



INVEST IN THE FUTURE



French manufacturer
since 1964

Welding & Cutting

Soudage & Coupage

Schweißtechnik Katalog

Saldatura & Taglio

Catálogo de Soldadura

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MMA/SMAW
TIG/GTAW
MIG-MAG/GMAW-FCAW
PLASMA CUTTING
INDUCTION
SPOT
ARC PULL
PROTECTIONS
CONSUMABLES
ACCESSORIES



Welding unit with inverter technology piloted by microprocessor.



The arc dynamic of the product is unique and revolutionary on the market.



Can be used with all types of electrodes: rutile, basic, stainless steel, cast iron in direct current.

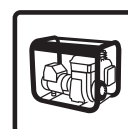


Very handy, thanks to its small weight (5 kg) and its highly reduced volume.



MMA

- ✓ **Immediate start** thanks to its very high no-load voltage.
- ✓ **Constant welding power.**
- ✓ **Very smooth melting** due to the direct current.
- ✓ **No sensitive to supply current fluctuations** or to the arc length.
- ✓ **Very good penetration** and perfect arc stability.



Delivered in suitcase with :

- Earth cable (1.6m / $\varnothing 16\text{mm}^2$)
- Electrode holder (2m / $\varnothing 16\text{mm}^2$)

ASSETS







HOT START : Increased power at start.

ANTI STICKING : Prevents the electrode sticking.

ARC FORCE : Instantaneous increase of the current in difficult welding situation.



PROTECTED WHEN WORKING ON GENERATOR SETS AND AGAINST SUPPLY VOLTAGE VARIATIONS (+/-15%).

	 50/60hz	 +AM-	I_2 MMA							EN60974-1 (40°C)		U_0	 mm²	 cm/kg	 Protected & compatible POWER GENERATOR (+/-15%)
				$\varnothing 1,6$	$\varnothing 2,0$	$\varnothing 2,5$	$\varnothing 3,2$	$\varnothing 4,0$	$\varnothing 5,0$	I_A (60%)	$X\%$ (I_2 max)				
	230V	32A	10 - 200A	62	50	47	45	30	21	120A	200A 20%	72V	10/16	14x18x27 / 5	7 kW 10 kVA

The **PROGYS 200A PFC** is a versatile Inverter stick welding (MMA) and TIG machine, controlled by micro-processor with touchpad and digital screen. It is designed for professional use.



Stick welding - MMA (200 A)

With its high duty cycle the PROGYS 200A PFC is suitable for intensive use with any type of electrode from Ø 1.6 to 5 mm : rutile, basic, steel, stainless steel and cast iron. Designed with Anti-Sticking, Hot start and adjustable Arc Force technology the machine is easy to use and to achieve excellent welding results.



TIG LIFT (200 A)

Strike without polluting the tungsten electrode. Automatic downslope with adjustable time for a better welding finish.



PFC Technology

PFC regulates and effectively use the supply current which enables the unit to operate on a single phase 16A 230V outlet, even intensive use, whereas 32A-230V may be required for the same output without PFC. This machine is capable of being used with long extension leads (up to 100m).



Duty cycle

Capable of welding 45 Ø3.2 mm electrodes in 1h.
100% duty cycle up to 120 A (at 20°).



Handy

Lightweight (~6 kg) and compact.



**200
A**



Delivered with :

- Plastic case
- Earth clamp (1.60 m - 25 mm²)
- Electrode holder (2 m - 25 mm²)

FEATURES








HOT START : Increased power at start.

ANTI STICKING : Prevents the electrode sticking.

ARC FORCE : Instantaneous increase of the current in difficult welding situation.



UNIT PROTECTED FOR USE ON GENERATORS AND AGAINST SUPPLY VOLTAGE VARIATIONS (+/-15%).

 50/60hz	 MMA I ₂	TIG I ₂	 							EN60974-1 (40°C)		 U ₀	 cm/kg	 Protected & compatible POWER GENERATOR (+/- 15%)
			Ø1.6	Ø2	Ø2.5	Ø3.2	Ø4.0	Ø5.0	I _A (60%)	X% (I ₂ max)				
230V	16A	10-200A	10-200A	62	50	47	45	35	24	120A	200A 20%	96V	14x21x27 / 5.5 Kg	7 kW 8.75 kVA

3 Phase MMA – TIG Lift 250A – 400V Capable of functioning on a long power cable Works on a wide range of input voltage (340V > 460V).

For unbeatable price and performance, the 250 A TRI is ideal for MMA (Electrode) welding on a 3 phase network. With a protection rating of IP21, the machine is very robust. The machine features a touch key-pad and digital display. Its duty cycle is suitable for professional work in mechanised welding, sheet metal and piping.

MMA (250A)

- ✓ The 250 A Tri's flexible arc dynamic allows it to weld Steel, Stainless Steel, Cast Iron, Rutile or Basic electrodes easily.
- ✓ In addition to **Anti-sticking**, this product features:
 - Adjustable **Hot-Start** : facilitates the ignition of all types of metal
 - Low Hot start for thin metals
 - High Hot start for difficult to weld metals (dirty or oxidised pieces)
 - Adjustable **Arc force** : for better penetration and prevention of sticking.



Without accessories

TIG Lift (250A)

- ✓ Easy start with TIG-Lift feature:
Machine prevents tungsten inclusions and radio electrical disturbances.
- ✓ To ensure a smooth welding bead, the PROGYS 250 A Tri includes an innovative « Arc Down Slope » function with:
 - Automatic release - with a simple movement with the torch
 - Adjustable down-slope

OPTIONAL (ref 047341)

- MMA Kit
- Length: 4 m
- Connector 35 mm²









PROFESSIONAL UNIT

IP21

Equipped with an IP21 protection rating, it is protected against access to dangerous parts with a finger, and against vertical drops of water drops.

PROGYS 250 A TRI is particularly suitable for outdoor work on site

		I ₂								EN60974-1 (40°C)		U ₀			
		TIG	MMA	Ø 1.6	Ø 2	Ø 2.5	Ø 3.2	Ø 4	Ø 5	I _A (60%)	X% (I ₂ max)				
400V 3~	16A	5-250 A		62	50	47	45	38	19	120A	15%	66V	35/50	20x42x32 / 11.3	10 kW 12.5 kVA

The FLEX 280 A CEL is an extremely versatile MMA Inverter welding machine capable of working on both single phase (110V & 240V) and 3 phase (415V) power supplies. The unit automatically manages the input power supply to produce a high quality arc condition. The robust build and IP23 protection rating makes it ideal for outside work in tough conditions.

High performance

- High duty cycle makes it ideal for industry applications.
- Capable of welding 1.6mm to 5mm electrodes.
- Features Secondary Regulation to maintain a stable arc.

Easy to set-up

- Switch from MMA to TIG by just pressing one button.
- Quick & precise adjustment of the welding current with two buttons.
- TIG lift : automatic arc release.
- Can be used with Tungsten electrodes from \varnothing 1.6 to 2.4 mm.
- MMA Pulse : Developed for pipe welding as well as vertical up welding.

CEL Cellulosic

- The FLEX 280 CEL has an open circuit voltage of 100V (cellulosic electrodes require an open circuit voltage of 90V).
- The high penetration given by this type of electrode makes it suitable for use in a number of applications including pipe welding and ship building.

AD Anti-dust ventilation corridor

- Allows cooling air to pass through the machine without coming into contact with the electronic circuit boards, protecting them from premature failure.
- Ideal for use in industrial environments.



- Delivered without accessories
- Optional remote control - 8m (ref.045675)
- Optional foot pedal (ref. 045682)

TECHNOLOGIES

Inverter - This technology enables:



- Better duty cycle for reduced electrical consumption
- Automatic adjustment of the welding current to maintain a stable and precise arc.

Hot Start : Increased power for easy striking.

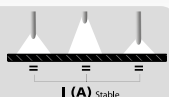
Arc Force : Maintains the arc whilst compensating for an "unsteady hand".

Antisticking : Prevents electrodes sticking to the work piece.

FEATURES

FLEX = 1 ϕ → 3 ϕ
110V → 480V

SR



Secondary regulation







Flexible - Adjustable to the power supply required :

- Automatic voltage detection
 - ⇒ Single phase DV 85 to 300V for an output up to 220A
 - ⇒ Three phase 300 to 480V for an output up to 250A
- One machine suitable to any electrical network

Secondary regulation - Regardless of the input voltage and changes in distance between the electrode and the metal, the machine ensures a stable arc for optimum quality.

IP 23

- The machine protection level is IP23, which means :
 - Protection against access to dangerous parts from solid bodies of a ≥ 12.5 mm diameter and,
 - Protection against the rain inclined at 60° towards the vertical.
- These devices can be used outside in accordance with the IP23 protection index.

 50/60hz	φ		Techno				 						EN60974-1 (40°C)			U ₀	 cm/kg	 Protected & compatible POWER GENERATOR (+/- 15%)
			SR	ADS	AD	CEL	∅ 1,6	∅ 2	∅ 2,5	∅ 3,2	∅ 4	∅ 5	I _A (60%)	I ₂ (100%)	X% (I ₂ max)			
110-180V	1	32											115A	90A	140A (30%)	100V	26x47x43 23	12.5 kVA
180-300V		25	✓	✓	✓	✓	62	50	47	45	38	38	180A	150A	200A (40%)			
300-480V	3	16											200A	170A	280A (25%)			

Sturdy construction, designed for pipe welding, the TIG 220 DC is a high quality welder for mild and stainless steels (TIG and MMA). Its ergonomic interface makes settings adjustment easy and intuitive.

OPTIMISED DC WELDING

- **TIG DC** : continuous current for ferrous metals.
- **TIG DC Pulse** : reduces heat distortion of the workpiece.
- **SPOT** : fast and precise spot welding, ideal before welding thin metal sheets.
- **2 types of start-up** : HF (without contact) or LIFT (with contact) for electro-sensitive environments.
- **trigger modes** : 2T, 4T and 4T LOG.
- **Automatic detection of the torch** : compatible with trigger, double button and potentiometer torches.
- **AIP** (Adjust Ideal Position) : helps to position the torch before welding (4T & 4T LOG modes).

MMA WELDING

- **MMA** : Basic rutiles and rutile electrodes (up to Ø 5 mm).
- **MMA Pulse** : Developed for pipe welding as well as vertical up welding.

STURDY

- Reinforced panels & shockproof rubber pads on the external body.
- Light (12.5 kg), compact and easy to move on-site.

ERGONOMIC INTERFACE

- **Displays current/voltage** during and after welding (DMOS/QMOS).
- **Save 10 programs** for each process, for repetitive tasks.
- **Foot pedal and remote control** (optional).

HIGH-TECH POWER SUPPLY

FV **Flexible Voltage power supply**, the machine will work on a single phase power supply from 85 to 265 V.

PFC **PFC technology (Power Factor Correction)**, the electrical power supply usage is optimised for up to 30% energy savings.

WATERCOOLING (optional)

- **Automatic**, the cooling unit is controlled by the machine.
- **Easy connection** thanks to the two Plug & Play connectors.
- **Water cooled torch**, for better comfort and access to difficult areas.

ACCESSORIES

Cooling unit:



WCU 0.5kW A
039490

Torches 8m :



SR26 L
046184

SR20 DB
046146

Remote control :



Foot pedal - 4m / 3kg
045682



Manual - 8m / 1kg
045675



Trolley 10m³
039711



Hand trolley 10m³
039704



Supplied without accessories



- **Clear and intuitive interface.**
- **Quick adjustments** on the front panel :

- pre-gas / post-gas
- upslope time
- welding current
- hot / cold current
- pulse frequency
- downslope time

			I ₂ TIG	I ₂ MMA	INTEGRATED TECHNOLOGY			TIG	MMA	U ₀				IP		Protected & compatible power generator (+/-15%)	
	50/60 Hz	A	A	A	PULSE	AIP	SR	EN 60974-1 (40°C)	EN 60974-1 (40°C)	V	mm ²	cm	kg			7 kW	7 kVA
	230V 1~	16	5 → 220	10 → 200	0.1 → 900 Hz	■	■	165A @ 60% 220A @ 35%	135A @ 60% 200A @ 25%	76	35/50	42x23x35	12.5	IP 21			
	110V 1~	32	5 → 180	10 → 140	0.1 → 900 Hz	■	■	125A @ 60% 180A @ 40%	110A @ 60% 140A @ 25%								

Designed for professionals, the TIG 300 DC is adapted for complex TIG and MMA welding operations. Intuitive, this welder allows you to perform high quality welding operations on soft and stainless steel. Its proven technology provides excellent results to industries (Pipework, petrochemical, boilerwork).

OPTIMISED DC WELDING

- **TIG DC** : continuous current for ferrous metals.
- **TIG DC Pulsed** : limits temperature elevation of the welded pieces.
- **SPOT** : fast and precise spot welding, ideal before welding thin metal sheets.
- **2 types of start-up** : HF (without contact) or LIFT (with contact) for electro-sensitive environments.
- **3 trigger modes** : 2T, 4T and 4T LOG.
- **Automatic detection of the torch** : compatible with trigger, double button and potentiometer torches.
- **AIP** (Adjust Ideal Position) : helps to position the torch before welding (4T & 4T LOG modes).

MMA WELDING

- **MMA** : Basic rutiles and cellulosic electrodes (up to Ø 5 mm).
- **MMA Pulse** : developed for welding pipes/tubes as well as upper vertical welding.

LIQUID cooling (option)

- **Water cooled torch**, for better comfort and access to difficult areas.
- **Automatic**, the cooling unit is controlled by the machine.
- **Easy connection** thanks to the two connectors inside the machine.

ERGONOMIC INTERFACE

- **Displays current/voltage** during and after welding (DMOS/QMOS).
- **Save 10 programs** for each process, for repetitive tasks.
- **Remote control** (optional pedal or manual) connectable without tools.
- **Connect 5 mode** to pilot the machine from a console or from an automaton (5 pre-saved program).

ULTRA COMPACT

- Reinforced panels & rubber pads.
- Light (21 kg), easy to move on-site.
- IP 23 classification for outside use.



Supplied without accessories



- **Clear and intuitive presentation.**
- **Quick adjustments** on the front :

- pre-gas / post-gas
- hot / cold current
- upslope time
- pulse frequency
- welding current
- downslope time

ACCESSORIES

Cooling unit:



WCU 1kW B
032217

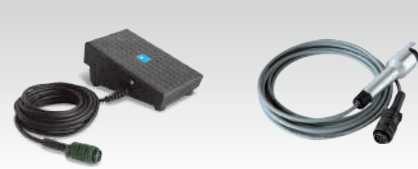
Torches 8m :



SR26 L
046184

SR20 DB
046146

Remote control :



Foot pedal - 4m / 3kg
045682

Manual - 8m / 1kg
045675



Trolley 10m³
039711



Hand trolley 10m³
039704

			I ₂ TIG	I ₂ MMA	INTEGRATED TECHNOLOGY				TIG	MMA	U ₀				IP		
	50/60 Hz	A	A	A	PULSE	AIP	SR	CEL	EN 60974-1 (40°C)	EN 60974-1 (40°C)	V	mm ²	cm	kg		Protected & compatible power generator (+/-15%)	
	400V 3~	16	5 → 300	10 → 250	0.1 → 900 Hz	■	■	■	255A @ 60% 300A @ 35%	220A @ 60% 300A @ 30%	90	35/50	52x25x40	21	IP 23	10 kW	12.5 kVA

The perfect solution for accurate welding of high alloy metals, the TITAN 400 power source with its high duty cycle (400 A @ 60 %) is designed for the most demanding TIG and MMA welding applications. Its User friendly interface enables easy setup with large and simple controls. Equipped with TACK mode and spot function, the TITAN 400 is the preferred tool of the professional welder on pipework, tubular construction and stainless steel plate fabrications.

OPTIMISED DC WELDING

- **TIG DC** : welding in continuous current.
- **TIG DC Pulse** : reduces heat distortion of the workpiece.
- **3 special welding processes**:
 - **SPOT mode**: traditional spot welding before welding thin sheet metals.
 - **TACK mode**: very precise spot welding function free of oxidation reducing the risk of heat input causing deformation. The welding spots in TACK mode are invisible in the weld bead.
 - **E-TIG mode**: ensures a unified weld bead width and consistent penetration regardless the position of the torch in relation to the work piece (control of the welding energy).
- **2 types of Arc start-up**: HF (without contact) or LIFT (with contact) for electro-sensitive environments.
- **3 trigger modes**: 2T, 4T and 4T LOG.
- **Automatic detection of the torch**: compatible with trigger, double button and potentiometer torches.

MMA WELDING

- **MMA**: coated, rutile, basics and cellulosic electrodes (up to Ø 6 mm).
- **MMA Pulse**: Developed for vertical welding to reduce «sagging» and optimise penetration

INTUITIVE

- **Displays current/voltage** during and after welding (WPS/PQR).
- **JOB Save 50 programs** for each process, for a perfect reproducibility of your welds.
- **Remote control** (optional pedal or manual).
- **Lockable keyboard** to protect against misuse.
- **Intelligent cooling fan** management system to minimise the power consumption (stationary, off arc = 35 W), reduce dust absorption and noise.
- **«Connect 5» mode** to trigger the machine from a automated controller or interface (5 pre-saved program).

ACCURATE

- **Calibration mode** allows for the adjustment of the voltage and improves the calculation of the energy.
- **ENERGY mode**, display and calculation of energy after welding according to the standards EN1011-1, ISO/TR 18491 and QW-409.

STURDY

- IP 23 classification for outdoor use.
- Reinforced chassis & non-slip rubber pads.
- 2 steel handles for easy lifting or handling.
- 4 corner rings suitable for slinging the equipment.



Supplied without accessories



All the TIG welding settings are directly accessible with one knob for simple operation. Large central control knob to allow for «gloved» use.

MAIN MENU

- pre-gas / post-gas
- upslope current
- welding current
- downslope time
- hot current
- pulse frequency
- cold current balance

ADVANCED MENU

- I start / t start
- I stop / t stop
- Shape of the pulse wave
- Spot welding duration in pulse current or in continuous current.

ACCESSORIES

Cooling unit:



WCU 1kW C
013537

Torch ABITIG liquid - 450 W - 8 m:



Trigger
037359



Double button
037366

Remote control:



Foot pedal RC-FA1
045682



Manual RC-HA1
045675



Trolley 10m³
037328



Filter
046580

			I ₂ TIG	I ₂ MMA	INTEGRATED TECHNOLOGY				TIG - MMA	U ₀						IP	
	50/60 Hz	A	A	A	PULSE	AID	SR	CEL	EN 60974-1 (40°C)	V	mm ²	W	cm	kg			Protected & compatible power generator (+/-15%)
	400 V - 3~	32	3 → 400	5 → 400	0.1 → 2500 Hz	■	■	■	400 A @ 60% 360 A @ 100%	85	70/95	35	75 x 30 x 54	40	IP 23	30 kVA	

Professional, single phase, 220 Amp AC/DC TIG welding machine, suitable for welding most materials including steel, stainless, aluminium and copper. Manufactured in France with a 2 year parts and labour warranty.

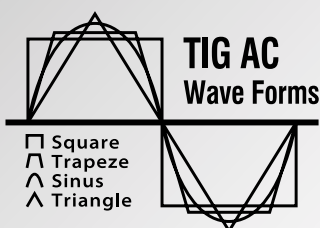
• A professional interface

5,7" TFT display screen and two control knobs make set-up and adjustment of welding parameters easy and intuitive.



Features :

Welding processes TIG AC/TIG DC/MMA



- Rectangular waves :**
Hard, dynamic and directive arc for a stable weld pool
- Sinusoidal waves :**
Smooth soft arc with limited noise arc
- Trapezoid waves :**
An optimised waveform to give a dynamic arc with low arc noise
- Triangular waves :**
Narrow concentrated arc with high penetration

• TIG AC MIX Mode :

It mixes DC and AC sequences whilst welding in order to increase travel speed on aluminium sheets.

• Flexible Voltage :

Works on both 110/240V power supplies.

• Power Factor Correction (PFC) :

Enables trouble free use on long extension cables and is generator friendly.

• Anti-dust corridor :

Fan cooling system stops metallic dust from being blown onto electronic circuit boards protecting against premature board failure.

• Pulse mode :

Adjustable pulse frequency, ideal for working on thin material by reducing heat distortion.

• Synergic mode :

Time saving feature, just enter material type, thickness and electrodes size and the machine calculates ideal welding parameters.

• HF and LIFT start options

• Tack spot mode :

Fast tack mode with no oxidation

• Integrated Technologies



Connections :

• Connect 5 :



This mode enables control of the TIG 220 AC/DC from a console or a control panel due to 5 pre-saved programs.

• Manual remote control



Ref. 045682



Ref. 045675



Machine only

Ref. 011908

COOLING UNIT Option

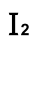
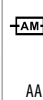


Cooling unit WCU-1Kw A

Ref. 039773



TIG 220 AC / DC HF FV
011908



INTEGRATED TECHNOLOGY



TIG		MMA		Freq. AC	Uo	mm ²	cm/kg	Protected & compatible power generator (+/-15%)	
EN60974-1 (40C)	IA (60%)	x% 12max	EN60974-1 (40C)	IA (60%)	x% 12max	Hz	Uo	mm ²	cm/kg
140	100		140	75		20+200	75	35 / 50	25x52x40/20
185 (AC)	45 (AC)		170	30					
175 (DC)	35 (DC)								
								6 kW	7,5 kVA

This industrial TIG, with a high duty cycle, is designed to weld steel, stainless steel, copper and aluminium alloys. Its reinforced steel casing is ideal for on-site work and its advanced cooling mode gives the highest duty cycle and protects it against dust.

PROFESSIONAL INTERFACE

- 5.7" TFT display screen offering large information readability : current, thickness, welding mode, etc.
- 2 control knobs to easily navigate through the different menus.

SYNERGIC MODE

Simplified mode which offers automatic configuration of welding parameters tailored to the users' requirements. Simply enter 4 settings:

- **metal**
- **assembly type**
- **electrode diameter**
- **thickness of the metal to weld.**

MANUAL MODE

The operator has full control of all the TIG settings to suit the welding requirements. 250 user selected parameters can be saved in the machine for future recall.

EXCEPTIONAL LIQUID COOLING SYSTEM

The internal electronics are cooled by an advanced system with no fan required giving the added advantage of protection from dust ingress « Fanless ».



ROBUST DESIGN (HORS MARINE)

The casing is reinforced by an external aluminium structure to allow safe lifting without damaging the machine. An easy to set up trolley enables conversion into a transportable unit with a 10m³ gas bottle support.

TWO MMA MODES

Easy mode or PRO mode with access to every parameter.

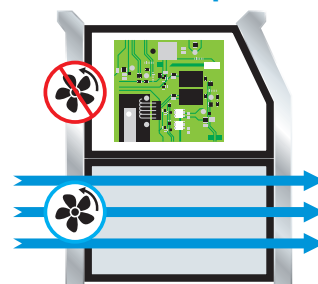


Trolley
ref. 040960

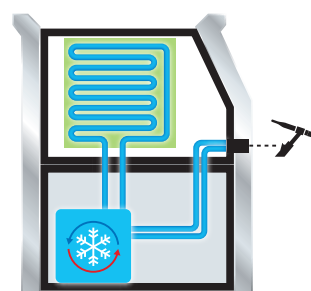


Supplied without accessory

100% dust proof



Liquid cooled electronics



	50/60hz		I ₂		EN60974-1 (40°C)		Freq. AC Hz	U ₀			IP		
			TIG AC	TIG DC	I _A (60%)	X% (I ₂ max)							
	400V 3~	16A	10-250A	5-250A	TIG 250	TIG 60%	20-200	85V	35/50	34x64x67 / 46	IP23S	Protected & compatible POWER GENERATOR (+/- 15%)	10 kW 12.5 kVA
					MMA 230	MMA 40%							

The **TITANIUM 400 AC/DC** is a high-performance TIG AC/DC generator (400 A to 60%) designed to offer a wide choice of welding processes (TIG AC, DC, MMA). It can be used to weld all types of materials; mild steel, stainless steel, aluminium, copper, titanium. Also ideal for welding thin gauge, its Pulse mode reduces heat input and provides better arc control. Intuitive and highly functional, its digital interface allows you to change welding parameters with ease.

5 TIG/GTAW WELDING MODES

- | | |
|----|--|
| DC | DC Standard: DC welding on most ferrous materials. |
| DC | DC Pulse: limits the heat input of the parts to be welded. Ideal for very thin sheets. |
| AC | AC Standard: welding of aluminium and its alloys (Al, AISi, AlMg, AlMn...). |
| AC | AC Pulse: limits the heat input rise of the parts to be welded. Ideal for very thin sheets. |
| AC | AC Mix: AC and DC current alternation accelerates productivity on aluminum assemblies. |

AUTOMATION & ROBOTICS

- **Connect 5 mode** to control the generator from a console or PLC.
- Connectable via an optional bridge for robot use.

OPTIMIZED SETTINGS

- **4 tacking modes :**
 - **Spot / Multi Spot:** traditional tacking before welding thin sheet metal.
 - **Tack / Multi Tack:** ultra-precise tacking and without oxidation reducing the risk of heat input. The points are invisible in the final weld bead.
- **2 types of start-up :** HF (without contact) or LIFT (with contact) for electro-sensitive environments.
- **3 trigger modes:** 2T, 4T and 4T LOG
- **Parameter setting of AC and Pulse waveforms,** facilitating arc control and penetration while reducing noise level.
- Automatic detection of the torch : compatible with trigger, double button and potentiometer torches.

SMART

- **SYNERGIC mode:** offers a configuration adapted to the type of welding after entering 3 data: type of material, thickness to be welded and welding position.
- **E-TIG mode:** ensures a constant bead width and penetration, regardless of the torch's position in relation to the part (welding energy control).

ADVANCED INTUITIVITY

- New simplified HMI focused on the navigation habits of TIG welders (EASY).
- Ideal for compliance with WPQR and WPS (EXPERT and ADVANCED).
- Updatable machine and synergies via USB key.
- Cooling unit (ref. 013537) and trolley (ref. 037328) optional.
- Recording of 100 programs/jobs per process for repetitive tasks (can be saved on USB stick).
- Remote control (optional pedal or manual) connectable without tools.
- Intelligent ventilation management to reduce power consumption, dust extraction and substation noise.

SMAW/MMA WELDING

- **MMA:** coated, rutile, basic and cellulosic electrodes (up to Ø 8 mm).
- **MMA AC:** allows welding without magnetic disturbance of the arc.
- **MMA Pulse:** developed for welding in an upright vertical position.

ACCURATE

- Calibration mode of welding accessories, to adjust the measurement of the voltage and improves the calculation of the energy.
- **ENERGY mode,** display and calculation energy after welding according to the standards EN1011-1, ISO/TR 18491 and QW-409.
- Portability: load/backup user JOBS and machine configuration from a USB key.
- Traceability: Trace/record all welding steps, bead by bead, during industrial manufacturing according to EN 3834.

ROBUST














- IP 23 classification for outside use.
- Reinforced bodywork and HMI protected by a protective housing.



Delivered without accessories
(optional trolley)



- 3 interface levels** for the user:
- EASY (simplified display)
 - EXPERT (full display)
 - ADVANCED (specific applications)

			I ₂ TIG DC	I ₂ TIG AC	I ₂ MMA	INTEGRATED TECHNOLOGY			TIG - MMA	U ₀											
	50/60 Hz	A	A	A	A	PULSE	SR	CEL	EN 60974-1 (40°C)	V	mm ²	W	cm	kg	IP	Protected & compatible power generator (+/-15%)					
	400 V - 3~	32	3 → 400	5 → 400	5 → 400	0.1 → 2500 Hz (TIG DC) 0.1 → 200 Hz (TIG AC)	■	■	400 A @ 60% 360 A @ 100%	85	70/95	35 (TIG) 170 (MMA)	68 x 30 x 54	43	IP 23	30 kVA					

The **MULTIPEARL 200-4 XL** is a single phase multi-process welder. It is capable of MIG/MAG, Gas & No Gas, MMA and TIG welding. It has an advanced user interface with the option of fully synergic or manual mode.

3 in 1

This machine combines 3 welding processes from its advanced inverter technology and features a LCD display.

• MIG-MAG

- 4 roll wire feed mechanism.
- MULTIPEARL 200-4 XL takes both 10kg & 15kg wire reels.
- This process can be used in manual or synergic mode.

• TIG

- The device is capable of TIG Lift DC welding.
- Post Gas and Downslope are adjustable directly on the torch due to the EURO connector.

• MMA

- Capable of welding rutile, steel, stainless and cast iron up to Ø 5mm.
- Hot Start and Arc Force are adjustable from 0 to 100%.

3
in 1



Delivered with :

2.5m earth clamp

3m, 250A MIG torch fitted

2m electrode holder



Options

- TIG torch SR17 DB - air - 4m (046108)
- trolley 4 m² WELD 810 (037489)
- trolley 4 m² WELD 610 (040281)
- welding no gaz kit for (041240)

MIG-MAG SYNERGY

- Wire speed and voltage are automatically adjusted by the machine by selecting:
 - Wire type and diameter ;
 - Thickness of the metal to weld ;
 - Gas used ;
 - Welding position.
- It is possible to manually adjust the wire speed and arc length if desired.

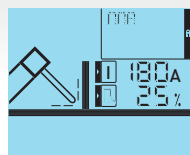
Synergies offered :

Type of metal	Fe	Fe	AlG 5	Stainless steel	Cored wire	CuSi 3	CuSi 8	CuAl	AlSi 5	AlSi 12
Process	MAG	MAG	MIG	MAG	MAG	MIG	MIG	MIG	MIG	MIG
Gas	Ar+CO ²	CO ²	Ar	Ar+CO ² 2%	✗	Ar	Ar	Ar	Ar	Ar
Ø available	0.6 - 0.8 - 1.0	0.6 - 0.8 - 1.0	0.8 - 1.0	0.8 - 1.0	0.9 - 1.2	0.8	0.8 - 1.0	0.8	1.0	1.0
Welding position	All	All	All	All	All	Flat	Flat	Flat	All	All

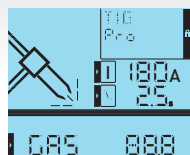
FEATURES

- LCD screen designed to view and easily adjust welding settings.

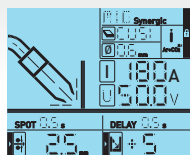
MMA



TIG Lift



MIG-MAG



PFC

- Power Factor Correction enables a saving of 30% of energy by using the electricity network more efficiently.

FV

- Flexible Voltage enables the machine to run on a power supply from 85V to 265V.

- Combining these two technologies makes the device suitable to use with extension leads up to 100m and on both 110V & 240V electrical supplies.

- Tested in the factory against overvoltage up to 400V. Also the device is designed to be able to be used on a generator.



50/60hz	AM	MMA I ₂	TIG I ₂	min>max	ømm	ømm	Electronic Control	équipé d'origine / original equipment / Originalausstattung / equipamiento de fabrica	EN60974-1 (40°C)	cm/kg	Protected & compatible POWER GENERATOR (+/- 15%)
					GAS	NO GAS			I _A (60%)	X% (I ₂ max)	
110V 1~	32A	10-130A	10-180A	20-150A	0.6 - 1.0	0.9 - 1.2	✓	✓	0.6 - 0.8	0.8	110A 150A 22%
230V 1~	16A	10-200A	10-200A	20-200A	0.6 - 1.0	0.9 - 1.2	✓	✓	0.6 - 0.8	0.8	120A 200A 20%
											25x55x44 / 20
											7,5 kW 9 kVA

MULTIWELD 250T-C

Ref. 014572

The **MULTIWELD 250T-C** is a compact three-phase generator combining **MIG/MAG**, cored wire and **MMA** welding processes. Its intuitive interface integrates digital displays for easy and precise settings. With a reinforced structure including 2 handles for lifting and slinging, the **MULTIWELD 250T-C** is perfectly suited for welding in the workshop and on site use.

MULTIPROCESS

- **MIG/MAG welding :**
 - steel wire: Ø 0.6 to 1.2 mm
 - stainless steel wire: Ø 0.9 to 1.2 mm
 - aluminium wire: Ø 0.8 and 1.0 mm
 - cored wire (reverse polarity): Ø 0.9 to 1.2 mm
- **MMA welding:** basic and rutile electrodes (up to Ø 5 mm).

OPTIMISED MIG/MAG SETTINGS

- **Choice of the trigger mode:** 2T or 4T.
- **Welding aid:** table on the side of the generator to help the user adjust his tension and filler wire diameter according to the thickness of the material to be welded.

INTUITIVE

- Display readable even in bright light.
- **Simple interface** with large buttons and knobs for use with gloved hands.

INTEGRATED WIRE FEEDER

- Compatible wire reels: Ø 200 / 300 mm.
- Powerful 2 roller motorized wire-feeder for an efficient wire feeding.
- EURO torch connector for quick assembly/disassembly.

PRE-HEATING, PURE CO2

- Pre-installed socket (36 V - 4.2 A) for gas heater in pure CO2 welding (heater not included).
- Compatible with US (type A) and EURO electrical sockets (type C/E/F).

ROBUST

- Reinforced structure.
- 2 steel handles for easy manipulation.



Supplied without accessories



Welding voltage

Arc dynamic

MIG/MAG: Wire feed rate (2 > 15 m/min)
MMA: Welding intensity

ACCESSORIES (option)

STEEL / STAINLESS STEEL		ALUMINIUM	
250 A (60%)	250 A (60%)	250 A (60%)	250 A (60%)
3 m	4 m	3 m	4 m
040700	040922	040724	040939

Earth clamp
250 A - 4 m - 25 mm²
043794

Electrode holder
300 A - 4 m - 35 mm²
043862

	Rollers type A	
STEEL / STAINLESS STEEL	Ø 0.6 / 0.8	042339
	Ø 0.8 / 1.0	041189
ALUMINIUM	Ø 0.8 / 1.0	041196
	Ø 0.8 / 0.9	046856
Cored wire	Ø 0.9 / 1.2	042346

Trolley JOB SITE XL
039568

		I ₂ MMA	I ₂ MIG			200	300				équipé d'origine / original equipment / originalausstattung / equipamiento de fabrica	EN 60974-1 (40°C)	U ₀			IP	
50/60 Hz	A	A	A	GAS	NO GAS	200	300	Ø mm	Electronic Control	m/min		X (40°C)	V	cm	kg	IP 21	Protected & compatible power generator (+/-15%)
400V 3~	16	40 → 220	40 → 250	0.6	0.9	✓	✓	1.6 → 5		2.0	0.8	170A @ 60%	59	58 x 52 x 32	32	IP 21	10 kVA
				1.2	1.2					15.0	1.0	130A @ 100%					

The NEOPULSE 220 C XL is a single-phase pulsed MIG/MAG generator with digital technology. Designed for the highest performance level using the latest technology, it features numerous synergic curves and exceptional arc quality/performance. Intuitive and highly functional, the digital interface allows for quick and easy modifications of the welding parameters. Fitted with an accurate and powerful 4 drive roll feeding system, the NEOPULSE 220 C XL offers manufacturers maximum productivity.

MULTI-PROCESS WELDING

■ MIG/MAG :

- steel and stainless steel wire: Ø 0.6 to 1.0 mm
- aluminium wire: Ø 0.8 to 1.2 mm
- CuSi and CuAl wire: Ø 0.8 to 1.0 mm

■ MMA DC / Pulse : basic, rutile and cellulosic electrodes (up to Ø 5 mm).

■ TIG DC / Pulse.

SMART

- **SYNERGIC mode:** After selecting 2 criteria (material/gas combination and the wire diameter), NEOPULSE automatically works out the optimal welding conditions while still allowing you to adjust the settings (wire feed rate, voltage, current, arc length).

ACCURATE

- **Calibration** of the wire feed speed to adjust the displayed voltage measurement and refine the energy calculation.
- **Energie**, display and energy calculation after welding based on standards EN1011-1, ISO / TR 18491 and QW-409.
- **Portability** : load/backup user JOBS and machine configuration from a USB key.
- **Traceability** : trace / record all welding steps, cord by cord, during industrial manufacturing in line with standard EN ISO 3834.

OPTIMISED MIG/MAG SETTINGS

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

MAXIMUM PRODUCTIVITY

- **4 microprocessors** giving four times the processing power.
- **High productivity** thanks to high duty cycle (150 A @ 60%).
- **Compatible wire reels:** Ø 200 / 300 mm.
- **Powerful 4 roller wire-feeder** for efficient wire feeding.
- **Very high arc voltage** for easier ignition and exceptional arc dynamic.

INTUITIVE

- New user friendly interface focused on welders' navigation habits.
- Update of the machine and synergies using a USB key.
- 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 wire feed motor and wire reel.
- Viewing window on wire door to check the state of wire.
- Intelligent ventilation management to reduce power consumption, dust intake and noise.
- Compatible torch Push Pull (24 V).

ROBUST AND MOBILE

- Reinforced metal case & non slip rubber pads.
- IP23S case.
- 2 handles for easier mobility.



Supplied without accessories



3 levels of interface for the user:

- Easy: simplified features
- Expert: full display
- Advanced: full access to all parameters

50/60 Hz	A	A	GAS	NO GAS	200	300	Ø mm	Ø mm	Electronic Control	m/min	équipé d'origine / original equipment / originalausstattung / equipamiento de fabrica	MIG-MAG	MMA	TIG	U ₀	cm	kg	IP	Protected & compatible power generator (+/-15%)
230 V 1~	16	10 → 220	0.6 - 1.2	0.9 - 1.2	✓	✓	1 → 5	Ø mm	Electronic Control	0.5 - 20	0.8 1.0	EN 60974-1 (40°C)	EN 60974-1 (40°C)	EN 60974-1 (40°C)	80	61 x 32 x 49	29.5	IP 23S	7.5 kVA

The NEOPULSE 320 C is a digital 3 phase MIG/MAG pulse welding machine. Designed for the highest performance level using the latest technology, it features numerous synergic curves and exceptional arc quality/performance. User friendly and highly practical, the digital interface is designed for quick and easy adjustments of the welding parameters. Equipped with a precise 4-Roll drive system, this powersource provides unparalleled productivity and welding quality on all types of materials.

MULTI-PROCESS WELDING

- **MIG/MAG :**
 - steel wire: Ø 0.6 to 1.2 mm
 - stainless steel wire: Ø 0.8 to 1.2 mm
 - aluminium wire: Ø 0.8 to 1.2 mm
 - CuSi and CuAl wire: Ø 0.8 to 1.2 mm
- **MMA DC / Pulse:** basic, rutile and cellulosic electrodes (up to Ø 5 mm).
- **TIG DC Lift / PULSE**

SMART

- **SYNERGIC mode:** After selecting material/gas combination and the wire diameter. NEOPULSE automatically works out the optimal welding conditions while still allowing you to adjust the settings (wire feed rate, voltage, current, arc length).

ACCURATE

- **Calibration** of the welding cables and motor speed, in order to adjust the voltage displayed and refine the energy calculation.
- **Energy**, display and energy calculation after welding based on standards EN1011-1, ISO / TR 18491 and QW-409.
- **Portability:** load/save user JOBS and machine settings using a USB stick.
- **Traceability:** track / record all welding steps, weld by weld, during industrial manufacturing in line with standard EN ISO 3834.

OPTIMISED MIG/MAG SETTINGS

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

MAXIMUM PRODUCTIVITY

Intended for heavy and demanding industrial applications:

- **4 microprocessors** increase the speed of communication and optimize the efficiency of the powersource.
- **High productivity** thanks to high duty cycle (300 A @ 60%).
- **Compatible wire reels:** Ø 200 / 300 mm.
- **Connectable via a SAM control interface** for use on robot/automaton (optional).
- **Robust design** to withstand shock and vibration
- **Powerful electronically controlled wire feed motor** (100 W) with 4 active drive rolls.
- **Very high arc voltage** for easier ignition and exceptional arc dynamic.

EASY TO USE

- New user friendly interface focused on welders' navigation habits.
- Update of the machine and synergies using a USB key.
- Cooling unit (ref. 013537) 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 wire feed motor and wire reel.
- Viewing window on wire door to check the level of wire.
- Intelligent ventilation management to reduce power consumption, dust intake and noise.
- Compatible torch Push-Pull (24 V / 42 V).

ROBUST AND MOBILE

- Reinforced metal case & non slip rubber pads.
- IP23 case.
- Separate NEOFEED-4W* dispenser with air or water connection cables up to 20m (optional)
- Remote adjustment of the generator using 2 optional remote controls (digital* or analog).

*Required digital connector kit (ref. 063938)



Supplies without accessories



3 levels of interface for the user:

- Easy: simplified features
- Expert: full display
- Advanced: full access to all parameters

NEOPULSE 320 C





Ref. 062474



TECHNICAL DATA

Power supply voltage		3 x 400 V +/- 15%	Wire speed		1 - 22 m/min
Mains protection (delayed)		32 A	Wirefeed motor		4 feed rollers
Duty cycle 10 min/40°C EN 60974-1	60 %	300 A	Feed rollers diameter		37 mm (Type F)
	100 %	280 A	Wire	ø steel	0.6 - 1.2 mm
				ø stainless steel	0.8 - 1.2 mm
Current range MIG-MAG / MMA / TIG		10 - 320 A		ø cored wire	0.9 - 1.6 mm
No load voltage		85 V		ø aluminium	0.8 - 1.2 mm
Voltage on charge	MIG-MAG	14.5 - 30 V		ø CuSi / CuAl	0.8 - 1.2 mm
	MMA	20.4 - 32.8 V		Wire reel	weight / min. ø
	TIG	10.4 - 22.8 V	weight / max. ø		18 kg - 300 mm
Max. productivity	%	91 %	Protection rating		IP23
No-load consumption	MIG-MAG TIG	37 W	Dimensions		680 x 300 x 550 mm
	MMA	157 W	Weights		36 kg

ACCESSORIES & CONSUMABLES

 <p>Neofeed 4W wire feeder 014527</p>	 <p>Cooling unit WCU 1KW C 013537</p>	 <p>Trolley T/M 400 037328</p>	 <p>Inter connection cables</p> <table><tr><th colspan="2">air</th><th colspan="2">water</th></tr><tr><td>5 m</td><td>70 mm²</td><td>047587</td><td>037243</td></tr><tr><td>10 m</td><td>70 mm²</td><td>047594</td><td>047617</td></tr><tr><td>10 m</td><td></td><td>047600</td><td>047624</td></tr><tr><td>15 m</td><td>95 mm²</td><td>038349</td><td>047631</td></tr><tr><td>20 m</td><td></td><td>038431</td><td>038448</td></tr><tr><td></td><td></td><td></td><td>038455</td></tr></table>	air		water		5 m	70 mm ²	047587	037243	10 m	70 mm ²	047594	047617	10 m		047600	047624	15 m	95 mm ²	038349	047631	20 m		038431	038448				038455
air		water																													
5 m	70 mm ²	047587	037243																												
10 m	70 mm ²	047594	047617																												
10 m		047600	047624																												
15 m	95 mm ²	038349	047631																												
20 m		038431	038448																												
			038455																												
 <table><tr><th>Steel / Stainless steel</th><th>Aluminium</th></tr><tr><td>air</td><td>water</td></tr><tr><td>350 A 4 m</td><td>300 A 4 m</td></tr><tr><td>040946</td><td>043275</td></tr><tr><td></td><td>040748</td></tr></table>	Steel / Stainless steel	Aluminium	air	water	350 A 4 m	300 A 4 m	040946	043275		040748	 <p>Earth cable 600 A - 4 m / 70 mm² 043831</p>	 <p>Electrode holder 500 A - 4 m / 50 mm² 043879</p>	 <p>Cooling liquid 5 l - 062511 10 l - 052246</p>	 <p>Filter kit 063143</p>																	
Steel / Stainless steel	Aluminium																														
air	water																														
350 A 4 m	300 A 4 m																														
040946	043275																														
	040748																														
 <p>Remote control digital RC-HD2 062122</p>	 <p>Support RC-HD2 for trolley 037779</p>	 <p>Remote control analog RC-HA2 - 10 m 047679</p>	 <p>SAM robotic control interface 062993</p>	 <p>Digital connection kit RC 063938</p>																											

Digital technology, the NEOPULSE 400 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 NEOFEED-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 NEOPULSE 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.

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 (400A @ 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. 032750) 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.



Supplied without accessories



Complete packs

Steel / Stainless steel	Aluminium
062894	062900

NEOPULSE 400 G

Ref. 014497



TECHNICAL DATA

NEOPULSE 400 G		
Power supply voltage	3 x 400 V +/- 15%	
Mains protection (delayed)	32 A	
Duty cycle factor 10 min/40°C EN 60974-1	60 %	400 A
	100 %	360 A
Current range MIG-MAG / MMA / TIG	10 - 400 A	
No load voltage	85 V	
Charging voltage	MIG-MAG	14.5 - 34 V
	MMA	20.4 - 36 V
	TIG	10.4 - 26 V
Max. efficiency	%	91 %
No-load consumption	MIG-MAG TIG	37 W
	MMA	157 W
Protection class	IP23	
Dimensions	680 x 300 x 420 mm	
Weight	28.5 kg	

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

ACCESSORIES & CONSUMABLES

			 Interconnection cables <table><tr><th colspan="2">air</th><th colspan="2">liquid</th></tr><tr><td>5 m</td><td>70 mm²</td><td>047587</td><td>1.8 m</td><td>037243</td></tr><tr><td>10 m</td><td></td><td>047594</td><td>5 m</td><td>70 mm²</td><td>047617</td></tr><tr><td>10 m</td><td></td><td>047600</td><td>10 m</td><td></td><td>047624</td></tr><tr><td>15 m</td><td>95 mm²</td><td>038349</td><td>10 m</td><td></td><td>047631</td></tr><tr><td>20 m</td><td></td><td>038431</td><td>15 m</td><td>95 mm²</td><td>038448</td></tr><tr><td></td><td></td><td></td><td>20 m</td><td></td><td>038455</td></tr></table>	air		liquid		5 m	70 mm²	047587	1.8 m	037243	10 m		047594	5 m	70 mm²	047617	10 m		047600	10 m		047624	15 m	95 mm²	038349	10 m		047631	20 m		038431	15 m	95 mm²	038448				20 m		038455
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Digital technology, the NEOPULSE 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 NEOFEED-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 NEOPULSE 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.

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. 032750) 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.



Supplied without accessories



Complete packs

Steel / Stainless steel	Aluminium
062924	062931

NEOPULSE 500 G

Ref. 014503



TECHNICAL DATA


NEOPULSE 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	60 %	100 %
		470 A	440 A
	MMA		430 A
	TIG		450 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 TIG	37 W	
	MMA	157 W	
Protection class		IP23	
Dimensions		680 x 300 x 420 mm	
Weight		29 kg	

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

ACCESSORIES & CONSUMABLES

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Powered by inverter technology, the EXAGON 400 combines MMA, MIG-MAG & TIG in a single machine, offering exceptional welding performance. Featuring advanced electronics and a reinforced structure, this station guarantees maximum productivity, even in the most hostile environments. Powerful, sturdy and versatile, the EXAGON 400 takes welding to the next level.

MULTIPROCESS WELDING

Versatile thanks to its 6 modes:

- **MMA** : basic, rutile and cellulosic electrodes (up to Ø 6 mm)
- **MMA Pulse** : ideal for rising vertical welding
- **MIG / MAG** : solid wire (Ø 0.6/1.6 mm) and cored wire (Ø 2.4 mm)
 - Workshop water cooled wire feeder (optional EXAFEED 4L)
 - Construction site wire feeder (optional NOMADFEED)
- **Arc gouging** with carbon electrode (up to Ø 6.4 mm),
- **TIG DC** with TIG lift start.

INTENSIVE USE

Suited for offshore, naval and railway construction and metal works:

- **Increased productivity** thanks to its strong duty cycle (400A @ 60%).
- **Optimised cooling** thanks to the air-tight ventilation corridor that helps insulate the electronic components from the dust.

INTUITIVE

- **Visible display**, even when exposed to the sunlight.
- **Simple interface** with easily adjustable buttons and knobs, adapted to gloved hands.
- Stores 50 presets for each process.
- **Remote control** (optional).

USER PROTECTION

- **VRD** (Voltage Reduction Device) to lower no load voltage < 35V.
- **Lockable keyboard** to protect against misuse.

STURDY

- Reinforced panels & rubber pads.
- 2 steel handles for easy manipulation.
- IP 23 classification for outside use.



Supplied without accessories



The settings are directly adjustable with two knobs :



Primary setting

- current (MMA, TIG)
- voltage (MIG-MAG, gouging)



Secondary setting

- Arc force (MMA)
- Inductance (MIG-MAG)

ACCESSORIES

Compatible wire feeders:



EXAFEED
032408



NOMADFEED
036291

TIG HF



EXATIG
013780

Cooling unit:



EXACOO
032422

1000W
5.5L

Connection cable
(water cooled):









1.8 m 70 mm² 037243
5 m 70 mm² 047617
10 m 70 mm² 047624
10 m 95 mm² 047631
15 m 95 mm² 038448
20 m 95 mm² 038455



Trolley
037328



Hand trolley JOBSITE XL
039568

			I ₂ MMA	I ₂ TIG	I ₂ MIG	INTEGRATED TECHNOLOGY							EN 60974-1 (40 °C)	U ₀			IP	  Protected & compatible power generator (+/-15%)		
	50/60 Hz	A	A	A	A	HS	AF	MMA PULSE	TIG Lift	SR	AD	CEL	X (40 °C)	V	cm	kg				
	400 V 3~	32	20 → 400	10 → 400	15 → 400	▪	▪	▪	▪	▪	▪	▪	400A @ 60% 350A @ 100%	84	58 x 52 x 30	32	IP 23	30 kW	36 kVA	

Designed to work exclusively with EXAGON generators, the EXAFEED 4L wire feeder allows full control of welding parameters. Its intuitive interface and its high precision wire feed are ideal for industrial customers.

OPTIMUM MIG/MAG SETTINGS

- **Voltage, Wire speed** and **Inductance** can be set from the front panel.
- Set the trigger mode : **2T** and **4T**.
- **Spot modes** : SPOT and SPOT-DELAY.
- **5 advanced settings** : Pre-gas, Hotstart, Creep speed, Burnback and Post-gas.

INTENSIVE USE

- **High duty cycle** (500A @ 60%).
- Compatible with air and water cooled torches.
- **Powerful wheel drive system** (100W) with *electronic regulation*.
- **4 Drive rolls** ensures effective wire feed with any wire type.

ERGONOMIC

- **Displays current/voltage** during and after welding (WPS/PQR).
- **Advanced display**, visible even in bright light.
- **Simple interface**: large controls can be adjusted with gloved hands.
- **Internal LED** light illuminating the wire feeder and wire reel.
- 50 settings can be memorised.
- Lockable keyboard to protect against misuse.
- Compatible with Push-Pull torch (24V / 42V).
- Integrated torch support.
- Multi-position slinging support (optional).

ROBUST AND MOBILE

- Reinforced metal case & non slip rubber pads.
- IP 23 classification for outside use.
- 4 rings/brackets for slinging.
- Interconnection cables (air or water) up to 20m (optional).
- Wheels or support pads for enhanced mobility (optional).
- Settings can be adjusted with a 10m cabled remote control (optional).



Supplied without accessories



ACCESSORIES



Can only be used with EXAGON 400



Trolley
037328



Interconnection cables			
	air	water	
1.8 m 70 mm ²	-	037243	
5 m 70 mm ²	047587	047617	
10 m 70 mm ²	047594	047624	
10 m 95 mm ²	047600	047631	
15 m 95 mm ²	038349	038448	
20 m 95 mm ²	038431	038455	

STEEL / STAINLESS STEEL		ALU	
air	water	air	water
450A 4m	045392	350A 3m	040731
500A 4m	041004	500A 3m	046160
Push-Pull Plus - 24 V			
	water		
	240A (100%) 8m		038141



Wheel kit
047020



Remote control
047679



Slinging support
036277

		⌀ mm		⌀ mm		Electronic Control	m/min	équipé d'origine / original equipment / originalausstattung / equipamiento de fabrica	EN60974-5 (40°C)	IP	cm/kg
U ₁₁	U ₁₂	GAS	NO GAS	200	300						
48V-2A	24V-1A	0.8 1.6	0.9 2.4	✓	✓	100W	1.0 22.0	1.0 1.2	500A @ 60% 400A @ 100%	23	67.5x30x23 / 19



The NOMADFEED 425-4 is a wire feed case that takes its power directly from the welding circuit. . Ideal for MIG/MAG, the feed case is recommended for site work and is compatible with most welding generators in the market.

OPTIMUM MIG/MAG SETTINGS

- **Electronically controlled** wire speed adjustable using the potentiometer at the front of the machine.
- **Choice of 2 torch trigger modes** : 2T or 4T.
- **Wire speed regulation modes** : CC (current source) or CV (voltage source).
- **Soft start function** : easier first contact with the metal.
- Precise wire pressure adjustment.
- Choice of information displayed on screen.

HEAVY DUTY

- **Heavy duty cycle** for enhanced productivity (425A @ 60%).
- Compatible with air cooled torches and water cooled torches connected to an external cooling unit.
- Powerful electronically regulated **wire feed motor** (100W).
- **The 4 drive rolls** ensure a smooth feed on all types of wire.

Standard drive rolls	Type E - Ø 30 mm	Type C - Ø 37 mm	E  C 
Cored wire	Ø 1.6 (038615)	Ø 1.2 / 1.6 (038646)	

ERGONOMIC

- Display of **current/voltage/wire speed (for DMOS)**.
- **Display screen is readable** even in very bright situation.
- **Straightforward interface** with buttons designed to be operated while wearing gloves.
- **EURO** torch connection.
- **Easy** wire feed.
- Quick torch air purge.

DESIGNED FOR SITE WORK

- Electronics **protected** from water and dust.
- **IP 23** protection rated for outside use.
- **Filtered** gas connection to prevent impurities from entering the circuit.
- Complete range of connection cables (optional).
- Fitted with a handle for better portability.

ACCESSORIES



Connection cables

15 m 95 mm² 038349
20 m 95 mm² 038431

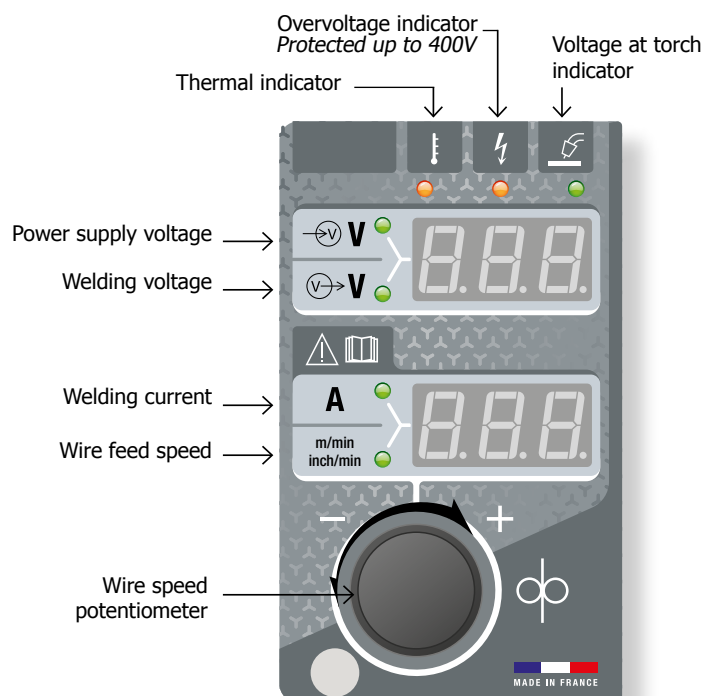









Cables

5 m 95 mm² 032439
10 m 95 mm² 032446



Supplied without accessories



	 Ømm		 Ømm				m/min	équipé d'origine / original equipment / originalausstattung / equipamiento de fabrica	EN60974-5 (40°C)	IP	 cm/kg
	GAS	NO GAS	200	300							
U ₁											
17 Vdc - 113 Vdc 30 Vac - 80 Vac	0.6 1.6	0.9 / 1.0 2.4	✓	✓	 100 W	1.0 24.0		1.6 cored wire	425 A @ 60% 300 A @ 100%	23	60x22x43 / 14.6

The EXATIG is a high frequency (HF) generator for TIG welding on a range of DC current generators. Optimized for the EXAGON 400 CC/CV. The EXATIG allows HF arc ignition, gas synchronization, torch management and gas flow.

USER-FRIENDLY

Extremely **easy to use** and operates directly from the power source without the need for an auxiliary power cable.

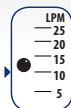
COMPATIBLE WITH ALL DC GENERATORS

HF starting for non-pulsed DC TIG welding from any current generator. (PROGYS or other...)

Features :

- ✓ Pre-gas and post-gas fixed but internally modifiable.
- ✓ 2T/4T torch management
- ✓ HF ignition
- ✓ A **flowmeter** is integrated into EXATIG giving the operator the possibility to adjust the gas debit (argon) directly.

Possibility of flow adjustment: 5-25 LPM (litre per minute).



OPTIMISED FOR EXAGON

The connection with the EXAGON allows to obtain all the TIG functions and to weld in **HF** or **TIG Lift**.

Functions :

- **Pre-gas/Post-gas**: complete management of the welding cycle.
- **TIG DC** : continuous current for ferrous metals..
- **TIG DC Pulse** : reduces heat distortion of the workpiece. (Only on EXAGON 400 CC/CV).
- **2 types of start-up** : HF (without contact) or LIFT (with contact) for electro-sensitive environments.
- **2 trigger management**: 2T and 4T.
- **Automatic detection of the torch** : compatible with trigger, double button and potentiometer torches.
- Remote adjustment of the current with the potentiometer torch.



Réf. 010925

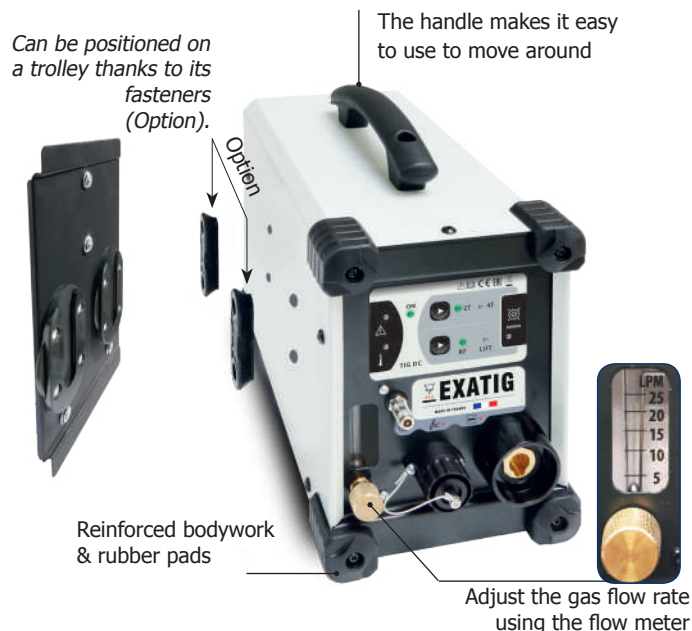
Settings :

- pre-gas / post-gas
- rise time
- welding current
- hot / cold current
- pulse frequency
- fading time



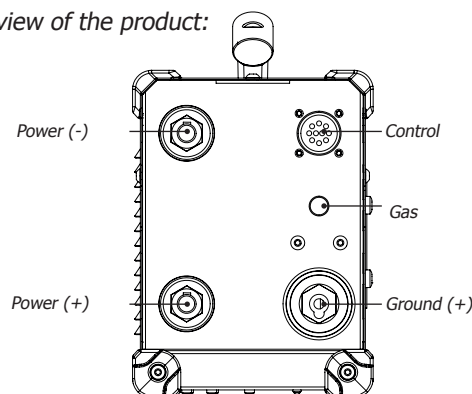
- ✓ Connection to the EXAGON (**PLUGGED**):
- Operation indicator light.

PORTABLE & ROBUST

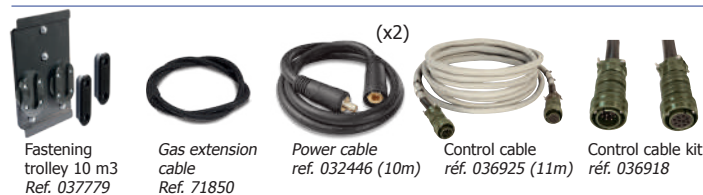


EXATIG CONNECTION

Rear view of the product:






ACCESSORIES



MMA

MMA welding can be done directly by disconnecting the negative power cable and connecting the electrode holder to it, leaving the ground clamp in place.

U ₁	TIG I ₂	EN60974-1 (40°C)			 : \updownarrow / \updownarrow cm/kg  : \updownarrow / \updownarrow cm/kg	 Protected & compatible POWER GENERATOR (+/- 15%)	
		X% (I ₂ max)	I _A (60%)	I _A (100%)			
14 - 100 V	400 A	25%	270 A	220 A	34 x 26 x 16 cm / 6,5 kg 45 x 35 x 20 cm / 8 kg	9 kVA max.	

Ideal for maintenance work, the CUTTER 35KF is benefits from Inverter technology.

Internal air compressor

With its internal compressor, the plasma 35KF does not require an external supply of compressed air.

Quality cutting without distortion

The plasma 35KF allows high quality cutting even on painting surfaces:

- Up to 15 mm steel, stainless steel and cast iron.
- Up to 10 mm aluminium and copper.

No HF Start

With the « Pilot Arc » system, the arc starts without having any contact with the welding sheet. Starting without HF avoids any electromagnetic interference (radio, computers, phones, medical equipment, etc...).

Easy to use, fast and safe

- Torch: 4m with safety trigger to avoid accidental start.
- Internal compressor (noise): 60/70 Db.



Reinforced protection for the use with generators and against permanent overvoltage up to 400V (factory tested).

PFC

PFC feature: Power factor correction: regulates and uses the power supply more efficiently.

AD

It is equipped with an anti-dust fan system which protects the electronics from dust.



Supplied with :

2 m
10 mm²MT 35 K
4 m

ref. 031036

✓

✓

PERFORMANCE

Capacity	Thickness
Separation	15 mm
Clean cut	10 mm

Accessories and consumables










Consumables box
039964



Compass kit
040205



PLASMA 600 trolley
040298

 50/60hz	 16A	 min>max	 Max cut		 Clean cut		Air system			EN60974-1 (40°C)		 cm/kg		
			Acier Steel	Alu	Acier Steel	Alu	Presure bar	L / min	Kompressor inside	I _A (100%)	X% (12 max)			
230V	16A	10>35A	15	10	10	8	included		✓	28A	30A 60%	28x52x46 / 30	8 kW	10 kVA

The CUTTER 45 CT is a 45 A plasma cutter equipped with the TPT 40 torch as standard, it offers a clean cutting capacity of 15 mm thick on a multitude of materials. The HF-free arcing system preserves and increases the lifetime of consumables. Designed to be used in difficult environments, it has a very robust mechanics and a user friendly control panel.

MAXIMUM PRODUCTIVITY

- Faster cutting speed **using oxygas**.
- **Cuts all types of steel** (mild, stainless, tempered, HLE), aluminium, copper, etc.
- **Optimised cooling** using the ventilation corridor that helps insulating the electronic components from the dust.
- Consumables setting up is easy for maximum productivity.
- Duty cycle 41 A at 60 % (40°C).

■ **FV**

Flexible Voltage Hose (85 to 265V), accepts very long network connections (100 m).

■ **PFC**

PFC technology, the electrical network is better exploited and allows an energy saving of 30%.

TORCH TPT 40 (4 m)

- **Disconnectable torch** for easy storage and replacement.
- **Effective cutting**: air cooled torch body for a high arc stability at the different paces.
- **Easy to use** trigger mechanism for more **safety**.
- Designed to be **shock and heat resistant**.

EFFECTIVE IN EVERY WORKPLACE

- **User friendly interface** :
- 3 working modes : plain metal sheet / open metal sheet / locked
- manual setting of the air pressure using front screen chart.
- **HF-free ignition** to prevent disturbances that could damage nearby electronic equipment.
- **Compatible with CNC** kit for automatic cutting tables.
- **Disconnectable earth** cable for easy storage and replacement.

DESIGNED TO LAST

- **Reinforced metal case** & non slip rubber pads.
- **IP 23** certified for external use.
- Compact & portable.

ACCESSORIES & CONSUMABLES (options)



Consumables box
for Torch TPT 40
45 A - 039957



Compass kit
for Torch TPT 40
040205



Trolley
for Torch TPT 40
040199



Supplied with :

2 m
10 mm²

TPT 40
4 m

ref. 013629

✓

✓

PERFORMANCES

Capacity **Max. thickness**

Separation 20 mm

Clean cut 15 mm

Piercing 8 mm

			I ₂	mm (max)						AIR SYSTEM		EN 60974-1 (40°C)			IP	
				Piercing		Clean cut		Separation		Input Pressure (bar)	L/min					
	50/60 Hz	A	A	Fe	Al/CrNi	Fe	Al/CrNi	Fe	Al/CrNi	5.5 → 7	115	X (40°C)	48 x 37 x 23	15	IP 23	10.5 kW
	110 V 1~	32	15 → 30	5	3	10	8	15	10			21 A @ 60%				
	230 V 1~	16	15 → 45	8	5	15	10	20	15		185	41 A @ 60%				

The **CUTTER 70 CT** is a **70 A** plasma cutter with a cutting capacity of **35 mm** thick on a multitude of materials. The **HF-free** arcing system preserves and increases the lifetime of consumables. Designed to be used in difficult environments, it has very robust mechanics and a user friendly control panel. It is pre-wired for use on automatic cutting tables.

MAXIMUM PRODUCTIVITY

- Faster cutting speed using oxygas.
- Cuts all types of steel (mild, stainless, tempered, HLE), aluminium, copper, etc.
- Optimised cooling using the ventilation corridor that helps isolate the electronic components from the dust.
- Replacement of consumables is fast & easy for maximum productivity.
- Duty cycle 70 A at 60 % (40°C).

HIGH-PERFORMANCE TORCH

- Premium torch **TECMO®** (leading supplier in Europe).
- Premium cutting quality : the torch is air cooled offering a great arc stability for all types of work.
- Consumables compatible with **Hypertherm®**.
- Designed to be shock and heat resistant.
- Quick connect/disconnection of the torch, no tools required for transport or maintenance.
- Easy to use trigger mechanism for added comfort.

EFFECTIVE IN EVERY WORKPLACE

- **User friendly interface :**
 - 3 working modes : Cutting / Mesh / locked
 - manual setting of the air pressure (4.1 < 6.5 bars) using front LED Indicator.
- **HF-free ignition** to prevent disturbances that could interfere with nearby electronic equipment.
- **Compatible with CNC kit** for automatic cutting tables.



DESIGNED TO LAST

- Reinforced metal case & non slip rubber pads.
- IP 23 protection rated.
- Compact and Portable.

ACCESSORIES & CONSUMABLES (OPTIONS)







For use on cutting table:



Supplied with :		
ref. 013636	✓	-
ref. 013841	✓	✓

PERFORMANCE

Capacity	Thickness
Separation	35 mm
Clean cut	25 mm
Piercing	15 mm
Capacity	Removal rate
De-gouging	4.8 kg/h

			I_2	 mm (max)						INTEGRATED TECHNOLOGY		AIR SYSTEM		EN 60974-1 (40°C)			IP	 Protected & compatible power generator (+/-15%)
	50/60 Hz	A	A	Piercing		Clean cut		Severance cut		AD	KOMPRESSOR INSIDE	Pressure (bar)	L/min	X (40°C)	cm	kg		
				Fe	Al/CrNi	Fe	Al/CrNi	Fe	Al/CrNi									
	400V 3~	16	20 → 70	15	12	25	18	35	25	.	—	5 → 9	185	70 A @ 60%	52 x 40 x 26	22	IP 23	15 kW

Powerful and efficient, the CUTTER 85A is a plasma cutter for professionals who wish to quickly cut metal up to a 40mm in thickness and other materials. The high duty cycle, its high cutting performance and its latest generation torch help to make the CUTTER 85A a top of the range tool for cutting and gouging in the industrial environment.

MAXIMUM PRODUCTIVITY

- **Faster cutting** speed with oxygas.
- **Cuts all types of steel** (*mild, stainless, tempered, HLE*), aluminum, copper, etc.
- **Optimised cooling** thanks to the air-tight ventilation corridor that helps insulating the electronic components from the dust.
- Consumable setup is easy for maximum efficiency.
- **CNC kit available** for automatic cutting tables.

NEW GENERATION TORCH (option)

- **Superior cutting quality**, new air cooled torch offering a great arc stability for all paces.
- **Large choice of consumables** adapted for all metal thicknesses.
- **Ergonomic torch** for better comfort during long cutting sessions.
- Engineered **to withstand impacts and heat**.

SIMPLE TO USE

- **Intuitive TFT 3,5"** screen for better legibility.
- **4 modes**: Full metal sheet / mesh metal sheet / gouging / locking
- **Automatic air pressure** management for simpler settings and longer consumables lifetime.
- Automatic detection of the connected torch (*manual or auto*).
- **No HF strike** to prevent perturbations that could damage nearby electronic equipment.

STURDY

- Slip pads to resist impacts.
- IP 23 for outside use.



Supplied with	4 m 10 mm ²	MT 125 6 m
ref. 029880	✓	-
ref. 029996	✓	✓

PERFORMANCE

Capacity	Thickness
Separation	40 mm
Clean cut	30 mm
Piercing	18 mm

ACCESSORIES & CONSULMABLES

For use on cutting table :



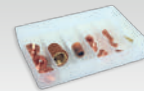
CNC kit
Ref. 039988



AT-125 auto Torch
130A (60%)
12m - ref. 039520










Trolley +
Balancing system
ref. 039575



Consumables box
For MT-125 manual Torch
45/65/85A - ref. 039537
105/125A - ref. 039544



MT-125 manual Torch
130A (60%)
6m - ref. 039506
12m - ref. 039513

			I ₂	 mm (max)						INTEGRATED TECHNOLOGY		AIR SYSTEM		EN 60974-1 (40°C)			IP	  Protected & compatible power generator (+/-15%)			
	50/60 Hz	A		A	Piercing		Clean cut		Separation												
				Fe	Al/CrNi	Fe	Al/CrNi	Fe	Al/CrNi												
	400V _{3~}	32	25 ÷ 85	18	15	30	25	40	30	.	—	5 → 9	270	85A @ 60%	62 x 44 x 30	32	IP 23	20 kW	25 kVA		



Powerful and efficient, the CUTTER 125A is a plasma cutter for professionals who wish to quickly cut metal up to a 57mm in thickness and other materials. The high duty cycle, its high cutting performance and its latest generation torch help to make the CUTTER 125A a top of the range tool for cutting and gouging in the industrial environment.

MAXIMUM PRODUCTIVITY

- **Faster cutting** speed with oxygas.
- **Cuts all types of steel** (*mild, stainless, tempered, HLE*), aluminum, copper, etc.
- **Optimised cooling** thanks to the air-tight ventilation corridor that helps insulating the electronic components from the dust.
- Consumable setup is easy for maximum efficiency.
- **CNC kit available** for automatic cutting tables.

NEW GENERATION TORCH (option)

- **Superior cutting quality**, new air cooled torch offering a great arc stability for all paces.
- **Large choice of consumables** adapted for all metal thicknesses.
- **Ergonomic torch** for better comfort during long cutting sessions.
- Engineered **to withstand impacts and heat**.



Supplied with earth clamp
(4m, 16 mm²)

SIMPLE TO USE

- **Intuitive TFT 3,5"** screen for better legibility.
- **4 modes:** Full metal sheet / mesh metal sheet / gouging / locking
- **Automatic air pressure** management for simpler settings and longer consumables lifetime.
- Automatic detection of the connected torch (*manual or auto*).
- **No HF strike** to prevent perturbations that could damage nearby electronic equipment.

STURDY

- Slip pads (*Hardness : 60 Shore A*) to resist impacts.
- IP 23 for outside use.

PERFORMANCE

Capacity	Thickness
Separation	57 mm
Clean cut	40 mm
Piercing	25 mm
Capacity	Withdrawal rate
De-gouging	12 kg/h

ACCESSORIES & CONSULMABLES

For use on cutting table :



CNC kit
Ref. 039988

+



AT-125 auto Torch
130A (60%)
12m - ref. 039520










Trolley +
Balancing system
ref. 039575



Consumables box
For MT-125 manual Torch
45/65/85A - ref. 039537
105/125A - ref. 039544



MT-125 manual Torch
130A (60%)
6m - ref. 039506
12m - ref. 039513

			I ₂	 mm (max)						INTEGRATED TECHNOLOGY		AIR SYSTEM		EN 60974-1 (40°C)			IP	  Protected & compatible power generator (+/-15%)			
	50/60 Hz	A		A	Piercing		Clean cut		Separation												
				Fe	Al/CrNi	Fe	Al/CrNi	Fe	Al/CrNi												
	400V _{3~}	50	25 → 125	25	25	40	40	57	57	.	—	5 → 9	270	125A @ 100%	31 x 71 x 49	40	IP 23	30 kW	36 kVA		

This portable spot welding system is ideal for assembling thin mild steel sheets, such as metal furniture or for vehicle restoration. The Portaspot features an intuitive microprocessor controlled keypad which makes the product very easy to use.

FEATURES

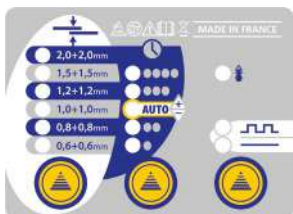
- Synergic adjustment : By selecting the thickness of the metal sheets to be joined the PORTASPOT automatically sets the current and the optimum spot welding time. (note : it is also possible to manually adjust the spot welding time)
- Able to weld metal sheets in the range 0.6 + 0.6mm to 2.0 + 2.0mm (ideal for 1.2 + 1.2mm).
- Operates in continuous or pulse spot welding mode (for harder steels or metal sheets with specific protective coatings).
- Adjustable clamping force from 30daN to 120daN (with arm L= 110 mm, PX1)
- Insulated thermal handle
- Single phase 230V - 16A
- Maintenance free
- Thermal protection.
- **Delivered with the arms PX1**



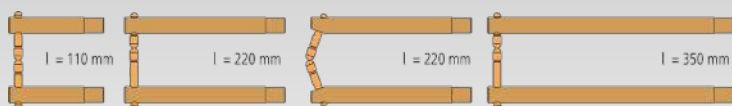
DISPLAY KEYPAD



Easy to use



ARMS



PX1 (included)
047945

PX2
047938

PX3
047921

PX4
047914

ELECTRODES AND CAPS



EX40
047884



EX60
047891



EX80
047907



Caps type F (x6)
049970

ACCESSORIES



Blade
052857

Cap grinder
048966



Caps remover
050846

Simple Auto mode	Number of spots before first cut from cold start	Nombre de points entre deux coupures à chaud
0,6 mm + 0,6 mm	139	27
0,8 mm + 0,8 mm	93	23
1 mm + 1 mm	60	15
1,2 mm + 1,2 mm	42	10
1,5 mm + 1,5 mm	26	8
2 mm + 2 mm	16	4

Multiple Auto mode	Number of spots before first cut from cold start	Number of spots between two cuts after start
0,6 mm + 0,6 mm	50	12
0,8 mm + 0,8 mm	37	9
1 mm + 1 mm	30	8
1,2 mm + 1,2 mm	24	7
1,5 mm + 1,5 mm	19	5
2 mm + 2 mm	11	3

	50/60hz	16A	I _{2CC}	I _{2p}	mm	U ₂₀	IP	Cable ↔ m	Ø mm ²	100% CU	36x29x10 cm	10 kg
	1 x 230V	16A	6 300A	700A	2+2 mm	2.45V	20	2.5	3x2.5	OK		

The **PROMAX 9-13 G** is a compact and lightweight protection, ideal against light radiation, incandescent projections and welding or grinding sparks. Fully automatic, the mask switches from clear to tinted state in a fraction of a second as soon as it is primed. Comes with a headband, it frees the welder's hands and offers all the necessary comfort for welding work.

CARACTERISTICS

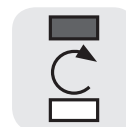
- Clear shade 4 with variable 9-13 settings
- Protection UV/ IR protection DIN 15
- Exterior settings : shades or grinding (Grind)
- Fast reaction speed 0.25 ms.
- Interior settings : sensitivity, delay.

TECHNICAL DATA

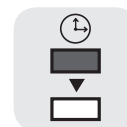
Protection UV/IR	DIN 15
Classification	1/1/1/2
Clear shade	4
Dark shade	9 > 13
Reaction speed	0,25 ms
Back to clear speed	0,15 > 0,8 sec
Field of vision	100 x 49 mm
Power supply	solar
Weight	460 g
Settings	Sensibility, delay, shade, grinding
Light sensors	2
Applications	MMA 5 ▶ 400 / TIG 5 ▶ 300 / MIG-MAG 5 ▶ 400
Standards	CE / EN 175F / EN 166 / EN 379



Delivered with headband



Sensibility



Delay



Shade

Grinding

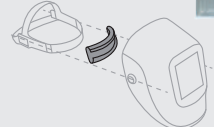
OPTIONS

Carry bag for helmet welding
043299

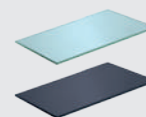




Antiperspirant - headband

043466
x2



Lenses



			
226x 106 (x5)	045781	104 x 55 (x5)	040847

ZEUS COSMIC 5-9/9-13 G



REF.044104

Essential for safety, the ZEUS 5-9/9-13 G optoelectronic hood protects the welder's face and eyes from UV, infrared and splashes. Fully automatic, the mask switches from clear to tinted state in a fraction of a second as soon as it is primed. Comes with a headband, it frees the welder's hands and offers all the necessary comfort for welding work.

CHARACTERISTICS

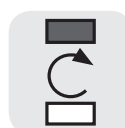
- XL screen
- High sensitivity thanks to 4 sensors
- TIG welding > 2A
- External adjustment: shades or grinding
- Interior setting: sensitivity, delay
- Active filter: shades 5-9 / 9-13
- Range 5-9: special low intensity

TECHNICAL DATA

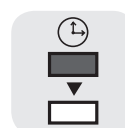
Protection UV/IR	DIN 15
Classification	1/1/1/2
Light shade	4
Dark shade	5 >9 - 9 >13
Reaction time	0,20 ms
Time to return to clear state	0,15 > 0,8 sec
Viewing area	100 x 67 mm
Power supply	solar + batteries (CR2450)
Weight	560 g
Settings	Sensitivity, delay, shade, grinding
Light sensor	4
Applications	MMA 5 ▶ 400 / TIG 2 ▶ 300 / MIG-MAG 5 ▶ 400
Standards	CE / EN 175F / EN 166 / EN 379



Delivered with a headband



Sensitivity



Delay



Shade

Grinding

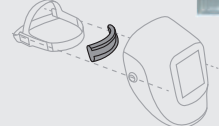
OPTIONS

Carry bag for helmet welding
043299



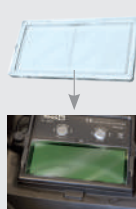
Antiperspirant - headband

043466
x2

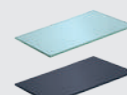


zoom x2

Magnifying glass
for Zeus, Spaceview,
Ergotech & Alien
True Color
x1
042780



Lenses



114 x 133 (x10)	103,7 x 69,5 (x5)
043893	043695

Essential for safety, the GYSMATIC 9-13 G optoelectronic hood protects the welder's face and eyes from UV, infrared and splashes. Fully automatic, the mask switches from clear to tinted state in a fraction of a second as soon as it is primed. Comes with a headband, it frees the welder's hands and offers all the necessary comfort for welding work.

CHARACTERISTICS

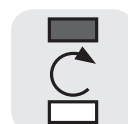
- Adjustable tint 9-13
- Wide field of view
- High sensitivity thanks to 4 sensors.
- UV/ IR protection DIN 15
- External settings : shades or grinding (Grind)
- Interior settings : sensitivity, delay, color tester.

TECHNICAL DATA

Protection UV/IR	DIN 15
Classification	1/1/1/2
Clear shade	4
Dark shade	9 > 13
Reaction speed	0,08 ms
Back too clear speed	0,10 > 0,9 sec
Field vision	100 x 60 mm
Power supply	solaire + 2 piles (CR 2032)
Weight	580 g
Settings	Sensitivity, delay, shade, grinding
Light sensor	4
Applications	MMA 5 ▶ 400 / TIG 5 ▶ 250 / MIG-MAG 5 ▶ 400
Standards	CE / EN 175B / EN 166 / EN 379



Delivered with a headband



Sensitivity



Delay



Shade

Grinding

OPTIONS

Carry bag
for helmet welding
043299

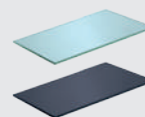


Antiperspirant - headband

043466
x2



Lenses



114 x 133 (x10) 043893	106 x 66 (x10) 043886

GYSMATIC TRUE COLOR 5.13 AIR [XXL]



Ref. 047846

The GYSMATIC 5/13 AIR XXL is an air-fed welding helmet. 2 in 1, it protects the user's eyes from IR/UV and the user's respiratory system during welding operations.

WELDING HELMET

- **Optimal visibility** : XXL screen (100 x 83 mm)
- Touch sensitive button (*sensitivity / delay / shade / saved settings*).
- Can save up to 3 settings.
- 4 sensors for improved performance.
- TIG welding > 2 A.
- 7 different shades (5>13) for all welding and cutting operations.
- **TRUE COLOR technology**



RESPIRATORY PROTECTION

Suited for difficult working conditions, with concentrated fumes and gas emissions:

- Filter class : TH2PRSL
- **Digital display** for battery life and filter saturation state.
- **3 air flow modes** : 170 l/min, 200 l/min and 230 l/min.
- The motor/filterpack is attached to a waist belt.
- **Alarm** (*Obstructed filter / low battery*).
- Up to 12h battery life (*lithium battery*), perfectly suited for extended welding sessions.
- Compact and sturdy, fitted with a spark arrestor.
- **Large carrying bag** for the helmet and its respiratory unit.

Supplied with :

- GYSMATIC 5.13 XXL + welding hood
- The respiratory protection system (*motor + filter + waist belt*)
- lithium-ion battery + charger
- shoulder harness / air flowmeter / carrying bag

Standard LCD screen

True colour LCD Technology



► HELMET

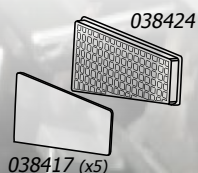
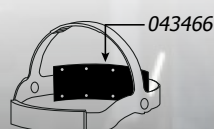
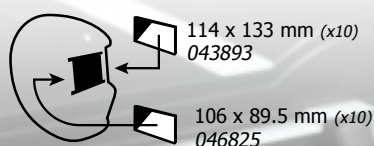
Classification	1/1/1/1
Clear shade	4
Dark shade	5-13
Reaction speed	0.1 ms
Time back to clear state	adjustable
Field of vision	100x83 mm
Power supply	solar + battery (CR2450)
Weight	836 g
Settings	Sensitivity, delay, shade, grinding, settings
Light sensor	4
Applications	MMA 5>400 / TIG 2>300 / MIG-MAG 5>400
Standards	CE / EN 166 / EN 175 / EN 379 / EN 12941

► RESPIRATORY PROTECTION

Air flow	170 l/min
	200 l/min
	230 l/min
Battery life*	> 12h
	> 11h
	> 9h
Airtight	98 % (TH2)
Filter effectiveness	99,996 % to 0,3 µm
Noise	73 dB max
Charge time	3 - 4 h
Battery type	Li-ion
Waist belt size	900 mm - 1300 mm
Weight	1.7 kg
Standard	EN 12941

*The battery life depends on the selected mode and filter cleanliness.

► CONSUMABLES





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