



AMIG500PM

ADVANCED PROCESS INVERTER (380V)

Product Code: See page 2

The AMIG 500 PM a fully digital pulse mig system designed for the most demanding welding applications. It provides exceptional arc and weld puddle control, ensuring optimum processes efficiency and exceptional weld quality.



FULL-DIGITAL CONTROL, EXCELLENT WELDING PERFORMANCE

- MINIMAL SPATTER GENERATION AND EXCELLENT BEAD APPEARANCE
- EMBEDDED WELDING DATABASE, WHICH PROVIDES INTELLIGENT WELDING PARAMETERS WIDELY USED FOR SELECTION OF VARIOUS WELDING MATERIALS AND PLATE THICKNESSES
- CAN BE USED FOR BOTH AUTOMATED OR MANUAL APPLICATIONS
- 100 PROGRAMMABLE MEMORY SLOTS

OUTPUT RANGE

25 - 500 Amps

DIMENSIONS L X W X H

655 x 324 x 546 mm

DRY WEIGHT

53kg

APPLICATIONS

- Automotive
- Fabrication
- Ship-building
- Solar
- Petrochemical

MATERIALS

Carbon Steel / Stainless Steel / Aluminium / Nickel Alloys

STANDARD EQUIPMENT

- 1 Power source
- 1 Connected primary cable L=3m
- 1 Welding cable L=3m
- 1 Ground cable L=3m
- 1 Wire feeder with Europe connection

SPECIFICATIONS

AMIG 500 PM	
RATED INPUT VOLTAGE /FREQUENCY (HZ)	3 PHASE , 380V±10%, 50 /60HZ
RATED INPUT CAPACITY (KVA)	23.4
RATED INPUT CURRENT (A)	36.1
DUTY CYCLE (40 °C)	60%@500A
OCV (V)	AROUND 106
OUTPUT CURRENT RANGE (A)	25-500
OUTPUT CURRENT RANGE (V)	14-50
TRIGGER MODE	2/4T, SPOT, REPEAT
WIRE SIZE (MM)	0.8, 1.0, 1.2, 1.6
DOUBLE PULSE FREQUENCY (HZ)	0.5-5
JOB CHANNELS	100
PROTECTION CLASS	IP23
DIMENSION (MM)	655 X 324 X 546
WEIGHT (KG /LB)	53/116.3



Output **DC/
DC PULSE**

Input **3 PHASE POWER** 50 HZ/60 HZ
380V±10%



ISO 9001

WHAT'S INCLUDED

AMIG 500 PM PULSE - Ready to weld Steel/Stainless 380v

Product Code: 00042730

Code	Qty.	Description
26500	1	AMIG500PM PULSE 500AMP 380V (INCLUDES WIREFEEDER,TROLLEY, 3 M INTERCON KIT)
21646	1	EARTH CLAMP 500AMP G TYPE UNI WEC-G500A
24176	1	FLOWMETER CP 351
26655	1	XP8 450A W/C WELDING GUN X 4M (EURO) PAR XP450W-40E

AMIG500PM PULSE Ready to Weld Aluminium 380v

Product Code: 00039259

Code	Qty.	Description
26500	1	AMIG500PM PULSE 500AMP 380V (INCLUDES WIREFEEDER,TROLLEY, 3 M INTERCON KIT)
21646	1	EARTH CLAMP 500AMP G TYPE UNI WEC-G500A
36891	1	PYTHON 25FT WATER COOLED TORCH
36019	1	AMPHENOL PLUG TO FIT SOCKET ON AMIG500PM WIRE FEEDER (MK TORCH)
24176	1	FLOWMETER CP 351
39263	1	DROMEX UNIARC SKULL CAP
40692	1	UNIARC PRO WELDING JACKET FA - X LARGE (DB-WELD-JXL)
41826	1	NECK PROTECTION TECMEN NP003
41827	1	HP011-B EXTENDED HEAD PROTECTION TECMEN HELMETS
36945	1	ADF815S TM16 BLACK AND WHITE TM16-ADF815S BW



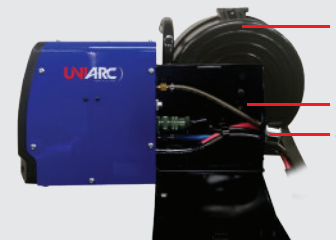
KEY CONTROL AND FEATURES



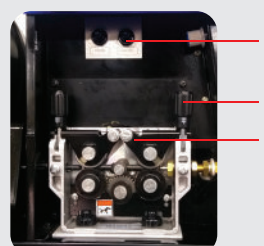
1. Quick connect for watercooled torch
2. Pushpull gun connector
3. Remote connector
4. Eurogun connector
5. Robust handles for easy moving
6. Tig remote socket
7. Dinse style connector
8. IP23 enclosure rating
9. Powerful intergrated cooler, no flow will result in machine being shut down to protect the torch. Always check water levels.
10. Four lifting points for safe lifting
11. Raised trolley to protect machine against moisture and rust
12. Lockable wheels to secure machine in place



1. Easy carry handle
2. Enclosed cable compartment
3. Strain relieve on cable



1. Plastic wire enclosure against dust and debris
2. Easy access to cable fittings
3. Strain relieve on harness to reduce wear on connectors when moving wirefeeder to and from the job.



1. Gas purge and cold wirefeed
 2. Wirefeed tensioner
 3. 4 Roll drive system
- Drive Rolls available for various materials.
- U grooved for aluminium
 - V grooved for solid wires
 - V knurled for fluxcored wires

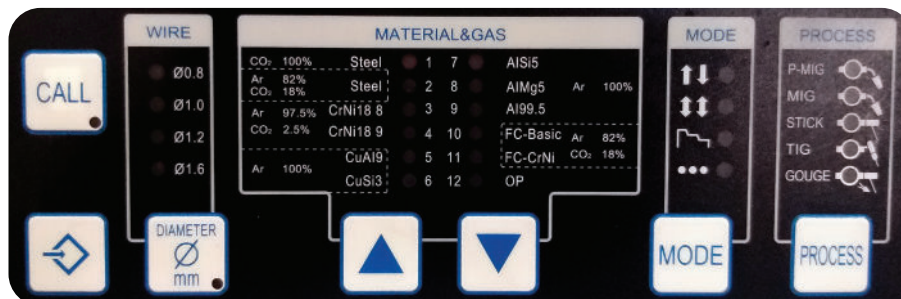
KEY CONTROL AND FEATURES



Step 1. Select your application with Once off setup
Step 2. Adjust the welding parameter that you want
 The machine will set the rest... **as simple as that!**

Once off Setup

Choose material and gas, ie. Aluminium and 100% Argon, process ie. Pulse mig, what diameter of wire, ie. 1.2mm and mode, ie. 2-step for short welds or 4-step for continuous welds



Now only use this panel if you want to save or recall previously saved settings

ADJUST WELDING PARAMETER FROM EITHER WIRE FEEDER OR POWER SOURCE

Set only one indicator ie. Sheet thickness or Amps or wirespeed or voltage... **Machine sets the rest!**



OR

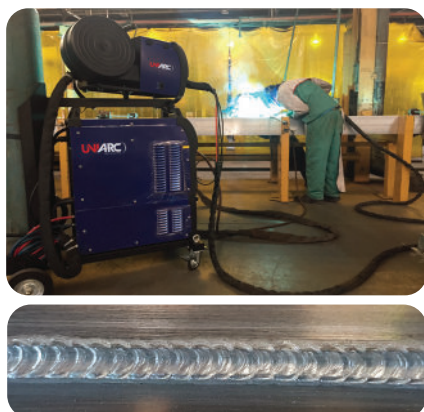


Digital displayer

- "a" dimension indicator
- Sheet thickness indicator
- Welding current indicator
- Wire feeding speed indicator
- Peak current/inductance indicator
- Temperature indicator
- Arc-length correction parameter
- Welding voltage indicator
- Welding speed indicator
- JOB JOB No.

Peak current/inductance and Arc-length indicators allow for fine-tuning of setting according to welder preference.

ALUMINIUM GMAW WELDING - CV, PULSE, DOUBLE PULSE



PYTHON PUSH-PULL TORCH



7.6 Meters

- No more birdnesting of wire with this robust yet ergonomic push-pull system.
- Aircooled or watercooled options available.
- Just plug into wire feeder and you're ready to weld.
- Adjust welding current directly from your torch. Great for welding away from your power source!

INTELLIGENT REMOTE



Intelligent remote up to 8 meters
 Great for setting welding parameter inside vessels or on top of structures with limited visibility of the powerpack

***Optional**

ADDITIONAL ITEMS

MIG TORCH

Code	Model	Description
00026402	XP8-350	Mig Torch 350A 4m



PYTHON TORCH

Code	Model	Description
		Watercooled or Aircooled (7.6 meters)



TIG TORCH

Code	Model	Description
00041699	WP26V	8m with Trigger



WATERCOOLED

Code	Model	Description
00026655	XP8-450	Mig Torch 450A Watercooled 4m



WATERCOOLED

Code	Model	Description
00041700	WP18V	Tig Torch UNIARC Progrip 18v 8m with Trigger



REMOTE CONTROL

Code	Model	Description
		Intelligent Remote, 8 Meters



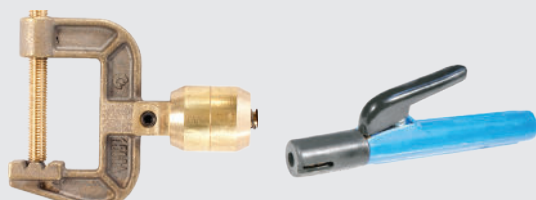
GOUGING TORCH

Code	Model	Description
00019231	K4000	Gouging Torch



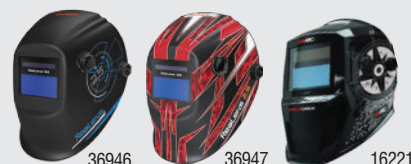
ELECTRODE HOLDER

Description
Earthclamp and cables - Please specify length and amperage required



WELDING HELMET

Code	Model	Description
36944	ADF815S	TM16 BLUE TM16-ADF815S B
36945	ADF815S	TM16 BLACK AND WHITE TM16-ADF815S BW
36946	ADF725S	M17 GLOSS BLACK TM17-ADF725S B
36947	ADF725S	TM17 RED TM17-ADF725S R
40961	TM1000	TM1000 BLACK FLIP FRONT AUTO DARKENIG HELMET
16221	WC715	UNIARC WELDCREW AUTO DARKENIG HELMET
41826		NECK PROTECTION TECMEN NP003
41827		HP011-B EXTENDED HEAD PROTECTION TECMEN HELMETS



UNIARC PRO WELDING JACKET

Size Breakdown
40689 SMALL
40690 MEDIUM
40691 LARGE
40692 EXTRA LARGE
40693 2XL
40694 3XL



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