS:	WEIGHT:	INPUT POWER SUPPLY:	MAX. INPUT CURRENT:	GENERATOR CAPACITY:	OUTPUT CURRENT:	MMA O/C VOLTAGE:	DUTY CYCLE:	STANDARDS:	MMA ROD SIZE:	MAX WELD THICKNESS:	MIG WIRE SPOOL SIZE:	MIG WIRE SIZE:
618 x 240 x 445mm	23kg	230V AC 15A 50Hz	40A	9.4KVA	MIG 25-250A MMA 10-250A	65V	MIG 60%@195A MMA 60%@180A	EN60974-1:2012	1.6 - 5.0mm	12mm +	D100/D200/D300 0.5kg/5kg/15kg	.6 - 1.6



**MULTI PROCESS
MIG WELDERS**

MULTI-PROCESS MIG WELDERS

• ADVANCEMIG 350 • ADVANCEMIG 500 •

State of the art synergic technology with full operational controls on the remote wire feeder makes setup and operation a breeze. Rich in features including a 4 roll wire feeder and integrated protection systems mean these 3 phase machines are top of the class in performance, reliability and user satisfaction. Designed for rugged heavy work day in and day out.



- Intelligent digital wire feeder with all MIG controls and display located on wire feeder control panel
- Digital microprocessor control system for superior & dynamic arc characteristics
- Optional Integrated heavy duty industrial trolley with storage compartment option
- Optional extended 10m interconnect cable (500A rated Water Cooled #17391) (350A rated Air Cooled #17388)
- Modular power source can be used individually for MMA, arc air gouging and lift TIG welding (only 21kg!)
- Synergic mig operation for optimum welding results every time
- Lift TIG operation with down slope and remote current control (torch optional)
- MIG waveform (inductance) control for great arc control and smoother welding results
- Damage resistant industrial casing with front panel protection
- Wire inching and gas purge control for safe, simple set up and ease of use
- Adjustable pre flow, post flow, burn back and soft start settings
- 2T/4T trigger operation with crater control settings
- Adjustable arc force, hot start & automatic anti stick control
- Dual digital display meters for accurate pre setting and feedback of welding parameters & output.

400V THREE PHASE	IGBT INVERTER TECHNOLOGY	DIRECT CURRENT OUTPUT	CONSTANT CURRENT/ VOLTAGE	VOLTAGE REDUCTION DEVICE	SPOOL GUN CAPABLE	WATER COOLED (ADV500)
SPIKE/ GENERATOR SAFE	INTELLIGENT PROTECTION SYSTEM	PHASE LOSS PROTECTION	IP23 CORROSION & SALT SPRAY RESISTANT	4 WHEEL DRIVE WIRE FEEDER	LIFT TIG (OPTIONAL TORCH)	SYNERGIC OPERATION

See pages 19 and 31 - 39 for related consumables and accessories.

RECOMMENDED PACKAGES:

ADVANCEMIG 350
POWER SOURCE, WIRE FEEDER & ACCESSORIES (#17385)
POWER SOURCE, WIRE FEEDER, TROLLEY & TOOLBOX (#17820)

ADVANCEMIG 500
POWER SOURCE, WIRE FEEDER, ACCESSORIES, WATER COOLER & WATER COOLED TORCH (#17821)

ADVANCEMIG 350






DIMENSIONS:	PACKAGE WEIGHT:	INPUT POWER SUPPLY:	MAX. INPUT CURRENT:	GENERATOR CAPACITY:	MIG OUTPUT CURRENT:	MMA O/C VOLTAGE:	MIG DUTY CYCLE:	STANDARDS:	MMA ROD SIZE:	MAX WELD THICKNESS:	MIG WIRE SPOOL SIZE:	MIG WIRE SIZE:
1050 x 44 x 1450mm	90kg	400V AC 50Hz 3 Phase	22A	15KVA	40-350A	67V	60% @350A	EN60974-1:2012	1.6 - 6.0mm	12mm +	D200/D300 5kg/15kg	.6 - 1.6

ADVANCEMIG 500 - WATERCOOLED

DIMENSIONS:	PACKAGE WEIGHT:	INPUT POWER SUPPLY:	MAX. INPUT CURRENT:	GENERATOR CAPACITY:	MIG OUTPUT CURRENT:	MMA O/C VOLTAGE:	MIG DUTY CYCLE:	STANDARDS:	MMA ROD SIZE:	MAX WELD THICKNESS:	MIG WIRE SPOOL SIZE:	MIG WIRE SIZE:
1050 x 44 x 1450mm	110kg	400V AC 50Hz 3 Phase	34A	25KVA	40-500A	67V	60% @500A	EN60974-1:2012	1.6 - 6.0mm	12mm +	D200/D300 5kg/15kg	.8 - 1.6

MULTI-PROCESS MIG WELDING ACCESSORIES & CONSUMABLES

○ Standard ● Optional ☆ Common Consumables

ACCESSORY:	XM205	XM255	EZIMIG 200	ADVANCEMIG 200	ADVANCEMIG 250	ADVANCEMIG 350	ADVANCEMIG 500
Arc Leads 	○ AAL3550	○ AAL3550	○ AAL3550	○ AAL3550	○ AAL3550	○ AAL3550	○ AAL3550
Earth Leads 	○ AEL3550	○ AEL3550	○ AEL3550	○ AEL3550	○ AEL3550	○ AEL3550	○ AEL3550
MIG Torch 	○ MT250-4E	○ MT250-4E	○ MT250-4E	○ MT250-4E	○ MT240-4E	○ MT360-4E	○ MT501-4E
Argon Regulator 	○ GR101AR	○ GR101AR	○ GR101AR	○ GR101AR	○ GR101AR	○ GR101AR	○ GR101AR
Gas Hose 	○ GH08	○ GH08	○ GH08	○ GH08	○ GH08	○ GH08	○ GH08
MIG Starter Kit	● MB25KIT	● MB25KIT	● MB25KIT	● MB25KIT	● MB24KIT	● MB36KIT	-
Drive Roller 'V' Groove 0.6 - 0.8mm	○ 17831 (x 2)	○ 17831 (x 2)	○ 17835 (x 2)	○ 17831 (x 2)	○ 17835 (x 2)	● 17835 (x 2)	● 17835 (x 2)
Drive Roller 'V' Groove 0.9 - 1.0mm	○ 17832(x 2)	○ 17832 (x 2)	○ 17836 (x 2)	○ 17832 (x 2)	○ 17836 (x 2)	○ 17836 (x 2)	○ 17836 (x 2)
Drive Roller 'V' Groove 1.0 - 1.2mm	● WT51DRV (x 2)	● WT51DRV (x 2)	● 17837 (x 2)	● WT51DRV	● 17837 (x 2)	○ 17837 (x 2)	○ 17837 (x 2)
Drive Roller 'U' Groove 0.8 - 1.0mm	● 17834 (x 2)	● 17834 (x 2)	● 17841 (x 2)	● 17834 (x 2)	● 17841 (x 2)	● 17841 (x 2)	● 17841 (x 2)
Drive Roller 'U' Groove 1.0 - 1.2mm	○ WT48DRU (x 2)	○ WT48DRU (x 2)	-	○ WT48DRU (x 2)	-	-	-
Drive Roller 'U' Groove 1.2 - 1.6mm	● WT79DRU (x 2)	● WT79DRU (x 2)	● 17842 (x 2)	● WT79DRU (x 2)	● 17842 (x 2)	● 17842 (x 2)	● 17842 (x 2)
Drive Roller Knurled 0.8 - 0.9mm	○ 17833 (x 2)	○ 17833 (x 2)	○ 17838 (x 2)	○ 17833 (x 2)	○ 17838 (x 2)	● 17838 (x 2)	● 17838 (x 2)
Drive Roller Knurled 1.0 - 1.2mm	-	-	● 17839 (x 2)	-	● 17839 (x 2)	○ 17839 (x 2)	○ 17839 (x 2)
Drive Roller Knurled 1.2 - 1.6mm	● WT77DRK (x 2)	● WT77DRK (x 2)	● 17840 (x 2)	● WT77DRK (x 2)	● 17840 (x 2)	● 17840 (x 2)	● 17840 (x 2)
MIG Tips (MMT) 0.6 - 1.6mm	☆ MMT24 0.6, 0.8, 0.9, 1.0, 1.2, 1.6mm	☆ MMT24 0.6, 0.8, 0.9, 1.0, 1.2, 1.6mm	☆ MMT24 0.6, 0.8, 0.9, 1.0, 1.2, 1.6mm	☆ MMT24 0.6, 0.8, 0.9, 1.0, 1.2, 1.6mm	☆ MMT24 0.6, 0.8, 0.9, 1.0, 1.2, 1.6mm	☆ MMT24 0.6, 0.8, 0.9, 1.0, 1.2, 1.6mm	☆ MMT38 0.8, 0.9, 1.0, 1.2, 1.6mm
MIG Shrouds (MCN) 70 = Conical 71 = Cylindrical	☆ MCN2570 MCN2571	☆ MCN2570 MCN2571	☆ MCN2570 MCN2571	☆ MCN2570 MCN2571	☆ MCN2470 MCN2471	☆ MCN3670 MCN3671	☆ UB5028
Tip Adaptors (MTA) 81 = M6 82 = M8	☆ MTA2581 MTA2582	☆ MTA2581 MTA2582	☆ MTA2581 MTA2582	☆ MTA2581 MTA2582	☆ MTA2481 MTA2482	☆ MTA2481 MTA2482	☆ UB5001

MULTI PROCESS
MIG WELDERS

MULTI-PROCESS MIG WELDING ACCESSORIES & CONSUMABLES

Interconnect Cables

- Suitable for ADVANCEMIG 350/500.

CODE:	DESCRIPTION:
17391	500A Rated 10m Water Cooled Interconnect Cable
17388	350A Rated 10m Air Cooled Interconnect Cable



Water Coolers

- Suitable for ADVANCEMIG and ADVANCETIG machines with a water cooled torch set up (not included)
- Induction motor with safety pressure switch.

CODE:	DESCRIPTION:
17403	230V Water Cooler
17390	400V Water Cooler



Industrial Welding Trolley

- Suitable for ADVANCEMIG 350 / 500 and ADVANCETIG 200 / 320, ADVANCEARC 400 / 500 and water cooling unit.

CODE:	DESCRIPTION:
17386	Industrial Welding Trolley



Compact Welding Trolley

- Suitable for EZIMIG 200, ADVANCEMIG 200 / 250, ADVANCETIG 200AC/DC and ADVANCEARC 400 / 500 and other models
- Capable of holding 'G' size gas bottles.

CODE:	DESCRIPTION:
17384	Compact Welding Trolley



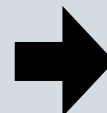
Industrial Storage Unit

- Suitable for industrial welding trolley (#17386) without the use of a water cooling unit.

CODE:	DESCRIPTION:
17387	Industrial Storage Unit



See pages 31 - 39 for
related consumables
and accessories.





MULTI PROCESS TIG WELDING MACHINES



MULTI PROCESS
TIG WELDERS





MULTI-PROCESS TIG WELDERS

• EZITIG 180 •

The EZITIG 180 is a powerful, extremely portable and easy to use TIG & MMA (Stick) unit. Extreme stress tested to 440V from the factory with IP23 moisture and salt spray protection, the EZITIG 180 has protection against the most harshest environments. Featuring the HF Start and 180A DC current, it is ideal for mild and stainless steel work such as wine vats, maintenance roll cages and industrial TIG work.



- IGBT Inverter technology for smooth & stable welding output and increased reliability
- Microprocessor control system for superior & dynamic arc characteristics
- Lightweight & compact design, ideal for portable applications
- Extreme stress tested in production up to 440V for rugged reliability
- Strong environmental protection for protection against moisture, salt spray and corrosion
- Automatic arc force, hot start & anti stick control for greater control and ease of use when MMA welding
- HF TIG arc ignition system for contamination free and easy arc starting
- 2T/4t trigger control
- Digital display meter for accurate setting & feedback of welding output
- High quality & over specified electronic components for durability & reliability
- Quick connect inlet gas fitting for ease of use and changing bottles between machines.

MULTI PROCESS
TIG WELDERS



See pages 26 and 31 - 39 for related consumables and accessories. →

 230V 50HZ SINGLE PHASE	 IGBT INVERTER TECHNOLOGY	 DIRECT CURRENT OUTPUT	 CONSTANT CURRENT	 HF START TIG
 SPIKE/GENERATOR SAFE	 INTELLIGENT PROTECTION SYSTEM	 IP23 CORROSION & SALT SPRAY RESISTANT		

EZITIG 180

DIMENSIONS:	WEIGHT:	INPUT POWER SUPPLY:	MAX. INPUT CURRENT:	GENERATOR CAPACITY:	CURRENT OUTPUT:	MMA O/C VOLTAGE:	DUTY CYCLE:	STANDARDS:	MAX WELD THICKNESS:
410 x 146 x 278mm	5.5kg	230V AC 15A 50Hz	40A	9.8KVA	10-180A	74V	60% @125A	EN60974-1:2012	8mm

MULTI-PROCESS TIG WELDERS











• ADVANCETIG 200 •

The ADVANCETIG 200 DC Multiprocess TIG welder is at the top of it's class. Featuring the latest PFC IGBT technology, DC Pulse TIG and MMA capability, this machine is ready for all ferrous metal jobs such as stainless and mild steel. Adjustable pulse frequency up to 200Hz and high duty cycle make this machine an incredibly versatile machine, easy to set up with great results.



- IGBT Inverter technology for smooth & stable welding output and increased reliability
- Microprocessor control system for superior & dynamic arc characteristics
- Lightweight & compact design, ideal for portable applications
- Damage resistant industrial casing.
- Extreme stress tested in production up to 440V for rugged reliability
- Strong environmental protection for protection against moisture, salt spray and corrosion
- Adjustable arc force, hot start & anti stick control for greater control and ease of use when MMA welding
- Lift TIG and HF Start Modes for versatility when welding around sensitive electronic equipment
- 2T/4t trigger control
- Digital display meter for accurate pre-setting & feedback of welding output
- High quality & over specified electronic components for durability & reliability
- Digital Up/ Down Button Remote Control (optional)
- Wireless Foot Pedal (optional)
- Roller wheel amps control (standard) on torch
- Quick connect inlet gas fitting for ease of use and changing gas bottles.



 230V 50HZ SINGLE PHASE	 IGBT INVERTER TECHNOLOGY	 DIRECT CURRENT OUTPUT	 CONSTANT CURRENT	 POWER FACTOR CORRECTION
 SPIKE/ GENERATOR SAFE	 PULSE WELDING OUTPUT	 IP23 CORROSION & SALT SPRAY RESISTANT	 LIFT TIG	 HF START TIG

ADVANCETIG 200

DIMENSIONS:	WEIGHT:	INPUT POWER SUPPLY:	MAX. INPUT CURRENT:	GENERATOR CAPACITY:	CURRENT OUTPUT:	MMA O/C VOLTAGE:	DUTY CYCLE:	STANDARDS:	MAX WELD THICKNESS:	TIG PULSE FREQUENCY:
465 x 146 x 278mm	9kg	230V AC 15A 50Hz	28.7A	6.9KVA	5 - 200A	66V	60% @180A	EN60974-1:2012	10mm	0.5 - 200Hz



MULTI-PROCESS TIG WELDERS

• ADVANCETIG 200AC/DC •

The ADVANCETIG AC/DC Series are at the top of their class featuring state-of-the-art IGBT technology. Results speak for themselves, achieved with top level features such as adjustable arc force, AC wave and a program saving function. Designed tough to last in rugged NZ workshops and onsite tasks.



- IGBT module inverter technology for smooth & stable output, increased reliability and high duty cycle
- Damage resistant industrial casing with front panel
- Microprocessor control system for superior & dynamic arc characteristics
- Lightweight & compact design ideal for portable applications
- Extreme stress testing to 440v in production for rugged reliability.
- Adjustable arc force, hot start & automatic anti stick control for greater control and ease of use for MMA welding.
- Lift TIG and HF start modes for versatility when welding around sensitive electronic equipment
- Electronic HF TIG arc ignition system for contamination free and easy arc starting with low EMF interference
- 2T/4T trigger control modes
- Dual digital display meters for accurate pre setting and feedback of welding parameters & output.
- High quality & over specified electronic components for durability & reliability
- Digital up/ down button remote control and wireless foot pedal (optional)
- Quick connect inlet gas fitting for ease of use and changing of gas bottles
- Active PFC Technology and increased duty cycle and energy efficiency.

MULTI PROCESS TIG WELDERS


UPGRADE
 to include:
COMPACT TROLLEY
 (#17384)


 See pages 26 and 31 - 39
 for related consumables
 and accessories.

 230V 50HZ SINGLE PHASE (ADVTIG200)	 IGBT INVERTER TECHNOLOGY	 ALTERNATING /DIRECT CURRENT	 CONSTANT CURRENT	 POWER FACTOR CORRECTION
 SPIKE/ GENERATOR SAFE	 PULSE WELDING OUTPUT	 IP23 CORROSION & SALT SPRAY RESISTANT	 LIFT TIG	 HF START TIG

ADVANCETIG 200AC/DC

DIMENSIONS:	WEIGHT:	INPUT POWER SUPPLY:	MAX. INPUT CURRENT:	GENERATOR CAPACITY:	CURRENT OUTPUT:	AC FREQ ADJ:	DUTY CYCLE MMA+DC TIG /AC TIG	TIG PULSE FREQUENCY:	AC TIG WAVEFORM	STANDARDS:	MAX WELD THICKNESS:
492 x 189 x 350mm	15kg	230V AC 15A 50Hz	30A	7.3KVA	5 - 200A	50-250Hz	60% @140A 60% @155A	0.5-900Hz	Square, Sine Triangular	EN60974-1:2012	10mm

MULTI-PROCESS TIG WELDERS

• ADVANCETIG 320AC/DC •

The ADVANCETIG Series are at the top of their class featuring state-of-the-art IGBT technology. Results speak for themselves, achieved with top level features such as adjustable arc force, AC wave and a program saving function. Designed tough to last in rugged NZ workshops and onsite tasks.



- IGBT module inverter technology for smooth & stable output, increased reliability and high duty cycle
- Phase loss protection for automatic shut down if power supply phase loss occurs, to prevent damage
- Integrated heavy duty industrial trolley and water cooler (optional)
- Damage resistant industrial casing with front panel
- Microprocessor control system for superior & dynamic arc characteristics
- Lightweight & compact design ideal for portable applications
- Extreme stress testing to 550V in production for rugged reliability
- Adjustable arc force, hot start & automatic anti stick control for greater control and ease of use for MMA welding
- Lift TIG and HF start modes for versatility when welding around sensitive electronic equipment
- Electronic HF TIG arc ignition system for contamination free and easy arc starting with low EMF interference
- 2T/4T trigger control modes
- Dual digital display meters for accurate pre setting and feedback of welding parameters & output.
- High quality & over specified electronic components for durability & reliability
- Digital up/ down button remote control and wireless foot pedal (optional)
- Quick connect inlet gas fitting for ease of use and changing of gas bottles.



RECOMMENDED PACKAGE
includes:
**WATER COOLER, TORCH
+ INDUSTRIAL TROLLEY**
(#17819)

**POWER SOURCE
& TORCH
ONLY**
(#17398)



See pages 26 and 31 - 39
for related consumables
and accessories.



400V 50HZ
THREE PHASE



IGBT
INVERTER
TECHNOLOGY



ALTERNATING
/DIRECT
CURRENT



CONSTANT
CURRENT



HF START
TIG



SPIKE/
GENERATOR
SAFE



PULSE
WELDING
OUTPUT



IP23 CORROSION
& SALT SPRAY
RESISTANT



LIFT TIG



WATER COOLER

ADVANCETIG 320AC/DC

DIMENSIONS:	WEIGHT:	INPUT POWER SUPPLY:	MAX. INPUT CURRENT:	GENERATOR CAPACITY:	CURRENT OUTPUT:	AC FREQ ADJ:	DUTY CYCLE MMA+DC TIG / AC TIG	TIG PULSE FREQUENCY:	AC TIG WAVEFORM	STANDARDS:	MAX WELD THICKNESS:
550 x 240 x 445mm	25kg	400V AC 50Hz	25A	17.3KVA	10 - 320A	50-250Hz	60% @ 320A	0.5-900Hz	Square, Sine Triangular	EN60974-1:2012	12mm +

MULTI-PROCESS TIG WELDING ACCESSORIES & CONSUMABLES

Standard Collets



CODE:	DESCRIPTION:
TCB10N23	1.6mm Standard Collet
TCB10N24	2.4mm Standard Collet
TCB10N25	3.2mm Standard Collet

Standard Collet Bodies



TCB10N31	1.6mm Standard Collet Body
TCB10N32	2.4mm Standard Collet Body
TCB10N28	3.2mm Standard Collet Body

Standard Ceramic Cups



TCC1046	1/2" Standard Ceramic Cup
TCC10N47	7/16" Standard Ceramic Cup
TCC10N48	3/8" Standard Ceramic Cup

Mild Steel TIG Rods



- ER70S-6 Grade

CODE:	DESCRIPTION:
TR16MS-70S-6	1.6mm x 1m Mild Steel TIG Rods
TR24MS-70S-6	2.4mm x 1m Mild Steel TIG Rods
TR32MS-70S-6	3.2mm x 1m Mild Steel TIG Rods

Aluminium TIG Rods



- 5356 Grade

TR16AL-5356	1.6mm x 1m Aluminium TIG Rods
TR24AL-5356	2.4mm x 1m Aluminium TIG Rods
TR32AL-5356	3.2mm x 1m Aluminium TIG Rods

Stainless Steel TIG Rods



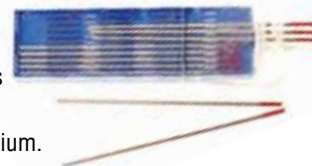
- 316 Grade

TR16SS-316	1.6mm x 1m Stainless Steel TIG Rods
TR24SS-316	2.4mm x 1m Stainless Steel TIG Rods
TR32SS-316	3.2mm x 1m Stainless Steel TIG Rods

○ Standard ● Optional

ACCESSORY:	EZITIG 180	ADVANCETIG 200	ADVANCETIG 200AC/DC	ADVANCETIG 320AC/DC
Arc Leads	○ AAL3550	○ AAL3550	○ AAL3550	○ 17849
Earth Leads	○ AEL3550	○ AEL3550	○ AEL3550	○ 17848
TIG Torch	○ 17370	○ 17371	○ 17371	○ 17372
TIG Starter Kit	● DCKIT	● DCKIT	● ACDCKIT	● ACDCKIT
Foot Pedal (Electric)	-	● 17401	● 17401	● 17401
Foot Pedal (Wireless)	-	● 17399	● 17399	● 17399

Tungsten Electrodes



- Thoriated for use on stainless and mild steel
- Zirconiated for use on aluminium.

CODE:	DESCRIPTION:
TT16-150	1.6mm x 150mm Thoriated Tungsten Electrodes
TT24-150	2.4mm x 150mm Thoriated Tungsten Electrodes
TT32-150	3.2mm x 150mm Thoriated Tungsten Electrodes
TZ16-150	1.6mm x 150mm Zirconiated Tungsten Electrodes
TZ24-150	2.4mm x 150mm Zirconiated Tungsten Electrodes
TZ32-150	3.2mm x 150mm Zirconiated Tungsten Electrodes

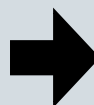
MMA Welding Electrodes



CODE:	DESCRIPTION:
ETCPH48 25/32/40/50	OVERCORD R92 General Purpose Electrodes
ETCPH68 25/32/40/50	OVERCORD General Purpose Electrodes
ETCPH45 25/32/40/50	SUPERCORD 45 General Purpose Electrodes
ETCPH56S 25/32/40/50	TENAX 56S Low Hydrogen Electrodes
ETCPH77 25/32/40/50	SUPERCITO Low Hydrogen Electrodes



See pages 31 - 39
for related consumables
and accessories.





PLASMA CUTTING MACHINES



PLASMA
CUTTERS

PLASMA CUTTERS

• EZICUT 40 •

Professional 40A Plasma Cutter with the latest IGBT technology. Paired with an advanced technology pilot arc plasma torch means you can clean cut steel in excess of 18mm thick! Designed for the light industrial user, automotive workshop or serious home handyman.



EZICUT 40

- IGBT inverter technology for smooth & stable output and increased reliability
- Microprocessor control system for superior & dynamic arc characteristics
- External air regulator with water trap/ filter for easy adjustment & servicing
- Euro connect torch system for safe & robust connection to machine
- Advanced strata plasma torch with european torch head for superior cutting performance and consumable life
- Non HF arc starting system for increased reliability and low EMF pollution
- Automatic pilot arc control system for increased cutting capability, especially for discontinuous cutting
- Lightweight & compact design, ideal for portable applications
- Strong environmental protection (IP23) against moisture, salt spray and corrosion
- High quality & over specified electronic components for durability & reliability
- Intelligent protection system protects plasma torch from damage from incorrect air pressure, consumables not in place, excessive pilot arc use
- Air flow manual activation switch to set and test air pressure without the need to trigger the torch.



DIMENSIONS:	WEIGHT:	INPUT POWER SUPPLY:	MAX. INPUT CURRENT:	GENERATOR CAPACITY:	CURRENT OUTPUT:	DUTY CYCLE:	CUT CAPACITY:	SEVERANCE CAPACITY:	COMPRESSED AIR REQ.	STANDARDS:
460 x 146 x 278mm	6.2kg	230V AC 15A 50Hz	30A	7KVA	20-40A	100% @ 30A	Steel 20mm Alum. 16mm	Steel 25mm	110L/min 5bar	EN60974-1:2012

PLASMA CUTTERS

• ADVANCECUT 40 •

The ultimate single phase plasma cutter clean cuts over 20mm steel thanks to PFC technology. Powerful compact package with adjustable post gas industrial pilot arc torch and digital display for the most serious industrial user. Guaranteed to perform in the harshest conditions.



EZICUT 40

- IGBT inverter technology for smooth & stable output and increased reliability
- Active PFC technology for increased duty cycle and energy efficiency
- Multi voltage input, can even be used with long extension lead reliably.
- Protected external air regulator with water trap/ filter for easy adjustment & servicing
- Euro connect torch system for safe & robust connection to machine
- Advanced strata plasma torch with european torch head for superior cutting performance and consumable life
- Non HF arc starting system for increased reliability and low EMF interference
- Auto pilot arc control system for increased cutting capability
- Lightweight & compact design ideal for portable applications
- High quality & over specified electronic components for durability & reliability
- Intelligent protection system protects plasma torch from damage from incorrect air pressure, consumables not in place, excessive pilot arc use.
- Air flow manual activation switch to set & test air pressure without the need to trigger the torch.



DIMENSIONS:	WEIGHT:	INPUT POWER SUPPLY:	MAX. INPUT CURRENT:	GENERATOR CAPACITY:	CURRENT OUTPUT:	DUTY CYCLE:	CUT CAPACITY:	SEVERANCE CAPACITY:	COMPRESSED AIR REQ.	STANDARDS:
480 x 146 x 278mm	7kg	230V AC 15A 50Hz	21A	5KVA	20-40A	100% @ 30A	Steel 20mm Alum. 16mm	Steel 25mm	110L/min 5bar	EN60974-1:2012

PLASMA CUTTERS

• ADVANCECUT 65 •

The powerful 3 phase Plasma Cutter in a tough compact package. With IGBT technology and the capability of severing up to 35mm carbon steel with CNC interface capability, look no further than the ADVANCECUT 65 for serious industrial cutting solutions.

- IGBT module inverter technology for smooth, stable output, increased reliability
- Microprocessor control system for superior & dynamic arc characteristics
- CNC interface connection
- Protected external air regulator with water trap/ filter for easy adjustment & servicing
- Euro connect torch system with safe & robust connection to machine
- Advanced strata plasma torch with european torch head for superior cutting performance and consumable life
- Non HF arc starting system for increased reliability and low EMF pollution
- Automatic pilot arc control system for increased cutting capability, especially for discontinuous cutting
- Extreme stress tested to 550v in production for rugged reliability.
- Strong environmental protection against moisture, salt spray and corrosion
- High quality & over specified electronic components for durability & reliability
- Intelligent protection system protects plasma torch from damage
- Air flow manual activation switch to set & test air pressure.



ADVANCECUT 65

DIMENSIONS:	WEIGHT:	INPUT POWER SUPPLY:	MAX. INPUT CURRENT:	GENERATOR CAPACITY:	CURRENT OUTPUT:	DUTY CYCLE:	CUT CAPACITY:	SEVERANCE CAPACITY:	COMPRESSED AIR REQ.	STANDARDS:
640 x 240 x 445mm	24kg	400V AC 20A 50Hz 3 Ph	18A	12.3KVA	20-65A	100% @ 61A	Steel 25mm Alum.20mm	Steel 35mm	110L/min 5bar	EN60974-1:2012

PLASMA CUTTERS

• SUPERCUT 120D •

With digital control this Plasma offers the professional even, precise and quicker results. The PWM (pulse width modulation) and closed-loop control system give even flow creating more consistent power and greater precision while cutting.

- Cuts up to 40mm steel
- Three phase industrial rating
- Heavy duty HF ARC starting for cutting oxidised and painted metals
- Purge feature ensures no false starts
- LED display and adjustable post gas ensure long consumable life
- 2T / 4T operation
- Powerful electric network filtering reduces power supply pollution preventing interference with other sensitive electronic devices
- Suitable for CNC cutting tables (HF compatible only)




SUPERCUT 120D

DIMENSIONS:	WEIGHT:	INPUT POWER SUPPLY:	MAX. INPUT CURRENT:	GENERATOR CAPACITY:	CURRENT OUTPUT:	DUTY CYCLE:	CUT CAPACITY:	SEVERANCE CAPACITY:	COMPRESSED AIR REQ.	STANDARDS:
650 x 330 x 620mm	40kg	400V AC 50Hz 3 Phase	43.3A	30KVA	30 - 120A	60% @ 120	Steel 35mm Alum.25mm	Steel 40mm	110L/min 5bar	EN60974-1:2012

PLASMA CUTTING ACCESSORIES & CONSUMABLES

Plasma Cutter Accessories:

Standard Optional

ACCESSORY:	EZICUT 40	ADVANCECUT 40	ADVANCECUT 65	SUPERCUT 1200
Earth Leads 	<input type="radio"/> AEL3550	<input type="radio"/> AEL3550	<input type="radio"/> 17848	<input type="radio"/> 17848
Plasma Torch	<input type="radio"/> 17773 (XT4000)	<input type="radio"/> 17773 (XT4000)	<input type="radio"/> 17773 (XT4000)	<input type="radio"/> CBR150R-60-42
Machine Torch	-	<input checked="" type="radio"/> POA	<input checked="" type="radio"/> POA	<input checked="" type="radio"/> POA

XT4000 Plasma Cutting Torch Consumables:

Electrodes

CODE:	DESCRIPTION:
XT4003	Standard Electrode (XT4000)
XT4003-L	Extended Electrode (XT4000)

Cutting Tips

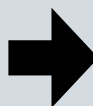
XT4005-08	0.8mm Cutting Tip, 20 - 30A (XT4000)
XT4005-09	0.9mm Cutting Tip, 30 - 40A (XT4000)
XT4005-08L	0.8mm Extended Cutting Tip, 20 - 30A (XT4000)
XT4005-09L	0.9mm Extended Cutting Tip, 30 - 40A (XT4000)
XT4005-10F	1.0mm Flat Cutting Tip, 40 - 50A (XT4000)

Other

XT4006	Gas Distributor (Swirl Ring) (XT4000)
XT4007	Retaining Cap (XT4000)
XT4008	Double Pointed Spacer (XT4000)



See pages 31 - 39
for related consumables
and accessories.





PREMIUM WELDING ACCESSORIES & CONSUMABLES



ACCESSORIES
& CONSUMABLES

WELDING ACCESSORIES & CONSUMABLES

MMA (Stick) Welding Lead Set

Includes:

- Earth clamp and 3m cable, 16mm²
- Electrode holder and 4m cable, 16mm²

CODE:	DESCRIPTION:
ALS1625	Lead Set 16 - 25mm ³ - 200A (Sml Dinse Connector)
ALS3550	Lead Set 35 - 50mm ³ - 400A (Lge Dinse Connector)
ALS3550-HD	Lead Set 35 - 50mm ³ - 5m long, 5mm ² Cable



Gouging Torches

- K4000 Gouging Torch • 1000A

CODE:	DESCRIPTION:
GTK4000	1000A Gouging Torch
K4000-1	Insulators (Pair)
K4000-7	Valve Guide
K4000-8	Valve & O-Rings
K4000-12	Copper Tip & Screw



Gouging Carbons

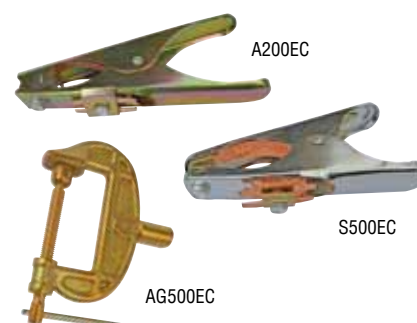
- Gouging carbons for K4000 torch

CODE:	DESCRIPTION:
GO48DC	4.8mm Gouging Carbons
GO63DC	6.3mm Gouging Carbons
GO80DC	8.0mm Gouging Carbons
GO95DC	9.5mm Gouging Carbons



Earth Clamps

CODE:	DESCRIPTION:
A200EC	200A Earth Clamp
S500EC	400A Earth Clamp
AG500EC	500A Earth Clamp - G Style



Electrode Holders

CODE:	DESCRIPTION:
A200EH	200A Croc. Electrode Holder
S400EH	400A Screw Type Electrode Holder
S600EH	600A Screw Type Electrode Holder



WELDING ACCESSORIES & CONSUMABLES

Chipping Hammer

- Heavy duty chipping hammer for the trade

CODE:	DESCRIPTION:
SPCH	Spring Handle Chipping Hammer



Welding Magnets

CODE:	DESCRIPTION:
WMG03	3" Welding Magnet
WMG05	5" Welding Magnet



Welding Cable (per metre)

CODE:	DESCRIPTION:
WC16	16mm ³ Welding Cable
WC25	25mm ³ Welding Cable
WC35	35mm ³ Welding Cable
WC50	50mm ³ Welding Cable
WC75	70mm ³ Welding Cable



Cable Plugs / Sockets

CODE:	DESCRIPTION:
CP1625	16 - 25mm ³ Cable Plug
CS1625	16 - 25mm ³ Cable Socket
PS1625	16 - 25mm ³ Panel Socket
CP3550	35 - 50mm ³ Cable Plug
CS3550	35 - 50mm ³ Cable Socket
PS3550	35 - 50mm ³ Panel Socket



Cable Joiners

CODE:	DESCRIPTION:
CC300	250A Cable Joiner
CC500	500A Cable Joiner



CODE:	DESCRIPTION:
CL16	16mm Cable Lug
CL25	25mm Cable Lug
CL35	35mm Cable Lug
CL50	50mm Cable Lug
CL70	70mm Cable Lug



WELDING ACCESSORIES & CONSUMABLES

Welding Blankets

- Provides protection against welding sparks and spatter

CODE:	DESCRIPTION:
PWB2020	2m x 2m Leather Welding Blanket



Cable Covers

- Protects cables from heat and spatter
- Quick and easy to fit
- Durable premium blue leather

CODE:	DESCRIPTION:
PCC10125	1m x 125mm (32mm Ø)
PCC10200	1m x 200mm (50mm Ø)



Flip Front Welding Helmet

CODE:	DESCRIPTION:
AFF1000	Flip Front Helmet (MIG/ARC/Plasma)



Automatic Welding Helmets

- Variable Shade, 9 - 13
- Suitable for automotive DIY and industrial use
- Complete with batteries ready to go

CODE:	DESCRIPTION:
DW1500	Auto Welding Helmet, Fixed Shade (MIG/MMA/Plasma)
DW2500	Auto Welding Helmet, Shade 9 - 13 (MIG/MMA/Plasma)
DW3000	Auto Welding Helmet, Shade 9 - 13 + Grind Function (MIG/TIG/MMA/Plasma)
DW4000	Auto Welding Helmet, Shade 9 - 13 + Flip Front (MIG/TIG/MMA/Plasma)
DW7000	Auto Welding Helmet, Shade 9 - 13 + PAPR Air Respirator (MIG/TIG/MMA/Plasma)



DW7000 comes with battery powered air respirator.



DW1500



DW2500



DW3000



DW4000



Leather Cap

- Welders cap with nape • Made from durable quality leather

CODE:	DESCRIPTION:
SCN12	Leather cap with nape



WELDING ACCESSORIES & CONSUMABLES

Black/Gold Welders Gloves

- Fully lined • One piece back • Special "comfort fit" design

CODE:	DESCRIPTION:
AWG01	Black/Gold Gloves - Pair



Red/Black Premium Welders Gloves

- Fully lined • Premium quality leather • Reinforced palm
- Special "comfort fit" design

CODE:	DESCRIPTION:
AWG02	Red/Black Gloves - Pair



Blue/Gold Super Premium Welders Gloves

- Fully lined • #1 Grade quality leather • Reinforced palm
- Kevlar stitching • Special "comfort fit" design

CODE:	DESCRIPTION:
AWG02	Red/Black Gloves - Pair



TIG Welders Gloves

- Specially designed for TIG welding • Fine, hardwearing quality leather

CODE:	DESCRIPTION:
TWG20	TIG Welding Gloves - Pair



Riggers Gloves

- Leather riggers gloves • Very durable quality leather • Available in M, L & XL sizes

CODE:	DESCRIPTION:
RWG20	TIG Riggers Gloves - Pair



Extension Cord

- 28A rated cable / 100% duty cycle
- Suitable for any equipment on 15A plug

CODE:	DESCRIPTION:
16895	15A Extension Cord, 10m (28A rated)



WELDING ACCESSORIES & CONSUMABLES

Mild Steel MIG Wire - ER70S-6

- Copper coated MIG wire for general purpose welding of mild steel using CO² or argon based shielding gases.

CODE:	DESCRIPTION:
MWMS06	Mini Spool, 0.8kg - 0.6mm MIG wire (D100)
MWMS08	Mini Spool, 0.8kg - 0.8mm MIG wire (D100)
MW5KG06	5kg Spool - 0.6mm MIG wire (D200)
MW5KG08	5kg Spool - 0.8mm MIG wire (D200)
MW5KG09	5kg Spool - 0.9mm MIG wire (D200)
MW15KG08	15kg Spool - 0.8mm MIG wire (D300)
MW15KG09	15kg Spool - 0.9mm MIG wire (D300)
MW15KG10	15kg Spool - 1.0mm MIG wire (D300)
MW15KG12	15kg Spool - 1.2mm MIG wire (D300)



Gasless Flux-Cored MIG Wire - 712 - GS

- All purpose self shielding gasless MIG wire for mild steel welding.
- Suited to welding galvanised and zinc coated steels.

CODE:	DESCRIPTION:
MWMS08FC	Mini Spool, 0.45kg - 0.8mm Fluxcored (D100)
MWMS09FC	Mini Spool, 0.45kg - 0.9mm Fluxcored (D100)
MWMS08FC-1KG	1kg Spool - 0.8mm Fluxcored (D100)
MWMS09FC-1KG	1kg Spool - 0.9mm Fluxcored (D100)
MW5KG08FC	4.5kg Spool - 0.8mm Fluxcored (D200)
MW5KG09FC	4.5kg Spool - 0.9mm Fluxcored (D200)
MW5KG012FC	4.5kg Spool - 1.2mm Fluxcored (D200)



Stainless Steel MIG Wire - 316 Grade

- For use on 316 parent material, as well as 304, 304L and other 300 and 400 series stainless steel.
- Molybdenum content increases resistance to corrosion pitting.

CODE:	DESCRIPTION:
MWMS06SS	1kg Mini Spool - 0.6mm S/S wire (D100)
MWMS08SS	1kg Mini Spool - 0.8mm S/S wire (D100)
MWMS09SS	1kg Mini Spool - 0.9mm S/S wire (D100)
MW5KG06SS	4.5kg Spool - 0.6mm S/S wire (D200)
MW5KG08SS	4.5kg Spool - 0.8mm S/S wire (D200)
MW5KG09SS	4.5kg Spool - 0.9mm S/S wire (D200)



WELDING ACCESSORIES & CONSUMABLES

Aluminium MIG Wire - 5356 Grade

- High strength alloy, containing 5% magnesium, requires higher heat
- Ideal for transport, marine and anodising.

CODE:	DESCRIPTION:
MWMS08AL	0.5kg Mini Spool - 0.8mm Alum Wire (D100)
MWMS09AL	0.5kg Mini Spool - 0.9mm Alum Wire (D100)
MWMS10AL	0.5kg Mini Spool - 1.0mm Alum Wire (D100)
MWMS12AL	0.5kg Mini Spool - 1.2mm Alum Wire (D100)
MW2KG08AL	2.2kg Spool - 0.8mm Alum Wire (D200)
MW2KG10AL	2.2kg Spool - 1.0mm Alum Wire (D200)
MW2KG12AL	2.2kg Mini Spool - 1.2mm Alum Wire (D200)
16721	Mini Spool Adapter (D200/D100)



Silicon Bronze MIG Wire

- 4% Silicon for welding copper, brass, copper/silicon and steel
- Ideal for joining with good corrosion and crack resistance, especially on galvanised surfaces.

CODE:	DESCRIPTION:
MWMS06SB	1lb Mini Spool - 0.6mm (D100)
MWMS08SB	2lb Mini Spool - 0.8mm (D100)
MWMS09SB	2lb Mini Spool - 0.9mm (D100)
MW11LB06SB	11lb Spool - 0.6mm (D100)
MW11LB08SB	11lb Spool - 0.8mm (D100)



MIG Regulators

CODE:	DESCRIPTION:
GR101C02	CO ² Twin Gauge Regulator
GR101AR	Argon Twin Gauge Regulator
GR101ARFL	Argon Gauge Regulator c/w Flow Meter



GR101AR



GR101ARFL

WELDING ACCESSORIES & CONSUMABLES

MIG Regulators

CODE:	DESCRIPTION:
GR101AR-2FL	Argon Twin Flow Meter Regulator
GR109	Flow Meter
GR119	Pre-heated CO ₂ Regulator - 220V, 150W
WTGR120	Pre-heated CO ₂ Regulator - 36V version



GR101AR-2FL



GR109



GR119 & WTGR120

Adaptors

- For modifying CO₂ regulator to Argon Cylinder

CODE:	DESCRIPTION:
GADAR	Argon Adaptor



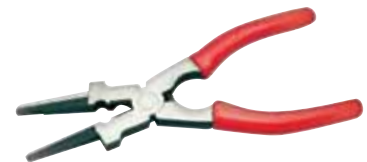
- For modifying Argon regulator to CO₂ Cylinder.

GADC02	CO ₂ Adaptor
--------	-------------------------



MIG Welding Pliers

CODE:	DESCRIPTION:
AWPL2	MIG Welding Pliers - Multifunction





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