

PULSEMIG 500 G

WELDING MACHINE MIG-MAG PULSED • 10 → 500 A

Ref. 062672



Digital technology, the PULSEMIG 500 G is a pulsed MIG/MAG welding power source with a separate wire feeder. Ultra high performance and designed for the highest performance level using the latest technology, it features +100 synergic curves and exceptional arc quality/performances. Intuitive and highly functional, its digital interface allows you to change welding parameters with ease. Equipped with its PULSFEED-4W reel (optional), this welding power source provides productivity and quality of unmatched welding on all types of alloys.

MULTI-PROCESS WELDING

- **MIG/MAG :**
 - steel and stainless steel wire: Ø 0.6 to 1.6 mm
 - aluminium wire: Ø 0.8 to 1.6 mm
 - CuSi and CuAl wire: Ø 0.8 to 1.2 mm
- **MMA DC / Pulse :** basic, rutile and cellulosic electrodes (up to Ø 6 mm)
- **Tig DC lift / Pulse.**

SMART

- **SYNERGIC mode :** Select the material/gas type and wire diameter, now the PULSEMIG automatically determines the optimal welding conditions and allows you to adjust the settings (wire feed speed, voltage, current, arc length).



ACCURATE

- **Calibration** of welding accessories, to adjust the displayed voltage measurement and the energy calculation.
- **Energy**, display and energy calculation after welding according to EN1011-1, ISO / TR 18491 and QW-409.
- **Portability** : load / save as, JOBS from a USB key as well as the machine configuration.
- **Traceability** : trace / record all welding steps, weld by weld, during industrial manufacturing according to EN ISO 3834.

Supplied without accessories

OPTIMISED MIG/MAG SETTINGS

- **Welding processes** : Manual, Dynamic STD, Pulsed, Modul Arc (variation of hot / cold current)
- **TACK modes** : SPOT and DELAY.
- **Trigger management** : 2T and 4T.
- **Precise control over the welding cycle** : CreepSpeed, Softstart, Hotstart, Upslope, Downslope, Crater Filler, Postgas, etc.

MAXIMUM PRODUCTIVITY

Intended for heavy and demanding industrial applications:

- **4 microprocessors** increase the speed of communication and optimize the efficiency of the product.
- **High productivity** thanks to its high duty cycle (470A @ 60%).
- **Connectable via a SAM control interface** for use on robot/automaton (optional).
- **Higher resistance and robustness** of the electronics.
- **Powerful electronically controlled wire feed motor** (100 W) with 4 active drive rolls.
- **High arc voltage** for easier ignition and exceptional arc dynamic.



ADVANCED INTUITIVITY

- **New user friendly interface** focused on welders' navigation habits.
- Complete update of the machine and synergies by USB key.
- Cooling unit (ref. 036246) and trolley (ref. 037328) optional.
- Storage of 500 welding programs (can be saved on USB stick).
- **Displays current/voltage** during and after welding (WPS/PQR).
- Choice of the main parameter to display on the screen (wire speed, average welding current, etc.).
- **Internal lighting** of the motorized roll and wire reel.
- **Viewing window** on trapdoor to check the consumption of the filler wire.
- **Intelligent ventilation management** to reduce power consumption, dust extraction and substation noise.

ROBUST AND MOBILE

- Reinforced metal case & non slip rubber pads.
- IP 23 protection rate.
- Interconnection cables (air or water cooled) up to 20m (optional).
- Remote settings of the wire feeder using the 2 optional remote controls (digital or analog).
- 4 rings/brackets for lifting/positioning.

Complete packs

Steel / Stainless	Aluminium
063570	063587

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jms
PRO

TECHNICAL DATA

PULSEMIG 500 G			
Power supply voltage		3 x 400 V +/- 15%	
Mains protection (delayed)		32 A	
Duty cycle factor 10 min/40°C EN 60974-1	MIG-MAG	50 %	100 %
	MMA	470 A	440 A
	TIG		430 A
Current range MIG-MAG / MMA / TIG		10 - 500 A	
No load voltage		85 V	
Charging voltage	MIG-MAG	14.5 - 39 V	
	MMA	20.4 - 40 V	
	TIG	10.4 - 30 V	
Max. efficiency		90 %	
No-load consumption	MIG-MAG	37 W	
	TIG	157 W	
	MMA		
Protection class		IP23	
Dimensions		680 x 300 x 420 mm	
Weight		29 kg	

PULSFEED 4W	
Power supply voltage	U ₁₁ = 48 V - 2 A U ₁₂ = 24 V - 1 A
Duty cycle factor 10 min/40°C EN 60974-1	60 % 100 %
Wire speed	500 A 460 A
Wire feeder motor	1 - 22 m/min
Roller diameter	4 motor reels
Wires	37 mm (Type F)
	ø Steel ø Stainless steel ø Coated wire ø Aluminium ø CuSi / CuAl
Wire reels	0.6 - 1.6 mm 0.9 - 2.4 mm 0.8 - 1.6 mm 0.8 - 1.2 mm
	weight / min. ø weight / max. ø
Protection class	5 kg - 200 mm 18 kg - 300 mm
Dimensions	IP23
Weight	630 x 440 x 290 mm 19 kg

ACCESSORIES & CONSUMABLES

			
PULSFEED 4W wire feeder 062689	Cooling unit PULSCOOL 036246	Trolley T/M 400 037328	Interconnection cables
			
Steel / Stainless steel air liquid	Aluminium air liquid		Filter kit 063143
450 A 3 m 045392	500 A 4 m 041004	600 A - 4 m / 70 mm ² 043831	5 l - 062511 10 l - 052246
			
Remote control digital RC-HD2 047662	Support RC-HD2 for trolley 037779	Remote control analog RC-HA2 - 10 m 047679	Mini USB keyboard AZERTY - 027725 QWERTY - 027770