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INVEST IN THE FUTURE



French manufacturer  
since 1964



# Selection of welding machines

Professional & Industrial





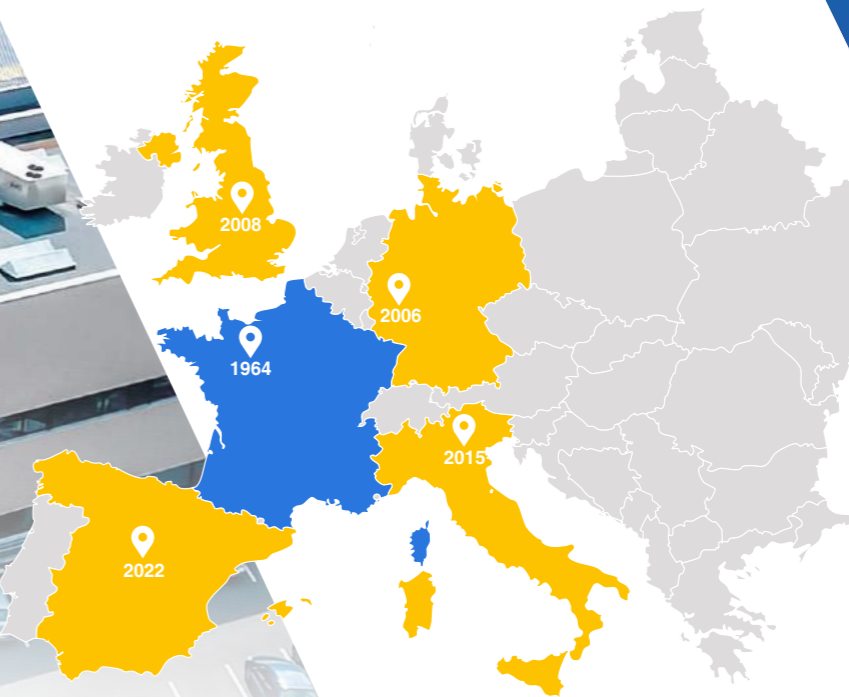
Visit of the French factory

## A SOLID FAMILY GROUP

Created in 1964, GYS is a French industrial group with 900 employees around the world. Built around continuous investment in Research & Development and in the acquisition of knowledge, the company is now a major player in the design and manufacture of welding machines, battery chargers and car body repair equipment.

“ The market realities are constantly changing and the size of our family business requires us to quickly adapt to new contexts and new challenges.

We are convinced that our future is closely linked to the future of our partners. This is why we do everything in our power to understand what distributors and users expect from us and what challenges they face every day. To support them in facing these challenges, we wish to become and remain their privileged partner on the path we will travel together. ”



Nicolas & Bruno Bouygues



# INVEST IN THE FUTURE

Employees x 900

Turnover 2021 125 million €

2 production factories

1 global logistics platform

6 subsidiary offices



## 100% INTEGRATED MANUFACTURING
























Visiting our production site is an amazing journey through an incredible variety of trades (electronics, mechanics, transformers, spinning, sheet metal work, painting...). Our philosophy is based on the complete integration of our production process in order to control the smallest details.

This industrialization in ISO 9001 and ISO 14001 certified workshops offers our customers great flexibility and increased reactivity. The investment and the continuous improvement of the performance of this production tool are our reason to live, because we consider that this is the guarantee of our competitiveness of tomorrow.



 Visit of the French factory

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55 000 m<sup>2</sup>  
of industrial space

  
3 300  
references in stock

  
1 000 000 products  
shipped each year

  
1 service center  
20 repair technicians



# M M A



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## GYSARC 220 FV CEL



The GYSARC 220 FV CEL combines the latest welding technology with an intuitive user interface. Fitted with integrated PFC (power factor correction) technology, it means the appliance can be used with power cables up to 100 m long. Its cutting-edge FV (flexible voltage) technology ensures that the arc is always stable, even with mains voltage variations (85 - 265 V) or when supplied by a power unit. Its ignition dynamics allow it to very reliably weld all types of electrode up to Ø 6 mm, even cellulosic ones, in a vertical-up or vertical-down position.

- **MMA welding:** welds all rutile, basic, stainless steel, cast iron and cellulosic electrodes (up to Ø 6 mm)
- **PULSED MMA welding:** ideal for vertical-up welding. The frequency can be adjusted
- **DC TIG welding with Arc-Lift ignition** (Ø 1.6 - 3.2 mm)
- **PULSED Arc-Lift TIG welding:** limits the melting temperature and allows sheet metal to be welded from just 0.3 mm
- Three separate welding-assistance systems: Hot Start (adjustable), Arc Force (adjustable) and Anti-Stick
- The current/voltage is displayed during the welding process
- A VRD (voltage reduction device) can be enabled to reduce the no-load output voltage to 20 V



Two-year warranty



Product sheet

### Specifications

Power Supply	Fuse	Max. welding current	
110/230 V single phase, 50/60 Hz	16 A (230 V) 32 A (110 V)	220 A	
MMA current range	TIG current range	No-load voltage	
10 - 220 A (230 V) 10 - 120 A (110 V)	5 - 220 A (230 V) 5 - 140 A (110 V)	80 > 86 V (< 20 V VRD On)	
Duty cycle (40°C ambient temperature)			
MMA (230 V/16 A) 220 A/28.8 V @ 20% 130 A/25.2 V @ 60% 100 A/24 V @ 100%	MMA (110 V/32 A) 120 A/24.8 V @ 30% 90 A/23.6 V @ 60% 70 A/22.8 V @ 100%		
TIG (230 V/16 A) 220 A/18.8 V @ 25% 150 A/16 V @ 60% 110 A/14.4 V @ 100%	TIG (110 V/32 A) 140 A/15.6 V @ 40% 120 A/14.8 V @ 60% 100 A/14 V @ 100%		
Dimensions L x W x H	42 x 21 x 35 cm	Weight	10.5 kg
Protection rating	IP23	Standards	IEC 60974-1/10 A



### Ordering information

GYSARC 220 FV CEL with accessories  
Electrode holder (200 A/3 m) and earth cable (200 A/3 m/25 mm²) 065529



## GYSARC TRI



Fitted with inverter technology, the GYSARC TRI machines are three-phase, MMA/TIG welding units boasting an exceptional welding performance. Designed around robust electronics, these workstations offer manufacturers maximum productivity, even in the most challenging environments.

- **MMA welding:** weld with rutile, basic and cellulosic electrodes (up to Ø 6 mm)
- **Arc gouging** with a carbon electrode (up to Ø 6.5 mm)
- **DC TIG** welding with Arc-Lift ignition (Ø 1.6 - 3.2 mm) Automatic, fixed-time arc fade
- Three separate welding-assistance systems: Hot Start (adjustable), Arc Force (adjustable) and Anti-Stick
- Current/voltage displayed during the welding process
- A VRD (voltage reduction device) can be enabled to reduce the no-load output voltage to 20 V



Two-year warranty



Product sheet



### Additional functionality

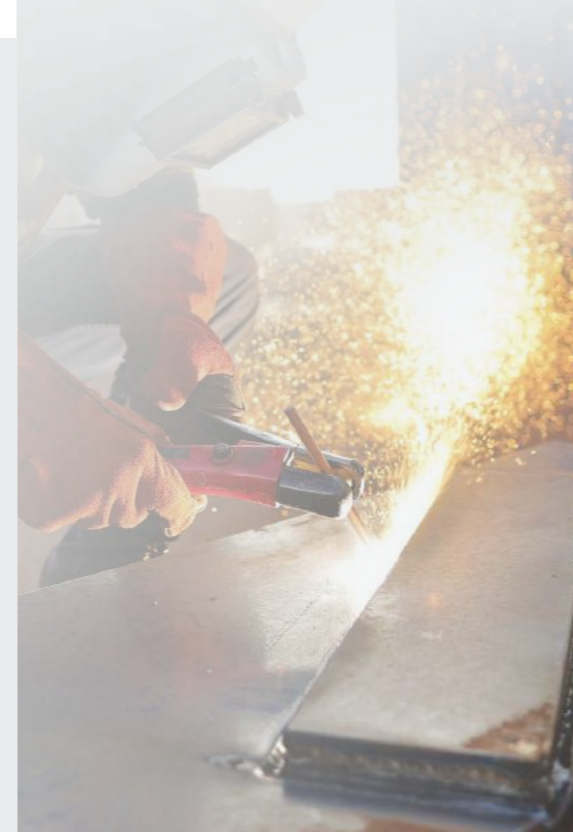
- Optional remote control (manual)
- IP 23 class for outdoor use
- Possibility of slinging

### Specifications

	GYSARC 300 TRI	GYSARC 400 TRI		
<b>Power Supply</b>	400 V, three phase, 50/60 Hz	400 V, three phase, 50/60 Hz		
<b>Fuse</b>	20 A	32 A		
<b>Current range</b>	MMA			
	TIG			
	20 - 300 A	20 - 400 A		
<b>Duty Cycle</b> (40°C ambient temperature)	MMA	@ 60%	300 A/32 V	400 A/36 V
		@ 100%	230 A/29.2 V	350 A/34 V
	TIG	@ 60%	300 A/22 V	400 A/26 V
		@ 100%	230 A/19.2 V	350 A/24 V
<b>No-load voltage</b>	83 V (< 20 V VRD On)	84 V (< 20 V VRD On)		
<b>Protection rating</b>	IP 23	IP 23		
<b>Dimensions L x W x H</b>	54 x 46 x 28 cm	58 x 52 x 30 cm		
<b>Weight</b>	25.5 kg	37.5 kg		
<b>Standards</b>	IEC 60974-1/10 A	IEC 60974-1/10 A		

### Ordering information

GYSARC 300 TRI without accessories	064959
GYSARC 400 TRI without accessories	013551







## PROGYS 180A



The PROGYS 180A is a simple-to-use, easily transportable, electrode-welding workstation complete with inverter technology. The welding settings will automatically adjust themselves when selecting which size of electrode is to be used. It boasts three features to facilitate the user's work: Hot Start, Arc Force and Anti-Stick support the operator from the beginning to the end of the welding process.

- **MMA welding:** weld with rutile, basic, stainless steel and cast iron electrodes (up to Ø 4 mm)
- Three separate welding-assistance systems: Hot Start, Arc Force and Anti-Stick
- Security safeguards: overcurrent thermostatic and under / overvoltage
- Easy to use
- Unrestricted mobility for the welder (5 kg)
- Protected against overvoltage up to 400 V (PROTEC 400)

MADE IN FRANCE



Two-year warranty



Product sheet

### Specifications

Power Supply	Fuse	MMA current range	TIG current range	Max. welding current	No-load voltage
230 V, single phase, 50 / 60 Hz	16 A	10 - 180 A	-	180 A	72.9 V
Duty cycle (40°C ambient temperature)		Dimensions L x W x H	Weight	Protection rating	Standards
110 A/24.8 V @ 60%	85 A/23.4 V @ 100%	28.5 x 13 x 23 cm	5 kg	IP21	IEC 60974-1/10 A
180 A/27.2 V @ 18%					

### Ordering information

PROGYS 180 with accessories Electrode holder (200 A/2 m/16 mm <sup>2</sup> ) and earth cable (200 A/1.6 m/16 mm <sup>2</sup> and carry case)	031425
PROGYS 180 Pack Electrode holder (200 A/2 m/16 mm <sup>2</sup> ), earth cable (200 A/1.6 m/16 mm <sup>2</sup> ), G IRON TRUE COLOR 9/13 LCD Venus welding mask, rutile electrodes (Ø 2.5 mm x11) and rutile electrodes (Ø 3.2 mm x9)	013742

## PROGYS 183 E



Equipped with the latest in electronic technology, the PROGYS 183E guarantees professional-standard welding on steel, cast iron and stainless steel. Its Pulsed MMA mode means that all electrode types can be reliably welded in a vertical-up direction.

- **MMA welding:** weld with rutile, basic, stainless steel and cast iron electrodes (up to Ø 4 mm)
- **PULSED MMA welding:** ideal for vertical-up welding because the frequency can be adjusted
- **DC TIG** welding with Arc-Lift ignition (Ø 1.6 - 3.2 mm) with automatic arc fade and an adjustable timing feature
- Three separate welding-assistance systems: Hot Start (adjustable), Arc Force and Anti-Stick
- Seven-segment display screen for quickly identifying the set parameters
- Ultra compact (5 kg)
- Protected against overvoltage up to 400 V (PROTEC 400)

MADE IN FRANCE



Two-year warranty



Product sheet

### Specifications

Power Supply	Fuse	MMA current range	TIG current range	Max. welding current	No-load voltage
230 V, single phase, 50 / 60 Hz	16 A	10 - 180 A	10 - 180 A	180 A	72.9 V
Duty cycle (40°C ambient temperature)		Dimensions L x W x H	Weight	Protection rating	Standards
MMA 180 A/27.2 V @ 18%	TIG 180 A/17.2 V @ 25%	14 x 19 x 28 cm	5 kg	IP21	IEC 60974-1/10 A
110 A/24.4 V @ 60%	135 A/15.4 V @ 60%				
85 A/23.4 V @ 100%	100 A/14 V @ 100%				

### Ordering information

PROGYS 183E with accessories Electrode holder (200 A/2 m) and earth cable (200 A/1.6 m/16 mm <sup>2</sup> with carry case)	013803
PROGYS 183E Pack Electrode holder (200 A/2 m) and earth cable (200 A/1.6 m/16 mm <sup>2</sup> ) with TRUE COLOR 9/13 Techno LCD welding mask	064836





## PROGYS 200A PFC



The PROGYS 200A PFC offers welders the greatest flexibility. Fitted with integrated PFC (power factor correction) technology, it means the appliance can be used with power cables up to 100 m long. It boasts three features to facilitate the user's work: Hot Start, Arc Force and Anti-Stick support the operator from the beginning to the end of the welding process.

- **MMA welding:** weld with rutile, basic, stainless steel and cast iron electrodes (up to Ø 5 mm)
- **DC TIG** welding with Arc-Lift ignition (Ø 1.6 - 3.2 mm) with automatic arc fade and an adjustable timing feature
- Three separate welding-assistance systems: Hot Start (adjustable), Arc Force and Anti-Stick
- Seven-segment display screen for quickly identifying the set parameters
- Ideal for use with extension cables
- Protected against overvoltage up to 400 V (PROTEC 400)

MADE IN FRANCE



Two-year warranty



Product sheet

### Specifications

Power Supply	Fuse	MMA current range	TIG current range	Max. welding current	No-load voltage
230 V, single phase, 50 / 60 Hz	16 A	10 - 200 A	10 - 200 A	200 A	96 V (MMA)/87 V (TIG)
Duty cycle (40°C ambient temperature)		Dimensions L x W x H	Weight	Protection rating	Standards
MMA 200 A/28 V @ 20% 120 A/24.8 V @ 60% 90 A/23.6 V @ 100%	TIG 200 A/18 V @ 27% 145 A/15.8 V @ 60% 115 A/14.7 V @ 100%	27 x 21 x 14 cm	9 kg	IP21	IEC 60974-1/10 A

### Ordering information

PROGYS 200A PFC with accessories  
Electrode holder (200 A/2 m) and earth cable (200 A/1.6 m/25 mm<sup>2</sup> and carry case) 031432

## PROGYS 200E FV CEL



The PROGYS 200E FV CEL guarantees a consistently stable electric arc. Fitted with integrated PFC (power factor correction) technology, it means the appliance can be used with power cables up to 100 m long. Its cutting-edge FV (flexible voltage) technology ensures that the arc is always stable, even with mains voltage variations (85 - 265 V) or when supplied by a power unit. Its ignition dynamics allow it to very reliably weld all types of electrodes, even cellulosic ones, in a vertical-up and vertical-down position.

- **MMA welding:** weld with all rutile, basic, stainless steel, cast iron and cellulosic electrodes (up to Ø 6 mm)
- **DC TIG** welding with Arc-Lift ignition (Ø 1.6 - 3.2 mm) with automatic arc fade and an adjustable timing feature
- Three separate welding-assistance systems: Hot Start (adjustable), Arc Force (adjustable) and Anti-Stick
- Seven-segment display screen for quickly identifying the set parameters
- Ideal for use with extension cables
- Protected against overvoltage up to 400 V (PROTEC 400)

MADE IN FRANCE



Two-year warranty



Product sheet

### Specifications

Power Supply	Fuse	MMA current range	TIG current range	Max. welding current	No-load voltage
110/230 V single phase, 50/60 Hz	16 A (230 V) 32 A (110 V)	10 - 200 A (230 V) 10 - 120 A (110 V)	5 - 200 A (230 V) 5 - 140 A (110 V)	200 A	108 V
Duty cycle (40°C ambient temperature)				Protection rating	Standards
MMA (230 V/16 A) 200 A/28 V @ 25% 135 A/25.4 V @ 60% 115 A/24.6 V @ 100%	MMA (110 V/32 A) 120 A/24.8 V @ 35% 100 A/24 V @ 60% 90 A/23.6 V @ 100%	TIG (230 V/16 A) 200 A/18 V @ 35% 165 A/16.6 V @ 60% 135 A/15.4 V @ 100%	TIG (110 V/32 A) 140 A/15.6 V @ 40% 120 A/14.8 V @ 60% 110 A/14.4 V @ 100%	IP21	IEC 60974-1/10 A
Dimensions L x W x H				Weight	
44 x 37 x 27 cm				9 kg	

### Ordering information

PROGYS 200E FV CEL with accessories  
Electrode holder (200 A/3 m) and earth cable (200 A/3 m/25 mm<sup>2</sup> and carry case) 030862

PROGYS 200E FV CEL without accessories 031852





## PROGYS 220E FV CEL



The PROGYS 220E FV CEL combines the latest welding technology with an intuitive user-interface. Fitted with integrated PFC (power factor correction) technology, it means the appliance can be used with power cables up to 100 m long. Its cutting-edge FV (flexible voltage) technology ensures that the arc is always stable, even with mains voltage variations (85 - 265 V) or when supplied by a power unit. Its ignition dynamics allow it to very reliably weld all types of electrodes, even cellulosic ones, in a vertical-up and vertical-down position

- **MMA welding:** weld with all rutile, basic, stainless steel, cast iron and cellulosic electrodes (up to Ø 6 mm)
- **PULSED MMA welding:** ideal for vertical-up welding because the frequency can be adjusted
- **DC TIG welding** with Arc-Lift ignition (Ø 1.6 - 3.2 mm)
- **Pulsed TIG welding:** limits the melting temperature and allows sheet metal to be welded from just 0.3 mm
- The current/voltage is displayed during the welding process
- The VRD (voltage reduction device) can be switched on to reduce the no-load output voltage to 35 V
- Optional remote control



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Two-year warranty



Product sheet

### Specifications

Power Supply	Fuse	Max. welding current	
110/230 V single phase, 50/60 Hz	16 - 32 A (230 V) 32 A (110 V)	220 A	
MMA current range	TIG current range	No-load voltage	
5 - 220 A (230 V) 5 - 120 A (110 V)	5 - 220 A (230 V) 5 - 140 A (110 V)	77.5 V (< 24 V VRD On)	
Duty cycle (40°C ambient temperature)			
MMA (230 V/16 A) 220 A/28.8 V @ 22% 145 A/25.8 V @ 60% 120 A/24.8 V @ 100%	MMA (230 V/32 A) 220 A/28.8 V @ 25% 175 A/27 V @ 60% 145 A/25.8 V @ 100%	MMA (110 V/32 A) 120 A/24.8 V @ 23% 85 A/23.4 V @ 60% 70 A/22.8 V @ 100%	
TIG (230 V/16 A) 220 A/18.8 V @ 45% 200 A/18 V @ 60% 160 A/16.4 V @ 100%	TIG (230 V/32 A) 220 A/18.8 V @ 50% 215 A/18.6 V @ 60% 200 A/18 V @ 100%	TIG (110 V/32 A) 140 A/15.6 V @ 40% 120 A/14.8 V @ 60% 100 A/14 V @ 100%	
Dimensions L x W x H	40.5 x 34 x 21.5 cm	Weight	12 kg
Protection rating	IP23	Standards	IEC 60974-1/10 A

### Ordering information

PROGYS 220E FV CEL without accessories

014657

Potentiometer for easy setting configurations



Lockable keypad

Store up to 10 welding programs per process

## PROGYS FLEX 280 CEL



The PROGYS FLEX 280 CEL is a global solution to the world's various power networks. It automatically adjusts itself to the network regardless of whether the power supply is single- or three-phase between 110 and 480 V. It provides a practical solution for professionals who can now carry out all electrode and Arc-Lift TIG welding maintenance operations with a single machine.

- **MMA welding:** weld with all rutile, basic, stainless steel, cast iron and cellulosic electrodes (up to Ø 6 mm)
- **PULSED MMA welding:** ideal for vertical-up welding because the frequency can be adjusted.
- **DC TIG welding** with Arc-Lift ignition (Ø 1.6 - 3.2 mm) with automatic arc fade and an adjustable timing feature
- Optional remote control
- Three separate welding-assistance systems: Hot Start (adjustable), Arc Force (adjustable) and Anti-Stick
- Seven-segment display screen for quickly identifying the set parameters
- Ideal for use with extension cables
- IP23 classification for wet environments.



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Two-year warranty



Product sheet

### Specifications

Power Supply	Fuse	MMA current range	TIG current range	Max. welding current	No-load voltage
110/230/400 V single phase, 50/60 Hz three-phase, 50/60 Hz	16 A (110/230/400 V) 20 A (110/230 V) 32 A (110 V)	5 - 140 A (110 V) 5 - 200 A (230 V) 5 - 280 A (400 V)	5 - 140 A (110 V) 5 - 200 A (230 V) 5 - 280 A (400 V)	280 A	100 V
Duty cycle (40°C ambient temperature)					
110 V/single phase	110 V/three phase	230 V/single phase	230 V/three phase	400 V/single phase	400 V/three phase
MMA (32 A) 140 A/25.6 V @ 30% 115 A/24.5 V @ 60% 90 A/23.6 V @ 100%	MMA (32 A) 140 A/25.6 V @ 35% 125 A/25 V @ 60% 100 A/24 V @ 100%	MMA (20 A) 200 A/28 V @ 40% 180 A/27.2 V @ 60% 150 A/26 V @ 100%	MMA (20 A) 200 A/28 V @ 55% 190 A/27.6 V @ 60% 170 A/26.8 V @ 100%	MMA (16 A) 280 A/31.2 V @ 40% 220 A/28.8 V @ 60% 200 A/28 V @ 100%	MMA (16 A) 280 A/31.2 V @ 35% 200 A/28 V @ 60% 170 A/26.8 V @ 100%
TIG (20 A) 140 A/15.6 V @ 60% 110 A/14.4 V @ 100%	TIG (16 A) 140 A/15.6 V @ 60% 140 A/15.6 V @ 100%	TIG (20 A) 200 A/18 V @ 60% 180 A/17.2 V @ 100%	TIG (16 A) 200 A/18 V @ 60% 200 A/18 V @ 100%	TIG (16 A) 280 A/21.2 V @ 65% 250 A/20 V @ 60% 220 A/18.8 V @ 100%	TIG (16 A) 280 A/21.2 V @ 45% 225 A/19 V @ 60% 180 A/17.2 V @ 100%
Protection rating	IP23	Dimensions L x W x H	47 x 43 x 26 cm	Weight	23 kg
Standards	IEC 60974-1/10 A				

### Ordering information

PROGYS FLEX 280 CEL without accessories

013544



# EXAGON 400 CC/CV

7-in-1 multi-processing



The EXAGON 400 CC/CV delivers a maximum power of 400 A. With its 7-in-1, multi-process design, this device brings a new perspective to the traditional welding landscape. It has multiple operating modes: MMA, Pulsed MMA, MIG/MAG, TIG DC with Arc-Lift or HF ignition and arc gouging. Its versatility is reflected in how easy it is to use and how well it performs in all sectors (construction sites, workshops and shipbuilding alongside pipe and pipeline welding).

- MMA welding:** weld with all rutile, basic, stainless steel, cast iron and cellulosic electrodes (up to Ø 6 mm)
- PULSED MMA welding:** ideal for vertical-up welding because the frequency can be adjusted
- DC TIG welding with Arc-Lift ignition** (Ø 1.6 - 3.2 mm)
- Arc gouging** with a carbon electrode (up to Ø 6.5 mm)
- MIG/MAG welding** with solid wire (Ø 0.6 - 1.6 mm) or flux-cored wire (< Ø 2.4 mm), an optional heavy-duty wire-feed reel found in the NOMADFEED carry case will be required for this application
- MIG/MAG welding** with solid wire (Ø 0.6 - 1.6 mm) or flux-cored wire (< Ø 2.4 mm), the wire-feed reel found in the EXAFEED carry case will be required for this application
- DC TIG welding with HF ignition** (the optional EXATIG machine is required for this application)



MADE IN FRANCE



Two-year warranty



Product sheet



## Additional features

- Welding current/voltage displayed for DMOS
- The VRD (voltage reduction device) can be switched on to reduce the no-load output voltage to 35 V
- Optional remote control (foot switch or manual control)
- Can store up to 50 programs per process
- Easy, tool-free software updates via a USB cable
- Lockable keyboard to prevent operating errors
- Three separate welding-assistance systems: Hot Start (adjustable), Arc Force (adjustable) and Anti-Stick
- TIG welding: Automatic arc fade with adjustable timing feature
- Quickly browse the parameter settings
- Reinforced bodywork
- Two steel handles for easy moving and lifting
- IP23 classification for wet environments
- Hermetically sealed ventilation corridor to isolate electronic components from dust

## Specifications

Power Supply	Fuse	Max. welding current	
400 V, three phase, 50/60 Hz	32 A	400 A	
MMA current range	TIG current range	MIG/MAG current range	
20 - 400 A	10 - 400 A	15 - 400 A	
Duty cycle (40°C ambient temperature)			
MMA 400 A/36 V @ 60% 350 A/34 V @ 100%	TIG 400 A/26 V @ 60% 350 A/31.5 V @ 100%	MIG/MAG 400 A/34 V @ 60% 350 A/24 V @ 100%	
Dimensions L x W x H	58 x 52 x 30 cm	Weight	32 kg
Protection rating	IP23	Standards	IEC 60974-1/10 A
No-load voltage	84 V (< 35 V VRD On)		

## Ordering information

EXAGON 400 CC-CV without accessories

010925



Overheating protection and a thermostatically controlled ventilation fan

- MMA WELDING
- PULSED MMA WELDING
- MIG/MAG welding with a voltage-sensing wire-feed reel (NOMADFEED)
- MIG/MAG welding with a specialised workshop wire-feed reel (EXAFEED)
- Arc-Lift DC TIG
- Gouging

Main settings:  
• Current (MMA and TIG)  
• Voltage (MIG/MAG and gouging)

Secondary settings:  
• Arc Force (MMA)  
• Dynamic arc (MIG/MAG)



# EXAGON 400 MV

Multi-voltage 208 > 525 V



EXAGON 400 MV is a multi-voltage welding machine compatible with the various worldwide electrical networks between 208 and 525 V, single or three-phase. With its 7-in-1 multi-process concept, this device brings a new wind in the traditional welding landscape. It has multiple working modes: MMA, MMA Pulse, MIG/MAG, TIG DC with Lift or HF ignition and arc gouging.



**MMA welding:** weld with all rutile, basic, stainless steel, cast iron and cellulosic electrodes (up to Ø 6 mm)

**PULSED MMA welding:** ideal for vertical-up welding because the frequency can be adjusted

**DC TIG welding with Arc-Lift ignition** (Ø 1.6 - 3.2 mm)

**Arc gouging** with a carbon electrode (up to Ø 6.5 mm)

**MIG/MAG welding** with solid wire (Ø 0.6 - 1.6 mm) or flux-cored wire (< Ø 2.4 mm), an optional heavy-duty wire-feed reel found in the NOMADFEED carry case will be required for this application

**MIG/MAG welding** with solid wire (Ø 0.6 - 1.6 mm) or flux-cored wire (< Ø 2.4 mm), the wire-feed reel found in the NEOFEED-carry case will be required for this application

**DC TIG welding with HF ignition** (the optional EXATIG machine is required for this application)

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Two-year warranty



Product sheet



Overheating protection and a thermostatically controlled ventilation fan

### MMA WELDING

- PULSED MMA WELDING
- MIG/MAG welding with a voltage-sensing wire-feed reel (NOMADFEED)
- MIG/MAG welding with a specialised workshop wire-feed reel (NEOFEED)
- Arc-Lift DC TIG
- Gouging

Main settings:  
• Current (MMA and TIG)  
• Voltage (MIG/MAG and gouging)

Secondary settings:  
• Arc Force (MMA)  
• Dynamic arc (MIG/MAG)



## Additional features

- Welding current/voltage displayed for DMOS
- The VRD (voltage reduction device) can be switched on to reduce the no-load output voltage to 35 V
- Optional remote control (foot switch or manual control)
- Can store up to 50 programs per process
- Easy, tool-free software updates via a USB cable
- Lockable keyboard to prevent operating errors
- Three separate welding-assistance systems: Hot Start (adjustable), Arc Force (adjustable) and Anti-Stick
- TIG welding: Automatic arc fade with adjustable timing feature
- Quickly browse the parameter settings
- Reinforced bodywork
- Two steel handles for easy moving and lifting
- IP23 classification for wet environments
- Hermetically sealed ventilation corridor to isolate electronic components from dust

## Specifications

Power Supply	Fuse	Max. welding current	
208>300 V, 1 ph, 50/60 Hz	63 A	270 A	
300>525 V, 1 ph, 50/60 Hz	32 A		
208>300 V, 3 ph, 50/60 Hz	63 A	400 A	
300>525 V, 3 ph, 50/60 Hz	32 A		
MMA current range	TIG current range	MIG-MAG current range	
208> 525 V, 1 ph	208> 525 V, 1 ph	208> 525 V, 1 ph	
15-270 A	10-270 A	10-270 A	
MMA current range	TIG current range	MIG-MAG current range	
208> 525 V, 3 ph	208> 525 V, 3 ph	208> 525 V, 3 ph	
15-400 A	10-400 A	10-400 A	
Duty Cycle (40°C ambient temperature)	Duty Cycle (40°C ambient temperature)		
208> 525 V, 1 ph	208> 525 V, 3 ph		
MMA / TIG / MIG-MAG 270 A à 60% 220 A à 100%	MMA / TIG / MIG-MAG 400 A à 60% 350 A à 100%		
Dimensions L x W x H	66 x 52 x 30 cm	Weight	36 kg
Protection rating	IP23	Standards	IEC 60974-1/10 A
No-load voltage	84 V (< 35 V VRD On)		

## Ordering information

EXAGON 400 MV - without accessories

069718



PROGYS 280 Packs

	TIG	PROGYS FLEX 280 CEL 013544	HF welding unit EXATIG 013780	TIG trigger torch (SR26 L/8 m) 046184	TIG GRIP torch (SR18L DB/8 m) 046177	Earth cable (400 A/ 4 m/50 mm²) 047853	Power cable (5 m/95 mm²) 032439	JOBSITE XL trolley 039568
1	062573	■	■	■	■	■	■	■
2	062580	■	■	■	■	■	■	■
	MIG-MAG	PROGYS FLEX 280 CEL 013544	Wire-feed reel NOMADFEED 036291	MIG/MAG torch (350 A/steel/4 m) 040946	TYPE C, Ø 1/1.2 (original equipment)	Earth cable (400 A/ 4 m/50 mm²) 047853	Power cable (5 m/95 mm²) 032439	JOBSITE XL trolley 039568
1	062559	■	■	■	■	■	■	■
2	062566	■	■	■	■	■	■	■

EXAGON 400 Packs

	MMA	EXAGON 400 CC/CV 010925	EXAGON 400 MV 069718	Electrode holder (500 A/5 m/50 mm²) 046184	Earth cable clamp (500 A/4 m/50 mm²) 046177	Gouging clamp 1,000 A 041516	Gouging clamp cable (5 m) 040670	JOBSITE XL trolley 039568		
1	012387	■	■	■	■	■	■	■		
2	012394	■	■	■	■	■	■	■		
3	012400	■	■	■	■	■	■	■		
1	076235	■	■	■	■	■	■	■		
2	076242	■	■	■	■	■	■	■		
3	076259	■	■	■	■	■	■	■		
	TIG	EXAGON 400 CC/CV 010925	EXAGON 400 MV 069718	HF welding unit EXATIG 013780	TIG trigger torch (SR26 L/8 m) 046184	TIG GRIP torch (SR18L DB/8 m) 046177	Earth cable (400 A/4 m/50 mm²) 047853	Communication cable (11 m) 036925	Power cable (5 m/95 mm²) 032439	JOBSITE XL trolley 039568
1	062573	■	■	■	■	■	■	■	■	■
2	062580	■	■	■	■	■	■	■	■	■
3	062955	■	■	■	■	■	■	■	■	■
1	076266	■	■	■	■	■	■	■	■	■
2	076273	■	■	■	■	■	■	■	■	■
3	076280	■	■	■	■	■	■	■	■	■

	MMA welding current (A)	Mains voltage	Welds with electrodes up to Ø	Welding mode					Cellulosic	Aluminium	IP23	Weight	VRD
				Pulsed MMA	Arc-Lift TIG	HF TIG	MIG/MAG	Gouging					
GYSARC 220 FV CEL 065529	50 100 150 200 250 300 400   220 230 V 120 110 V	230 V 110 V	5 mm	■	■	■	■	■	■	■	10.5 kg	■	
GYSARC 300 TRI 064959	300	400 V	6 mm	■	■	■	■	■	■	■	25.5 kg	■	
GYSARC 400 TRI 013551	400	400 V	6 mm	■	■	■	■	■	■	■	37.5 kg	■	
PROGYS 180A 031425	180	230 V	4 mm	■	■	■	■	■	■	■	5 kg	■	
PROGYS 183 E 013803	180	230 V	4 mm	■	■	■	■	■	■	■	5 kg	■	
PROGYS 200A PFC 031432	200	230 V	5 mm	■	■	■	■	■	■	■	9 kg	■	
PROGYS 200E FV CEL 031852	200 230 V 120 110 V	230 V 110 V	5 mm	■	■	■	■	■	■	■	9 kg	■	
PROGYS 220E FV CEL 014657	220	230 V 110 V	5 mm	■	■	■	■	■	■	■	12 kg	■	
PROGYS FLEX 280 CEL 013544	200 230 V 140 110 V 280 400 V	400 V 230 V 110 V	5 mm	■	■	■	■	■	■	■	23 kg	■	
EXAGON 400 CC/CV 010925	400	400 V	6 mm	■	■	■	■	■	■	■	32 kg	■	
EXAGON 400 MV 069718	3 ph - 400 1 ph - 270	208 V 525 V 1ph / 3 ph	6 mm	■	■	■	■	■	■	■	36 kg	■	

\* EXATIG, high-frequency welding machine required (PN. 013780)  
 \*\* EXAFEED (032408) or NOMADFEED (036291) wire-feed reels required  
 | Duty cycle at 60% (40°C)



# T I G



PROTIG  
p.26



TITAN  
p.32



EXATIG  
p.34



PROTIG AC/DC  
p.36



TIG AC/DC  
p.40



TITANIUM  
AC/DC  
p.44





## PROTIG 161 DC



Ultra-compact and designed specifically for craftspeople and hobbyists, the PROTIG 161 DC ensures high-quality welds on mild and stainless steels thanks to its advanced secondary regulation system. Its intuitive user-interface makes it very easy to change the settings.

- DC TIG welding current from 10 - 160 A
- HF or Arc-Lift ignition
- Trigger management (2T/4T/4T LOG)
- Pulsed mode: allows parts to be assembled while limiting the heat input (pulses up to 100 Hz)
- SPOT welding
- Can store up to 10 programs per process
- Compatible with both trigger and double-button torches
- Overvoltage protected up to 400 V (PROTEC 400)
- MMA welding current from 10 - 160 A
- Welding cycle settings:

- Pre-Gas
- UpSlope
- Welding current
- Cold current
- Pulse frequency
- Downslope
- Post-Gas



MADE IN FRANCE



Two-year warranty



Product sheet

### Specifications

Power Supply	Fuse	TIG current range	MMA current range	Max. welding current	No-load voltage
230 V, single phase, 50 / 60 Hz	16 A	10 - 160 A	10 - 160 A	160 A	92 V
Duty cycle (40°C ambient temperature)		Dimensions L x W x H	Weight	Protection rating	Standards
TIG	MMA	36 x 16 x 28 cm	7.5 kg	IP21	IEC 60974-1/3/10 A
160 A/16.4 V @ 20%	160 A/26.4 V @ 15%				
105 A/14.2 V @ 60%	95 A/23.8 V @ 60%				
95 A/13.8 V @ 100%	80 A/23.2 V @ 100%				

### Ordering information

PROTIG 161 DC with accessories Double-button TIG torch TIG17DB (4 m), consumables box, electrode holder (200 A/2 m) and earth cable (200 A/2 m/25 mm <sup>2</sup> )	062054
PROTIG 161 DC without accessories	066649

## PROTIG 200 DC



The PROTIG 200 DC is the ideal DC TIG welding solution for general construction, installation, repair and maintenance work. Its light weight and compact size is a real advantage for mobile professionals.

- DC TIG welding current from 5 - 200 A
- HF or Arc-Lift ignition
- Trigger management (2T/4T/4T LOG)
- Pulsed mode: allows parts to be assembled while limiting the heat input (pulses up to 900 Hz)
- SPOT welding
- Can store up to 10 programs per process
- Compatible with both trigger and double-button torches
- Overvoltage protected up to 400 V (PROTEC 400)
- MMA welding current from 10 - 160 A
- Welding cycle settings:

- Pre-Gas
- UpSlope
- Welding current
- Cold current
- Pulse frequency
- Downslope
- Post-Gas



Two-year warranty



Product sheet

### Specifications

Power Supply	Fuse	TIG current range	MMA current range	Max. welding current	No-load voltage
230 V, single phase, 50 / 60 Hz	16 A	5 - 200 A	10 - 160 A	200 A	65 V
Duty cycle (40°C ambient temperature)		Dimensions L x W x H	Weight	Protection rating	Standards
TIG	MMA	43.5 x 21.5 x 32.5 cm	10 kg	IP21	IEC 60974-1/3/10 A
200 A/18 V @ 20%	160 A/26.4 V @ 20%				
115 A/14.6 V @ 60%	90 A/23.6 V @ 60%				
90 A/13.6 V @ 100%	70 A/22.8 V @ 100%				

### Ordering information

PROTIG 200 DC with accessories Double-button TIG torch TIG26DB (4 m), consumables box, electrode holder (200 A/2 m) and earth cable (200 A/2 m/25 mm <sup>2</sup> )	062009
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## PROTIG 201 DC FV



The PROTIG 201 DC FV is a versatile, dual-process unit for TIG and MMA welding characterised by its compact and portable design. Its PFC technology offers many benefits, including excellent energy efficiency and the ability to operate reliably with very long power cables of over 100 metres.

- DC TIG welding current from 10 - 200 A
- HF or Arc-Lift ignition
- Trigger management (2T/4T/4T LOG)
- Pulsed mode: allows parts to be assembled while limiting the heat input (pulses up to 2 kHz)
- SPOT welding
- Single-phase, Flexible Voltage (FV) power supply from 85 - 265 V with integrated PFC technology for improved mains operation
- Optional remote control (foot switch or manual control)
- Stores up to 50 programs in TIG mode
- The VRD (voltage reduction device) can be switched on to reduce the no-load output voltage to 30 V
- Overvoltage protected up to 400 V (PROTEC 400)
- MMA welding current between 10 - 200 A
- Welding cycle settings:
  - Pre-Gas
  - UpSlope
  - Welding current
  - Cold current
  - Pulse frequency
  - Downslope
  - Post-Gas



MADE IN FRANCE



Two-year warranty



Product sheet

### Specifications

Power Supply	Fuse	TIG current range	MMA current range	Max. welding current	No-load voltage
110/230 V single phase, 50/60 Hz	16 A (230 V) 32 A (110 V)	10 - 200 A (230 V) 10 - 180 A (110 V)	10 - 200 A (230 V) 10 - 140 A (110 V)	200 A	70 V (< 30 V VRD On)
Duty cycle (40°C ambient temperature)		Protection rating		Standards	
TIG (230 V/16 A)	TIG (110 V/32 A)	MMA (230 V/16 A)	MMA (110 V/32 A)	IP21	IEC 60974-1/3/10 A
200 A/18 V @ 35%	180 A/17.2 V @ 25%	200 A/28 V @ 25%	140 A/25.6 V @ 20%	<b>Dimensions L x W x H</b>	<b>Weight</b>
165 A/16.6 V @ 60%	125 A/15 V @ 60%	135 A/25.4 V @ 60%	100 A/24 V @ 60%		
140 A/15.6 V @ 100%	110 A/14.4 V @ 100%	120 A/24.8 V @ 100%	90 A/23.6 V @ 100%		
				41 x 20 x 28 cm	10 kg

### Ordering information

PROTIG 201 DC FV with accessories Double-button TIG torch SR26DB (4 m), consumables box, electrode holder (200 A/2 m) and earth cable (200 A/2 m/25 mm <sup>2</sup> )	065765
PROTIG 201 DC FV without accessories	065772

## PROTIG 221 DC FV



The PROTIG 221 DC FV is a versatile, dual-process unit for TIG and MMA welding characterised by its compact and portable design. Its PFC technology offers many benefits, including excellent energy efficiency and the ability to operate reliably with very long power cables of over 100 metres.

- DC TIG welding current from 5 - 220 A
- HF or Arc-Lift ignition
- Trigger management (2T/4T/4T LOG)
- Pulsed mode: allows parts to be assembled while limiting the heat input (pulses up to 2 kHz)
- SPOT welding
- Single-phase, Flexible Voltage (FV) power supply from 85 - 265 V with integrated PFC technology for improved mains operation
- Optional remote control (foot switch or manual control)
- Can store up to 10 programs per process
- Compatible with both trigger and double-button torches as well as potentiometers
- Protected against overvoltage up to 400 V (PROTEC 400).
- MMA welding current between 10 - 200 A
- Welding cycle settings:

- Pre-Gas
- UpSlope
- Welding current
- Cold current
- Pulse frequency
- Downslope
- Post-Gas



Optional cooling unit  
500 W/0.5 L PN. 039490  
1,000 W/3.5 L PN. 039773

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Two-year warranty



Product sheet

### Specifications

Power Supply	Fuse	TIG current range	MMA current range	Max. welding current	No-load voltage
110/230 V single phase, 50/60 Hz	16 A (230 V) 32 A (110 V)	5 - 220 A (230 V) 5 - 180 A (110 V)	10 - 200 A (230 V) 10 - 140 A (110 V)	220 A	76 V
Duty cycle (40°C ambient temperature)		Protection rating		Standards	
TIG (230 V/16 A)	TIG (110 V/32 A)	MMA (230 V/16 A)	MMA (110 V/32 A)	IP21	IEC 60974-1/3/10 A
220 A/18.8 V @ 35%	180 A/17.2 V @ 25%	200 A/28 V @ 25%	140 A/25.6 V @ 19%	<b>Dimensions L x W x H</b>	<b>Weight</b>
165 A/16.6 V @ 60%	125 A/15.0 V @ 60%	135 A/25.4 V @ 60%	110 A/24.4 V @ 60%		
150 A/16.0 V @ 100%	110 A/14.4 V @ 100%	120 A/24.8 V @ 100%	90 A/23.6 V @ 100%		
				42.5 x 23 x 29.5 cm	11 kg

### Ordering information

PROTIG 221 DC FV without accessories	070905
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# TIG 300 DC



The TIG 300 DC is a standard, dual-process model that allows you to weld under excellent conditions using both DC TIG and MMA welding processes. Its exceptional control of low current ignition striking results in a clean TIG weld for precision applications.



Cooling unit  
(optional)  
PN. 032217

- DC TIG welding current from 5 - 300 A
- HF or Arc-Lift ignition
- Trigger management (2T/4T/4T LOG)
- Pulsed mode: allows parts to be assembled while limiting the heat input (pulses up to 2 kHz)
- SPOT welding
- Optional remote control (foot switch or manual control)
- Can store up to 10 programs per process
- Compatible with both trigger and double-button torches as well as potentiometers
- Connect 5 mode can be used to operate the machine from a console or a PLC
- IP23 classification for wet environments
- MMA welding current from 10 - 250 A

Welding cycle settings:

- Pre-Gas
- UpSlope
- Welding current
- Cold current
- Pulse frequency
- Downslope
- Post-Gas

MADE IN FRANCE



Two-year warranty



Product sheet

## Specifications

Power Supply	Fuse	TIG current range	MMA current range	Max. welding current	No-load voltage
400 V, three phase, 50/60 Hz	16 A	5 - 300 A	10 - 250 A	300 A	90 V
Duty cycle (40°C ambient temperature)		Dimensions L x W x H	Weight	Protection rating	Standards
TIG 300 A/22 V @ 35% 255 A/20.2 V @ 60% 240 A/19.6 V @ 100%	MMA 250 A/30 V @ 30% 220 A/28.8 V @ 60% 210 A/28.4 V @ 100%	40 x 52 x 25 cm	20 kg	IP23	IEC 60974-1/3/10 A

## Ordering information

TIG 300 DC without accessories	012318
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## PROTIG 221 DC FV Packs

	PROTIG 201 DC FV	TIG trigger torch (SR26 L/8 m)	TIG GRIP torch (SR17 DB/4 m)	Earth cable (250 A/ 4 m/25 mm <sup>2</sup> )	Electrode holder (200 A/2 m/25 mm <sup>2</sup> )	Trolley (4 m <sup>3</sup> )	Trolley (10 m <sup>3</sup> ) XL/TM 1
1 N.C	■	■		■		■	
2 N.C	■	■		■			■
3 N.C	■		■	■ (2 m / 25 mm <sup>2</sup> )	(original equipment)	■	

## PROTIG 221 DC FV Packs

	PROTIG 221 DC FV	TIG trigger torch (8 m)	TIG GRIP torch Double bouton trigger (8 m)	Earth cable (250 A/ 4 m/25 mm <sup>2</sup> )	Cooling unit WCU 0.5KW A	Trolley 10 m <sup>3</sup>
1 072749	■	SR26L (046184)		■		
2 072763	■		SR26 DB (046177)	■		
3 072770	■	SR20L (046153)		■	■	■
4 072787	■		SR20 DB (046146)	■	■	■

## Packs TIG 300 DC Packs

	TIG 300 DC	TIG trigger torch (8 m)	TIG GRIP torch Double bouton trigger (8 m)	Earth cable (250 A/ 4 m/25 mm <sup>2</sup> )	Cooling unit WCU 1KW B	Trolley 10 m <sup>3</sup>
1 012325	■	SR26L (046184)		■		
2 012332	■	SR26L (046184)		■		■
3 012349	■		SR26 DB (046177)	■		■
4 012356	■		SR26 DB (046177)	■		■
5 012363	■	SR20L (046153)		■	■	
6 012370	■		SR20 DB (046146)	■	■	■
7 012509	■		SR20 DB (038202)	■	■	■



# TITAN 400 DC



Cooling unit (optional)  
PN. 013537

Ideal for precision welding on high-alloy metals, the TITAN 400 DC welding machine (400 A @ 60%) is designed for the most demanding TIG and MMA welding applications. Intuitive and practical, its user interface makes it very easy to change the welding parameters. With its state-of-the-art TACK welding mode, the TITAN 400 DC is the preferred tool for professional welders working with stainless steel tubes, pipes or sheets.

- DC TIG welding current from 3 - 400 A
- HF or Arc-Lift ignition
- Trigger management (2T/4T/4T LOG)
- Pulsed mode: allows parts to be assembled while limiting the heat input (pulses up to 2 kHz)
- E-TIG mode ensures that the welder respects the welding power regardless of the torch's position in relation to the workpiece (controlling the welding energy)
- SPOT welding (traditional)
- TACK welding, ultra-precise and non-oxidising to reduce the risk of deformation
- Connect 5 mode can be used to operate the machine from a console or a PLC
- Calibration mode for welding consumables, allows the user to adjust the displayed voltage measurement and refine the energy calculations
- ENERGY mode, displays and calculates the energy output after welding according to EN1011-1, ISO/TR 18491 and QW-409

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Two-year warranty



Product sheet



- Pre-Gas/Post-Gas
- UpSlope
- Welding current
- Downslope
- Hot current
- Pulse frequency
- Cold current balance

Setup: Advanced menu access (calibration mode, energy, cooling unit, etc.)



## Additional features

- The welding cycle's advanced settings consist of:
  - bearing current at start and end of welding
  - pulse waveforms
  - tack welding time in DC TIG
  - tack welding time in pulsed TIG
- Welding current/voltage displayed for DMOS
- Compatible with both trigger and double-button torches as well as potentiometers
- Optional remote control (foot switch or manual control)
- Stores up to 50 programs per process with trigger-activated job recall
- Lockable keyboard to prevent operating errors
- Three separate welding-assistance systems: Hot Start (adjustable), Arc Force (adjustable) and Anti-Stick
- Reinforced bodywork
- Two steel handles for easy moving and lifting
- IP23 classification for wet environments

## Specifications

Power Supply	Fuse	Max. welding current
400 V, three phase, 50/60 Hz	32 A	400 A
TIG current range	MMA current range	No-load voltage
3 - 400 A	5 - 400 A	85 V
Duty cycle (40°C ambient temperature)		
TIG	MMA	
400 A/26.0 V @ 60%	400 A/36.0 V @ 60%	
360 A/24.4 V @ 100%	360 A/34.4 V @ 100%	
Dimensions L x W x H	75 x 30 x 54 cm	Weight
		40 kg
Protection rating	IP23	Standards
		IEC 60974-1/3/10 A

## Ordering information

TITAN 400 DC without accessories	013520
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## TITAN 400 DC Packs

	ABITIG torch 450 W (8 m)	Earth cable (600 A/ 4 m/70 mm²)	Cooling unit WCU 1KW C	Trolley (10 m³) T/M
1 013766	Trigger torch 037359	043831	013537	037328
2 013773	Double-button torch 037366	▪	▪	▪



## EXATIG

High-frequency (HF) power source



The EXATIG is a high-frequency (HF) welding unit designed for TIG welding with a variety of DC power sources. It has been specifically developed for the EXAGON 400 CC/CV machine with its highly specialised connectivity system.

- Connected directly to the power source without the need for an auxiliary power cable
- Features available with the EXAGON (PN. 010925):**
  - DC TIG: direct current welding for ferrous materials
  - Pulsed DC TIG: limits the temperature rise of the parts to be welded (pulses up to 200 Hz)
  - HF or Arc-Lift ignition
  - 2T/4T trigger management
  - Automatic torch detection compatible with both trigger and double-button torches as well as potentiometers
  - Complete management of the welding cycle: Pre-Gas, Upslope, Welding current, Cold current, Pulse frequency, Downslope and Post-Gas
- Features available with a DC welding unit (e.g. PROGYS):**
  - HF ignition
  - Pre-Gas and Post-Gas features are fixed but can be modified internally
  - Two trigger management systems: 2T and 4T
  - Control of the gas-flow rate using the flowmeter (5 - 25 l/min)

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Two-year warranty



Product sheet

### Specifications

Power Supply	TIG current range	Max. welding current	HF ignition voltage
20 - 100 V	10 - 400 A	400 A	9 kV
Duty cycle (40°C ambient temperature)	Dimensions L x W x H	Weight	Standards
270 A @ 60% 220 A @ 100%	34 x 26 x 16 cm	6.5 kg	IEC 60974-3

### Ordering information

EXATIG without accessories	013780
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## ORBITIG 200A

Orbital welding solutions



Designed for automated welding applications, the ORBITIG 200A is a CAN-bus controlled power source. This compact machine can be easily connected to a PLC, particularly for orbital welding applications.

- CAN-open communication protocol
- TRACKING mode: the power source receives and applies the current set points in real time
- HEIGHT CALIBRATION mode: vertically repositioning the electrode at a given height after contact is detected
- HF or Arc-Lift ignition
- Instant information exchange:
  - welding status (Arc ON / Arc OFF)
  - measured voltage and current
  - featuring overvoltage and undervoltage protection as well as short-circuit and Arc extinction detection during the welding process
  - thermal protection in case of overheating
- Single-phase, Flexible-Voltage (FV) power supply from 85 - 265 V with integrated PFC technology for better mains operation.

MADE IN FRANCE



Two-year warranty



Product sheet

### Specifications

Power Supply	Fuse	TIG current range	Max. welding current	No-load voltage
110/230 V single phase, 50/60 Hz	16 A (230 V) 32 A (110 V)	5 - 220 A (230 V) 5 - 180 A (110 V)	220 A	76 V
Duty cycle (40°C ambient temperature)	Dimensions L x W x H	Weight	Standards	
230 V/16 A : 220 A @ 35% 165 A @ 60% 140 A @ 100%	110 V/32 A : 180 A @ 40% 125 A @ 60% 110 A @ 100%	39 x 16 x 28 cm	9 kg	IEC 60974-1/3/10 A

### Ordering information

ORBITIG 200A without accessories	012448
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# PROTIG 200 AC/DC



The PROTIG 200 AC/DC is a single-phase, TIG welding machine equipped with an advanced control panel offering all the functions required for AC/DC TIG welding. Its AC Easy mode promises high-quality results, even without regular aluminium welding practice.



- Welding current 10 - 200 A (AC TIG), 10 - 160 A (DC TIG)
- Pulsed DC and AC Mode:** allows parts to be assembled while limiting the heat input
- Easy AC Mode:** makes the machine easier to use thanks to pre-installed welding settings
- Precise penetration control by adjusting the AC frequency (pulses up to 200 Hz)
- SPOT welding
- HF or Arc-Lift ignition
- Trigger management (2T/4T/4T LOG)
- Can store up to 30 programs per process
- Compatible with both trigger and double-button torches
- The VRD (voltage reduction device) can be switched on to reduce the no-load output voltage to 30 V
- Pulsed MMA and MMA process up to 160 A



Two-year warranty



Product sheet



## Specifications

Power Supply	Fuse	Max. welding current	
230 V single phase, 50/60 Hz	16 A	200 A (AC) 160 A (DC)	
Current range TIG AC	Current range TIG DC	MMA current range	
10 - 200 A	10 - 160 A	10 - 160 A	
Duty cycle (40°C ambient temperature)			
TIG AC 200 A/18 V @ 20% 115 A/16.4 V @ 60% 90 A/13.6 V @ 100%	TIG DC 160 A/16.4 V @ 20% 90 A/13.6 V @ 60% 70 A/12.8 V @ 100%	MMA 160 A/26.4 V @ 20% 90 A/23.6 V @ 60% 70 A/22.8 V @ 100%	
<b>Dimensions L x W x H</b>	24 x 43 x 35 cm	<b>Weight</b>	12.5 kg
<b>Protection rating</b>	IP21	<b>No-load voltage</b>	64 V (< 30 V VRD On)
<b>Standards</b>	IEC 60974-1/3/10 A		

## Ordering information

PROTIG 200 AC/DC with accessories  
Double-button TIG torch TIG26DB (4 m), consumables box,  
electrode holder (200 A/2 m) and earth cable (200 A/2 m/25 mm<sup>2</sup>)

068742



- Pre-Gas
- Upslope
- Downslope
- Cold current (DC TIG)
- Pulse frequency (DC TIG)
- Welding current frequency (AC TIG)  
Balance adjustment (AC TIG)
- Post-Gas



# PROTIG 201 AC/DC PROTIG 201L AC/DC



The PROTIG 200 AC/DC is a single-phase, TIG welding machine equipped with an advanced control panel offering all the functions required for AC/DC TIG welding. Its AC Easy mode promises high-quality results, even without daily aluminium welding practice. The 201L model features a cooling unit that prevents the liquid-cooled torches from overheating during intensive welding operations.

- Welding current 10 - 200 A (AC TIG), 10 - 160 A (DC TIG)
- Pulsed DC and AC Mode:** allows parts to be assembled while limiting the heat input
- Easy AC Mode:** makes the machine easier to use thanks to pre-installed welding settings
- Precise penetration control by adjusting the AC frequency (pulses up to 200 Hz)
- SPOT welding
- HF or Arc-Lift ignition
- Trigger management (2T/4T/4T LOG)
- Optional remote control (foot switch or manual control)
- Can store up to 50 programs per process
- Compatible with both trigger and double-button torches as well as potentiometers
- The VRD (voltage reduction device) can be switched on to reduce the no-load output voltage to 30 V
- Pulsed MMA and MMA process up to 160 A



Built-in cooling unit

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Two-year warranty



Product sheet



- Pre-Gas
- Upslope
- Downslope
- Cold current (DC TIG)
- Pulse frequency (DC TIG)
- Welding current frequency (AC TIG)
- Balance adjustment (AC TIG)
- Post-Gas



## Specifications

	201 AC/DC FV		201L AC/DC		
<b>Power Supply</b>	230 V single phase, 50/60 Hz	110 V single phase, 50/60 Hz	230 V single phase, 50/60 Hz		
<b>Fuse</b>	13 A	20 A	13 A		
<b>Max. welding current</b>	200 A (AC) 160 A (DC)	160 A	200 A (AC) 160 A (DC)		
<b>Current range</b>	<b>TIG AC</b>	10 - 200 A	10 - 160 A		
	<b>TIG DC</b>	10 - 160 A	10 - 160 A		
	<b>MMA</b>	10 - 160 A	10 - 110 A		
<b>Duty Cycle</b> (40°C ambient temperature)	<b>TIG AC</b>	Imax	200 A @ 13%	160 A @ 20%	200 A @ 13%
		@ 60%	90 A/13.6 V	105 A/14.2 V	90 A/13.6 V
	@ 100%	80 A/13.2 V	90 A/14.4 V	80 A/13.2 V	
	<b>TIG DC</b>	Imax	160 A @ 25%	160 A @ 25%	160 A @ 25%
		@ 60%	100 A/14 V	120 A/14.8 V	100 A/14 V
	@ 100%	95 A/13.8 V	100 A/14 V	95 A/13.8 V	
<b>MMA</b>	Imax	160 A @ 25%	110 A @ 32%	160 A @ 25%	
	@ 60%	100 A/24 V	90 A/23.6 V	100 A/24 V	
@ 100%	95 A/23.8 V	85 A/23.4 V	95 A/23.8 V		
<b>No-load voltage</b>	70 V (< 30 V VRD On)		70 V (< 30 V VRD On)		
<b>Protection rating</b>	IP 21		IP 21		
<b>Dimensions L x W x H</b>	24 x 41 x 36 cm		24 x 43 x 50 cm		
<b>Weight</b>	15 kg		20.5 kg		
<b>Standards</b>	IEC 60974-1/3/10 A		IEC 60974-1/2/3/10 A		
<b>Cooling power</b>	-		400 W		
<b>Max. pressure</b>	-		0.6 MPa (87 Psi)		
<b>Tank capacity</b>	-		1.25 L (0.27 gal US)		

## Ordering information

PROTIG 201 AC/DC FV with accessories Double-button TIG torch SR26DB (4 m), consumables box, electrode holder (200 A/2 m) and earth cable (200 A/2 m/25 mm²)	063945
PROTIG 201 AC/DC FV without accessories	061828

## Ordering information

PROTIG 201L AC/DC with accessories Double-button TIG torch SR20DB (4 m), consumables box, electrode holder (200 A/2 m) and earth cable (200 A/2 m/25 mm²)	063952
PROTIG 201L AC/DC without accessories	062610



## TIG 220 AC/DC FV



The TIG 220 AC/DC FV is designed to offer a wide range of welding processes (AC TIG, DC TIG, MMA) allowing it to join all metals (steel, stainless steel, aluminium and copper). Powerful and compact, the TIG 220 AC/DC FV is the ideal tool for demanding welding jobs.



Cooling unit  
(optional)  
PN. 039773

MADE IN FRANCE



Two-year warranty



Product sheet

- Welding current 5 - 220 A (AC TIG), 10 - 220 A (DC TIG)
- Pulsed DC mode: allows parts to be assembled while limiting the heat input (pulses up to 2.5 kHz)
- Pulsed AC mode: precise penetration control by adjusting the AC frequency (pulses up to 2 Hz)
- AC Mix Mode: alternating AC and DC currents to increase the welding speed when working with aluminium
- Half-wave, AC waveform settings offer greater arc control and penetration capabilities while reducing noise levels (square, trapezoid, triangle and sine waves)
- SPOT (traditional) and TACK welding: ultra-precise and non-oxidising to reduce the risk of deformation
- SYNERGY mode (automatically calculates the optimal welding settings)
- CONNECT 5 mode allows the user to operate the welding equipment from a console or a PLC
- HF or Arc-Lift ignition
- 2T/4T/4T LOG trigger management

Boasting an intuitive, multilingual user-interface with an easy-to-read, 5.7", colour display with two scroll wheels.

The welder can easily access the different menus and define their own parameter settings:

- Pre-Gas
- Start-up current
- Upslope
- Cold current
- Pulse timings
- Pulse frequency
- Fade-out time
- Crater Filler
- Post-Gas
- Stripping percentage
- AC frequency
- Waveform
- etc.



### Additional features

- Welding current/voltage displayed for DMOS
- Compatible with both trigger and double-button torches as well as potentiometers
- Optional remote control (foot switch or manual control)
- Can store up to 100 programs per process
- Lockable keyboard to prevent operating errors
- Three separate welding-assistance systems: Hot Start (adjustable), Arc Force (adjustable) and Anti-Stick
- MMA and Pulsed MMA mode for easy vertical-up welding
- AC MMA mode: limits the arc's magnetic disturbances when welding electrically charged parts (fixed pulses at 50 Hz)
- Single-phase, Flexible Voltage (FV) power supply from 85 - 265 V with integrated PFC technology for improved mains operation
- Quickly browse the parameter settings
- Reinforced bodywork
- IP23 classification for wet environments

### Specifications

Power Supply	Fuse	Max. welding current	
110/230 V single phase, 50/60 Hz	16 A (230 V) 32 A (110 V)	220 A (AC) 220 A (DC)	
Current range TIG AC	Current range TIG DC	MMA current range	
10 - 220 A (230 V) 10 - 140 A (110 V)	5 - 220 A (230 V) 5 - 140 A (110 V)	10 - 220 A (230 V) 10 - 140 A (110 V)	
Duty cycle (40°C ambient temperature)			
TIG AC (230 V) 220 A/18.8 V @ 40% 185 A/17.4 V @ 60% 170 A/16.8 V @ 100%	TIG DC (230 V) 220 A/18.8 V @ 35% 175 A/17 V @ 60% 160 A/16.4 V @ 100%	MMA (230 V) 220 A/28.8 V @ 25% 160 A/26.4 V @ 60% 130 A/25.2 V @ 100%	
TIG AC (110 V) 140 A/15.6 V @ 100%	TIG DC (110 V) 140 A/15.6 V @ 100%	MMA (110 V) 140 A/25.6 V @ 75% 125 A/25 V @ 100%	
Dimensions L x W x H	25 x 52 x 40 cm	Weight	20 kg
Protection rating	IP23	No-load voltage	75 V
Standards	IEC 60974-1/3/10 A		

### Ordering information

TIG 220 AC/DC without accessories

011908



## TIG 250 AC/DC FV



The TIG 250 AC/DC FV has a duty cycle of 250 A at 60% and 200 A at 100% (in AC and DC), allowing it to be used continuously for intensive work. The electronics are not ventilated and are cooled by an innovative water-plate system, this offers a double advantage as it achieves a high duty cycle whilst also protecting the electronic components from the harsh conditions of an industrial working environment.

- Welding current 10 - 250 A (AC TIG), 5 - 250 A (DC TIG)
- Pulsed DC mode: allows parts to be assembled while limiting the heat input (pulses up to 2.5 kHz)
- Pulsed AC mode: precise penetration control by adjusting the AC frequency (pulses up to 2 Hz)
- SPOT welding
- SYNERGY mode (automatically calculates the optimal welding settings)
- CONNECT 5 mode allows the user to operate the welding equipment from a console or a PLC
- HF or Arc-Lift ignition
- Trigger management (2T/4T/4T LOG)
- Machined aluminium structure prevents deformation and allows the device to be suspended
- 'Fanless' technology



Built-in cooling unit

MADE IN FRANCE



Two-year warranty



Product sheet



Boasting an intuitive, multilingual user-interface with an easy-to-read, 5.7", colour display with two turn dials.

The welder can easily access the different menus and define their own parameter settings:

- Pre-Gas
- Start-up current
- Upslope
- Cold current
- Pulse timings
- Pulse frequency
- Fade-out time
- Holding current
- Post-Gas
- Percentage stripped
- AC frequency
- etc.



### Additional features

- Welding current/voltage displayed for DMOS
- Compatible with both trigger and double-button torches as well as potentiometers
- Optional remote control (foot switch or manual control)
- Can store up to 100 programs per process
- Lockable keyboard to prevent operating errors
- Three separate welding-assistance systems: Hot Start (adjustable), Arc Force (adjustable) and Anti-Stick
- MMA mode up to 250 A
- Quickly browse the parameter settings
- Reinforced bodywork
- IP23 classification for wet environments

### Specifications

Power Supply	Fuse	Max. welding current
400 V three-phase, 50/60 Hz	16 A	250 A (AC) 250 A (DC)
Current range TIG AC	Current range TIG DC	MMA current range
10 - 250 A	5 - 250 A	10 - 250 A
Duty cycle (40°C ambient temperature)		
TIG AC 250 A/20 V @ 60% 200 A/18 V @ 100%	TIG DC 250 A/20 V @ 60% 200 A/18 V @ 100%	MMA 250 A/30 V @ 40% 230 A/29.2 V @ 60% 200 A/28 V @ 100%
Dimensions L x W x H	48 x 80 x 75 cm	Weight
Protection rating	IP23	No-load voltage
Standards	IEC 60974-1/2/3/10 A	85 V
Cooling power	Max. pressure	Tank capacity
1,420 W	0.2 MPa (29 Psi)	5.5 L (1.45 gal US)

### Ordering information

TIG 250 AC/DC without accessories

012004



# TITANIUM 230 AC/DC



TITANIUM 230 AC/DC FV is a single-phase TIG AC and DC welding machine. It benefits from the latest generation of electronics and fully digital management. Two essential links to guarantee an incomparable welding quality and productivity.



Cooling unit in option  
P.N. 070820

- Welding current 3 to 230 A (TIG AC), 5 to 230 A (TIG DC)
- Wizard mode (GYS innovation) : tacking and TIG welding of Aluminium, Steel, Stainless Steel and Copper parts with or without filler metal
- Pulsed DC mode : allows to assemble parts while limiting the heat input (pulses up to 2.5 kHz)
- DC FastPulse mode: maintains the arc constriction properties of the Pulsed mode while remaining at sound frequencies that are comfortable or even inaudible for the welder (pulses up to 20 kHz)
- AC Pulsed mode: precise control of penetration according to the AC frequency setting (pulses up to 500 Hz)
- AC Mix mode: alternating AC and DC current to increase welding speed on aluminum assemblies
- SPOT / Multi SPOT: traditional spot welding.
- The Multi mode allows to adjust the time between 2 spots.
- TACK / Multi TACK: ultra-precise and oxidation free to reduce the risk of distortion. The Multi mode allows to adjust the time between 2 points.
- E-TIG mode guarantees the welder to respect the welding power whatever the position of his torch in relation to the part (control of the welding energy).
- Lift or HF ignition

MADE IN FRANCE



Two-year warranty



Product sheet

Ultra-intuitive 5" color interface



## Additional features

- SYNERGIC mode (automatic calculation of optimal welding parameters)
- Accurately measured energy input
- Traceability of all weld beads according to EN 3834
- Calibration mode for welding accessories (refines the energy calculation)
- Connectable via an optional bridge for use on a robot
- User mode to share the product with several users
- Backup of user JOBS and machine configuration from a USB key
- Compatible with flap, double button, potentiometer and Up & Down torches
- Complete update of the machine and synergies by USB key
- Optional remote control (foot pedal or manual control)
- 500 program memory
- MMA / MMA AC and MMA Pulsed functions
- IP23 rating for wet environments

## Specifications

Power Supply	Fuse	Max. welding current
110/230 V 1 ph, 50/60 Hz	16 A (230 V) 32 A (110 V)	230 A (230 V) 140 A (110 V)
Current range TIG AC	Current range TIG DC	MMA current range
3-230 A (230 V) 3-140 A (110 V)	5-230 A (230 V) 5-140 A (110 V)	5-230 A (230 V) 5-140 A (110 V)
Duty cycle (40°C ambient temperature)		
TIG AC (230 V) 190 A/17.6 V à 60% 160 A/16.4 V à 100%	TIG DC (230 V) 190 A/17.6 V à 60% 160 A/16.4 V à 100%	MMA (230 V) 160 A/26.4 V à 60% 130 A/25.2 V à 100%
Dimensions L x W x H	49 x 26 x 44 cm	Weight 22 kg
Protection rating	IP23	No-load voltage 55 V
Standards	IEC 60974-1/3/10 A	

## Ordering information

TITANIUM 230 AC/DC FV with accessories	
Double button TIG torch SR26DB - 8 m + Consumables box + Ground cable	075924
250 A - 4 m, 25 mm <sup>2</sup> + Consumables box	
Grounding cable 250 A - 4 m, 25 mm <sup>2</sup> .	
TITANIUM 230 AC/DC FV with accessories	061996



## INNOVATION

«WIZARD ALU has reinvented TIG ALU welding by making it accessible to all users, even novices.»



Read more



# TITANIUM 400 AC/DC



Cooling unit (optional)  
PN. 013537

TITANIUM, the new world leader in AC- and DC-TIG welding. It is equipped with the latest electronics and a fully digital management system. Two essential components to guarantee unparalleled welding quality and productivity.

- Welding current 5 - 400 A (AC TIG), 3 - 400 A (DC TIG)
- Wizard mode (GYS innovation) : tacking and TIG welding of Aluminium, Steel, Stainless Steel and Copper parts with or without filler metal
- Pulsed DC mode: allows parts to be assembled while limiting the heat input (pulses up to 2.5 kHz)
- Fastpulse DC Mode: allows the pulsed mode's arc-constraining properties to be maintained at a sound frequency that is comfortable or even inaudible to the welder (pulses up to 20 kHz)
- Pulsed AC mode: precise penetration control by adjusting the AC frequency (pulses up to 500 Hz)
- AC Mix Mode: alternating AC and DC currents to increase the welding speed when assembling aluminium
- SPOT/Multi-SPOT welding: for traditional spot welding, whereas the Multi-SPOT mode allows the user to set the time between two points.
- TACK/Multi-tack welding: ultra-precise and non-oxidising to reduce the risk of deformation, whereas the Multi-TACK mode allows the user to set the time between two tack welds
- E-TIG mode ensures that the welder respects the welding power regardless of the torch's position in relation to the workpiece (controlling the welding energy)
- CONNECT 5 mode allows the user to operate the welding equipment from a console or a PLC

MADE IN FRANCE



Two-year warranty



Product sheet

Ultra-intuitive, 5", colour user-interface



## Additional features

- SYNERGY mode (automatically calculates the optimal welding settings)
- Precisely measured energy usage
- Fully traceable weld beads complying with standard EN 3834
- Calibration mode for welding accessories (refines the energy calculation)
- Can be connected to a robot using a bridge (in option)
- Can be converted into a degausser/demagnetiser
- User mode allows the device to be shared by multiple users
- Backup the user jobs as well as the machine's configuration from a USB key
- Compatible with both trigger and double-button torches as well as potentiometers
- Update the machine and the synergies via a USB key
- Optional remote control (foot switch or manual control)
- Can store up to 500 programs per process
- Features MMA, AC MMA and Pulsed MMA welding modes
- IP23 classification for wet environments

## Specifications

Power Supply	Fuse	Max. welding current	
400 V three-phase, 50/60 Hz	32 A	400 A (AC) 400 A (DC)	
Current range TIG AC	Current range TIG DC	MMA current range	
5 - 400 A	3 - 400 A	5 - 400 A	
Duty cycle (40°C ambient temperature)			
TIG AC 400 A/26 V @ 60% 360 A/24.4 V @ 100%	TIG DC 400 A/26 V @ 60% 360 A/24.4 V @ 100%	MMA 400 A/36 V @ 60% 360 A/34.4 V @ 100%	
Dimensions L x W x H	68 x 30 x 54 mm	Weight	43 kg
Protection rating	IP23	No-load voltage	85 V
Standards	IEC 60974-1/3/10 A		

## Ordering information

TITANIUM 400 AC/DC without accessories

013568



## INNOVATION

'ALU WIZARD has reinvented aluminium TIG welding by making it accessible to any user, even total novices'.



Read more

**PROTIG 201 AC/DC Packs**

		PROTIG 201 AC/DC FV	PROTIG 201 AC/DC L	TIG trigger torch (SR26 L/8 m) 046184	TIG trigger torch (SR20 L/8 m) 046153	Earth cable (250 A/ 4 m/25 mm²) 043794	Electrode holder (200 A/4 m/25 mm²) 043855	Trolley (4 m³) 015678
1	066342	■		■		■	■	■
2	066359		■		■	■	■	■

**TIG 220 AC/DC FV Packs**

		TIG 220 AC/DC FV	TIG trigger torch (SR26 L/8 m) 046184	TIG GRIP torch (SR17 DB/4 m) 046177	Earth cable (250 A/ 4 m/25 mm²) 043794	Cooling unit WCU 1KW A 039773	Trolley (4 m³) 015678	Trolley 10 m³ 039704
1	012073	■	■		■			
2	012080	■	■		■		■	
3	012097	■	■		■			■
4	035751	■		■	■			
5	012103	■		■	■		■	
6	012127	■		■	■			■
7	012134	■	■		■	■		
8	012141	■	■		■	■	■	
9	012271	■	■		■	■		■
10	035768	■		■	■	■		
11	012288	■		■	■	■	■	
12	012295	■		■	■	■	■	■

**TIG 250 AC/DC Pack**

		TIG 250 AC/DC	TIG trigger torch (SR18 L/8 m) 045378	TIG GRIP torch (SR18L DB/4 m) 046092	Earth cable (250 A/ 4 m/25 mm²) 043794	Trolley 040960
1	035430	■	■		■	■
2	012301	■		■	■	■

**Packs TITANIUM 230 AC/DC**

		TITANIUM 230 AC/DC	Trigger torch 8 m	Double-button torch 8 m	Earth cable (250 A 4 m / 25 mm²) 043794	Cooling unit 070820	Trolley 10m³ XL 076341
1	076976	■	SR26L (046184)		■		
2	076983	■	SR26L (046184)		■		■
3	077027	■		SR26DB (046177)	■		■
4	076990	■	SR20L (046153)		■	■	
5	077003	■	SR20L (046153)		■	■	■
6	077034	■		SR20DB (046146)	■	■	
7	077041	■		SR20DB (046146)	■	■	■

**TITANIUM 400 AC/DC Packs**

		TITANIUM 400 AC/DC	Trigger torch (ABITIG/450 W/8 m) 037359	Double-button torch (ABITIG/450 W/8 m) 037366	Earth cable (600 A/ 4 m/70 mm²) 043831	Cooling unit WCU 1KW C 013537	Trolley (T/M-10 m³) 037328
1	014763	■	■		■	■	■
2	062047	■		■	■	■	■



	Welding Current (A)								Tension secteur	TIG welding mode					PILSED MMA	Automate/Robot	Cooling unit		IP23	Weight
	50	100	150	200	250	300	400			Pulse	Fast Pulse	Tack	E-TIG	AC Mix			built in	option		
FR PROTIG 161 DC 066649	160								230 V		■					■				7.5 kg
CN PROTIG 200 DC 062009	200								230 V		■					■				10 kg
FR PROTIG 201 DC FV 065772	200								110 V 230 V		■					■			10 kg	
FR PROTIG 221 DC FV 070905	220								110 V 230 V		■						■		11 kg	
FR TIG 300 DC 012318	300								230 V		■						■	■	20 kg	
FR TITAN 400 DC 013520	400								400 V		■	■	■				■	■	40 kg	
CN PROTIG 200 AC/DC 068742	200 AC 160 DC								230 V		■					■			12.5 kg	
FR PROTIG 201 AC/DC FV 061828	200 AC 160 DC								110 V 230 V		■					■			15 kg	
FR PROTIG 201L AC/DC 062610	200 AC 160 DC								230 V		■						■		20.5 kg	
FR TIG 220 AC/DC FV 011908	220 AC 220 DC								110 V 230 V		■	■		■			■	■	20 kg	
FR TIG 250 AC/DC 012004	250 AC 250 DC								400 V		■						■	■	58 kg	
FR TITANIUM 230 AC/DC FV 061996	230 AC 230 DC								110 V 230 V		■	■	■	■	■			■	■	22 kg
FR TITANIUM 400 AC/DC 013568	400 AC 400 DC								400 V		■	■	■	■	■			■	■	43 kg

■ Duty cycle at 60% (40°C)



+ 30% increase in productivity

Thickness : 0.5 à 5 mm



- 5 types of assembly:
- Butt joint (BW)
  - Clinch (FW)
  - Inside corner (BP)
  - Outside corner
  - Wire to wire for splicing

## WIZARD ALU, a patented method, developed for industrial welders

Pointing and welding an aluminum part in TIG without filler metal is a daily challenge faced by welders worldwide.

GYS has developed a unique and patented solution on the market: the WIZARD ALU mode.

This tacking and welding mode has been developed by GYS engineers to simplify aluminum welding and make it accessible to everyone. With or without filler metal, this feature, integrated in the TITANIUM range, ensures a tacking in less than one second. This mode is also available for tacking and welding all types of materials: steel, stainless steel, aluminum and copper.

**Wizard ALU**  
Productivity  
Minimizes porosity  
Versatility of the welder  
No cracking

**Wizard INOX**  
No oxidation  
No finishing action  
Easy to weld

**Wizard ACIER**  
Soldering quality  
Oxidation free cord  
Synergistic mode

**Wizard CUIVRE**  
Ideal for splicing of wires (0.5 to 2.2 mm)



# M I M G A G



## Traditional



MONOGYS /  
TRIMIG  
p.54



PROMIG  
p.58



MAGYS  
p.60

## Inverter



MULTIPEARL  
p.64



MULTIWELD  
p.66



EXAGON  
p.70



NEOPULSE  
p.74



# MONOGYS



The MONOGYS range consists of three separate single-phase models controlled by voltage switches. Designed to achieve an unrivalled welding quality, the entire range includes capacitor-based electronics designed to smooth the current. The built-in wire-feed reel alongside its modest weight makes these machines compact and easy to move around farms, workshops and small-scale production sites.

- Welding current up to 320 A
- Suitable for welding steel, stainless steel and aluminium
- Suitable for MIG welding galvanised sheet metal with CuSi3 or CuAl8 wire (200-4 CS model)
- 2T and 4T trigger management
- 'SPOT' welding mode: adjusting the size of the spot welds
- 'DELAY' welding mode: adjusting the intervals between spot welds (200-4 CS model)
- Compatible with Ø 0.6 - 1.2 mm wires depending on the technical application and welding-machine model
- The welding settings can be easily adjusted in both manual and synergy mode
- Simple polarity changes when using flux-cored wire without gas shielding (320-4 CS model)
- Equipped with ventilation fans for optimised cooling
- Protected against thermal overheating



Three available models



MANUAL mode:  
- Choose the welding voltage (switch)  
- Adjust the wire-feed speed

Optimised SYNERGY mode: A convenient front-panel chart enables the welding settings to be easily adjusted:  
1.) Wire type  
2.) Wire diameter  
3.) Welding voltage (switch)  
= Optimised wire-feed speed with the option to adjust it



## Specifications

	200-4 CS	250-4 CS	320-4 CS
<b>Power Supply</b>	230 V single phase, 50/60 Hz	240 V single phase, 50/60 Hz	240 V single phase, 50/60 Hz
<b>Fuse</b>	16 A	25 A	50 A
<b>Current range</b>	25 - 200 A	40 - 250 A	30 - 320 A
<b>Duty Cycle</b> (40°C ambient temperature)	Imax 200 A @ 15% @ 60% 110 A/19.5 V @ 100% 90 A/18.5 V	250 A @ 15% 155 A/21.75 V 110 A/19.5 V	320 A @ 25% 210 A/24.5 V 155 A/21.75 V
<b>Wire-feed reel</b>	speed 1 - 15 m/min	1 - 20 m/min	1 - 20 m/min
<b>Diameter of supported reels (Ø)</b>	Four rollers (two motorised) 200 - 300 mm	Four rollers (two motorised) 200 - 300 mm	Four rollers (two motorised) 200 - 300 mm
<b>Wire diameter</b>	Steel, stainless steel 0.6 - 1 mm Aluminium 0.8 - 1 mm Flux-cored wire - CuSi / CuAl 0.8 - 1 mm	0.8 - 1.2 mm 1.0 - 1.2 mm -	0.8 - 1.2 mm 1.0 - 1.2 mm 0.9 - 1.2 mm -
<b>Tension bearings</b>	6	8	12
<b>No-load voltage</b>	33.5 V	38.4 V	42 V
<b>Protection rating</b>	IP 21	IP 21	IP 21
<b>Dimensions L x W x H</b>	74 x 63.5 x 33 cm	74 x 63.5 x 33 cm	90 x 88 x 50 cm
<b>Weight</b>	60 kg	75.5 kg	105 kg
<b>Standards</b>	IEC 60974-1/5/10 A	IEC 60974-1/5/10 A	IEC 60974-1/5/10 A
<b>Original equipment</b>	rollers 0.8/1.0 - A steel, stainless steel	0.8/1.0 - B steel, stainless steel	1.0/1.2 - B steel, stainless steel

## Ordering information

MONOGYS 200-4 CS + accessoires Torche TOPARC MIG 250A - 3 m + Câble de masse 250 A - 2 m, 25 mm <sup>2</sup>	065949
MONOGYS 250-4 CS + accessoires Torche TOPARC MIG 250A - 3 m + Câble de masse 250 A - 2 m, 25 mm <sup>2</sup>	020368
MONOGYS 320-4 CS - sans accessoires	063020
Pack MONOGYS 320-4 CS + accessoires Torche Binzel® MIG Grip 350A - 4 m + Câble de masse 400 A - 4 m, 35 mm <sup>2</sup>	065079



Two-year warranty



Product sheet



# TRIMIG



The TRIMIG range represents our three-phase, entry-level MIG/MAG welding units featuring switchgear technology. The built-in wire-feed reel makes these machines compact and convenient to move around farms, repair shops and small production sites. Thanks to the SEMI-SYNERGIC mode, the optimal wire-feed speed is calculated automatically making it simple to use.

- Welding current up to 300 A
- Suitable for welding steel, stainless steel and aluminium
- Suitable for MIG welding galvanised sheet metal with CuSi3 or CuAl8 wire (200-4S model)
- 2T and 4T trigger management
- 'SPOT' welding mode: adjusting the size of the spot welds
- 'DELAY' welding mode: adjusting the interval between spot welds (200-4S model)
- Compatible with wire diameters between 0.6 - 1.2 mm, depending on the machine's model and intended application
- The welding settings can be easily adjusted in both manual and synergy mode
- Simple polarity change for using flux-cored wire without gas shielding (300-4S model)
- Equipped with ventilation fans for optimised cooling
- Protected against thermal overheating

MADE IN FRANCE

Three available models



**MANUAL mode:**  
- Choose the welding voltage (switch)  
- Adjust the wire-feed speed

**SYNERGY mode:** A convenient front-panel chart enables the welding settings to be easily adjusted:  
1.) Wire type  
2.) Wire diameter  
3.) Welding voltage (switch)  
= Optimised wire-feed speed with the option to adjust it



## Specifications

	200-4S	250-4S DV	300-4S
<b>Power Supply</b>	400 V three-phase, 50/60 Hz	230/400 V three-phase, 50/60 Hz	400 V three-phase, 50/60 Hz
<b>Fuse</b>	16 A	16 A	16 A
<b>Current range</b>	30 - 200 A	35 - 250 A	35 - 300 A
<b>Duty Cycle</b> (40°C ambient temperature)	Imax 200 A @ 30% @ 60% 140 A/21 V @ 100% 120 A/20 V	250 A @ 30% 180 A/23 V 140 A/21 V	300 A @ 35% 240 A/26 V 180 A/23 V
<b>Wire-feed reel</b>	speed 1 - 15 m/min Four rollers (two motorised)	1 - 20 m/min Four rollers (two motorised)	1 - 20 m/min Four rollers (two motorised)
<b>Diameter of supported reels (Ø)</b>	200 - 300 mm	200 - 300 mm	200 - 300 mm
<b>Wire diameter</b>	Steel, stainless steel 0.6 - 1 mm Aluminium 0.8 - 1 mm Flux-cored wire - CuSi / CuAl 0.8 - 1 mm	0.8 - 1.2 mm	0.8 - 1.2 mm 0.9 - 1.2 mm -
<b>Tension bearings</b>	7	10	12
<b>No-load voltage</b>	34.5 V	37 V	42 V
<b>Protection rating</b>	IP 21	IP 21	IP 21
<b>Dimensions L x W x H</b>	77 x 79 x 47 cm	90 x 88 x 50 cm	90 x 88 x 50 cm
<b>Weight</b>	63 kg	86 kg	90 kg
<b>Standards</b>	IEC 60974-1/5/10 A	IEC 60974-1/5/10 A	IEC 60974-1/5/10 A
<b>Original equipment</b>	0.8/1.0 - B steel, stainless steel	0.8/1.0 - B steel, stainless steel	1.0/1.2 - B steel, stainless steel

## Ordering information

TRIMIG 200-4S with accessories TOPARC MIG torch (250 A, 3 m) and earth cable (250 A, 2 m, 25 mm <sup>2</sup> )	033818
TRIMIG 250-4S with accessories TOPARC MIG torch (250 A, 3 m) and earth cable (250 A, 4 m, 25 mm <sup>2</sup> )	033825
TRIMIG 300-4S without accessories	033832
TRIMIG 300-4S pack with accessories Binzel® MIG Grip torch (350 A, 4 m) and earth cable (400 A, 4 m, 35 mm <sup>2</sup> )	021624



Two-year warranty



Product sheet



# PROMIG

MADE IN FRANCE



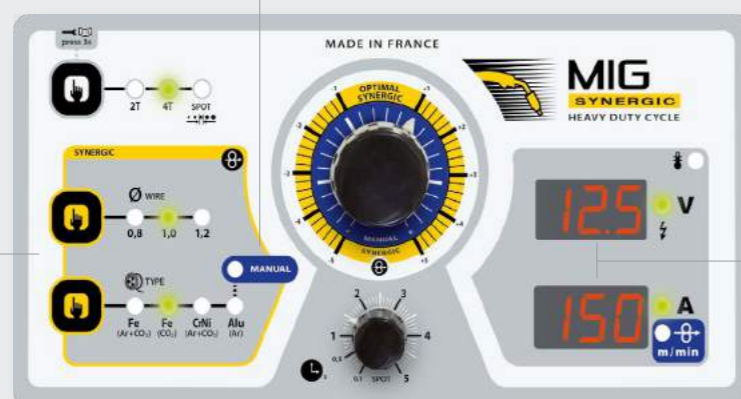
Our switchgear-equipped PROMIG range provides great flexibility in all welding operations. These five welding machines boast a three-phase, 350 A power supply and an innovative air- or water-cooling system, as well as integrated or separated reels with a two-reel version for the DUO model. This is a major advantage when using two different types, or diameters, of wire as the user no longer has to change the torches or reels.

- Welding current up to 350 A
- Available as a water-cooled model for maximum productivity (400-4S DV WS and 400 G.DV WS)
- Featuring an integrated display for accurate wire-feed speed, voltage and welding-current readings (DMOS/WPQR)
- The DUO double wire-feed reel is designed for welding steel, stainless steel and aluminium one after the other with a single machine (DUO model with optional TF-4RN wire-feed reel)
- A wide range of current and voltage settings to optimise the settings for many different wire types (0.8 - 1.2 mm) and gases
- Suitable for welding steel, stainless steel and aluminium
- 2T and 4T trigger management as well as 'SPOT' spot-welding mode
- Adjustable advanced settings: Post-Gas, Burnback and Docking speed
- The welding settings can be easily adjusted in both manual and synergy mode
- This device is fitted with ventilation fans for maximum cooling and is protected against thermal overheating

Five available models



MANUAL mode:  
- Choose the welding voltage (switch)  
- Adjust the wire-feed speed



In SYNERGY mode, the unit automatically adjusts the wire-feed speed as well as the Post-Gas and Burnback features

Display: voltage, current and wire-feed speed (manual mode)



## Specifications

	400-4S	400-4S DV WS	400-4S DUO DV	400 G.DV	400 G.DV WS	TF-4RN	TF-4W
<b>Power Supply</b>	400 V three-phase, 50/60 Hz	230/400 V three-phase, 50/60 Hz		230/400 V three-phase, 50/60 Hz	230/400 V three-phase, 50/60 Hz	24 V/3 A	
<b>Fuse</b>	20 A	40 A (230 V)/25 A (400 V)		40 A (230 V)/25 A (400 V)		-	
<b>Current range</b>		40 - 350 A		40 - 350 A		-	
<b>Duty Cycle</b> (40°C ambient temperature)	@ 35%	350 A/31.5 V		350 A/31.5 V		-	
	@ 60%	270 A/27.5 V		270 A/27.5 V		280 A	
	@ 100%	220 A/25 V		220 A/25 V		230 A	
<b>Wire-feed reel</b>	built in		and optional TF-4RN			air-cooled	liquid-cooled
<b>Built-in cooling unit</b>		Four rollers (two motorised)				Four rollers (two motorised)	
<b>Wire-feed speed</b>		1 - 20 m/min				1 - 20 m/min	
<b>Diameter of supported reels (Ø)</b>		200 - 300 mm				200 - 300 mm	
<b>Wire diameter</b>	Steel, stainless steel	0.8 - 1.2 mm		TF-4RN wire-feed reel required (optional)	TF-4W wire-feed reel required (optional)	0.8 - 1.2 mm	
	Aluminium	1.0 - 1.2 mm				1.0 - 1.2 mm	
	Flux-cored wire		0.9 - 1.6 mm			0.9 - 1.6 mm	
<b>Tension bearings</b>		14 (7x2)		14 (7x2)		-	
<b>No-load voltage</b>		17/41.5 V		17/41.5 V		-	
<b>Protection rating</b>		IP 21		IP 21		IP21	
<b>Dimensions L x W x H</b>	89 x 49 x 88 cm	89 x 49 x 106 cm	89 x 49 x 88 cm	89 x 49 x 88 cm	93 x 50 x 88 cm	60 x 26 x 51.5 cm	
<b>Weight</b>	108 kg	127 kg	109 kg	105 kg	118 kg	18 kg	
<b>Standards</b>		IEC 60974-1/5/10 A		IEC 60974-1/10 A		IEC 60974-5	
<b>Original equipment</b>	rollers	1.0/1.2 - B steel, stainless steel				1.0/1.2 - B steel, stainless steel	

## Ordering information

PROMIG 400-4S without accessories	035898
PROMIG 400-4S DV WS without accessories	061675
PROMIG 400-4S DUO DV without accessories	035911
PROMIG 400 G.DV without accessories	035904
PROMIG 400 G.DV WS without accessories	061682



Two-year warranty



Product sheet



# MAGYS

MADE IN FRANCE



The MAGYS range is designed to cope with the most demanding industrial applications. Equipped with an electronically controlled, four-roller, motorised wire-feed reel, they enjoy a very high duty cycle and a semi-synergistic settings mode. These four robust welding machines make an ideal partner for intensive work on the workshop floor.

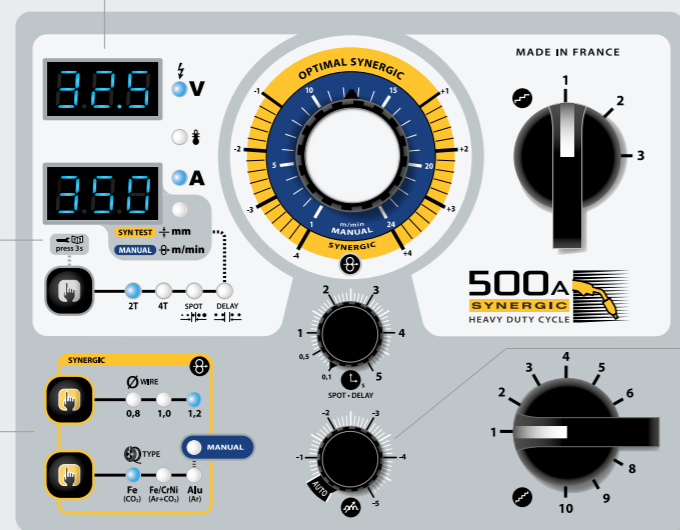
- Welding current up to 450 A
- Water-cooled model available for maximum productivity (500 WS model)
- The welding settings can be easily adjusted in both manual and synergy mode
- Arc gouging using carbon electrodes up to Ø 8 mm (model 500 GR/WS)
- Linear current adjustments and up to 30 arc-voltage positions; cutting-edge technology for all applications
- Compatible with wire diameters between Ø 0.6 -1.6 mm, dependant on the application and model
- Suitable for welding steel, stainless steel and aluminium
- 2T and 4T trigger management
- 'SPOT' or 'DELAY' welding mode
- Manual or automatic arc-dynamic adjustments (inductance)
- Adjustable advanced settings: Post-Gas, Burnback and Docking speed
- Equipped with large wheels and lifting eye bolts



Four available models



Welding settings clearly displayed: voltage, current and wire-feed speed (manual mode)



### SYNTEST $\frac{1}{2}$ mm

Indicates thickness that can be welded, depending on the chosen parameter settings, without gas or wire consumption (only in SYNERGY mode).

In SYNERGY mode, the unit automatically adjusts the Wire-feed speed as well as the Post-Gas and Burnback features

Arc-dynamics control

### Specifications

	400-4	400 GR	500 GR	500 WS	WS-4R	WS-4L	W5S-4L (compact model)
<b>Power Supply</b>	400 V three-phase, 50/60 Hz		400 V three-phase, 50/60 Hz				24 V/4 A
<b>Fuse</b>	32 A		32 A				-
<b>Current range</b>	40 - 350 A	40 - 350 A	45 - 450 A				-
<b>Duty Cycle</b> (40°C ambient temperature)	@ 50% 350 A/31.5 V @ 60% 320 A/30 V @ 100% 260 A/27 V	350 A/31.5 V 320 A/30 V 260 A/27 V	350 A/36.5 V 410 A/34.5 V 320 A/30 V			410 A 320 A	-
<b>Wire-feed reel</b>	built in Four motorised rollers	-	-		air-cooled Four motorised rollers	liquid-cooled Four motorised rollers	air/liquid Four rollers (two motorised)
<b>Built-in cooling unit</b>	-	-		■ (5.5 L)			
<b>Wire-feed speed</b>	1 - 24 m/min				1 - 24 m/min		1 - 20 m/min
<b>Diameter of supported reels (Ø)</b>	200 - 300 mm				200 - 300 mm		200 mm
<b>Wire diameter</b>	Steel, stainless steel 0.6 - 1.2 mm Aluminium 1.0 - 1.2 mm Flux-cored wire -	Wire-feed reel WS-4R or W5S-4L required (optional extra)	Wire-feed reel WS-4R or W5S-4L required (optional extra)	Wire-feed reel WS-4L or W5S-4L required (optional extra)	0.6 - 1.6 mm 1.0 - 1.6 mm 0.9 - 2.4 mm		0.6 - 1.2 mm 1.0 - 1.2 mm 0.9 - 1.2 mm
<b>Tension bearings</b>	20 (10x2)	20 (10x2)	30 (10x3)		-		-
<b>No-load voltage</b>	17/43 V	17/43 V	18/51 V		-		-
<b>Protection rating</b>	IP 23	IP 23	IP 23		IP23 S		IP21
<b>Dimensions L x W x H</b>	50 x 105 x 98 cm	50 x 105 x 98 cm	50 x 105 x 98 cm	50 x 105 x 98 cm	25 x 59 x 56 cm		23 x 32 x 49 cm
<b>Weight</b>	130 kg	130 kg	160 kg	160 kg	17 kg		15 kg
<b>Standards</b>	IEC 60974-1/5/10 A	IEC 60974-1/5/10 A	IEC 60974-1/10 A		IEC 60974-5		
<b>Original equipment</b>	rollers steel, stainless steel				1.0/1.2 - C steel, stainless steel		0.8/1.0 - B steel, stainless steel

### Ordering information

MAGYS 400-4 without accessories	032170
MAGYS 400-GR without accessories	032187
MAGYS 500-GR without accessories	032194
MAGYS 500-WS without accessories	032200



Two-year warranty



Product sheet



Wire-feed reel	Type-B rollers (x2)	Earth cable (400 A / 4 m/50 mm <sup>2</sup> )	Cable bundle	MIG/MAG torch GRIP
TF-4RN 061699	TF-4W 061705	d'origine Ø 1.0/1.2 steel/stainless steel	Ø 1.0/1.2 - alu 040915	047853
				Steel
				Steel

**PROMIG 400-4S Packs**

								air-cooled	air-cooled
1	035928							040946 350 A - 4 m	
2	035935								040731 350 A - 3 m

**PROMIG 400-4S DV WS Packs**

								liquid-cooled	liquid-cooled
1	062740							041004 500 A - 4 m	
2	062757								046160 500 A - 3 m

**PROMIG G.DV Packs**

								air-cooled	air-cooled	air-cooled
1	035942							034860 - 10 m	040946 350 A - 4 m	
2	036109							034839 - 5 m		
3	035959							034860 - 10 m		040731 350 A - 3 m
4	036116							034839 - 5 m		

**PROMIG-4S DUO DV Packs**

								air-cooled	air-cooled	air-cooled
1	035966							040946 350 A - 4 m		
2	035973									
3	035980							034860 - 10 m	040946 350 A - 4 m	040731 350 A - 3 m
4	036123							034839 - 5 m		

**PROMIG 400 G.DV WS Packs**

								liquid-cooled	liquid-cooled	liquid-cooled
1	062764							033641 - 5 m	041004 500 A - 4 m	
2	062771							033658 - 10 m		
3	062788							033641 - 5 m		046160 500 A - 3 m
4	062795							033658 - 10 m		

Wire-feed reel	Type-C rollers	Earth cable	Cable bundle	MIG/MAG torch GRIP
WS-4R 061699	WS-4L 061705	W5S-4L 032835	original equipment steel/stainless steel Ø 1.0/1.2	Ø 1.0/1.2 - alu 042162
			400 A - 4 m 047853	600 A - 4 m (vice-grip pliers) 043831
				Steel
				Aluminium

**MAGYS 400-4 Packs**

									air-cooled	air-cooled
1	032279								040946 350 A - 4 m	
2	032286									040731 350 A - 3 m

**MAGYS 400-GR Packs**

									air-cooled	air-cooled	air-cooled
1	032293								034860 - 10 m	040946 350 A - 4 m	
2	032309										040731 350 A - 3 m
3	036451								034839 - 5 m	040946 350 A - 4 m	
4	032316								034860 - 10 m		

**MAGYS 500-GR Packs**

									air-cooled	air-cooled	air-cooled
1	032323								045941 - 10 m	045392 450 A - 4 m	
2	036468								034839 - 5 m		

**MAGYS 500-SW Packs**

									liquid-cooled	liquid-cooled	liquid-cooled
1	032330								033658 - 10 m	041004 500 A - 4 m	
2	036475								033641 - 5 m		
3	032347										046160 500 A - 3 m
4	032354								033658 - 10 m	041004 500 A - 4 m	



# MULTIEPEARL

3-in-1 multi-processing

MADE IN FRANCE



Three available models



Our MULTIEPEARL machines are 3-in-1, multi-processing welding units capable of carrying out MIG/MAG (with or without gas), DC TIG (with arc-lift ignition) and MMA welding with incredible precision. They feature nine pre-installed welding synergies to simplify the setting up and assembling of sheet metal up to 6 mm thick in any position.

- Welding current up to 200 A
- Available as a compact model or on a trolley with a designated storage area
- The welding settings can be easily adjusted in both manual and synergy mode
- Compatible with Ø 0.6 - 1 mm wires depending on the application
- 2T and 4T trigger management
- Suitable for welding steel, stainless steel and aluminium
- Easy polarity switching for using flux-cored wire without gas shielding
- MMA: weld with rutile, basic, stainless steel and cast iron electrodes (up to Ø 5 mm)
- Three separate welding-assistance systems: Hot Start (adjustable), Arc Force (adjustable) and Anti-Stick
- Single-phase, Flexible-Voltage (FV) power supply from 85 - 265 V with integrated PFC technology for better mains operation

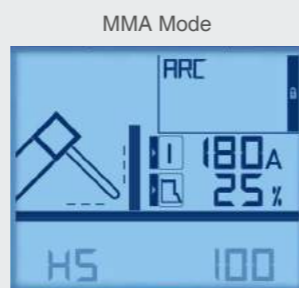
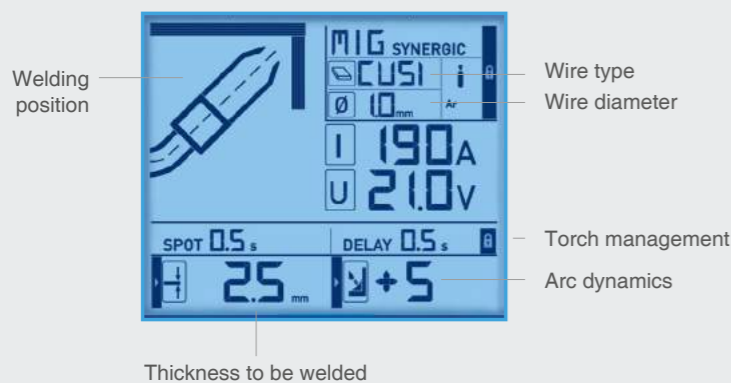


### Specifications

		210-2	210-4 XL	211-4
<b>Power Supply</b>		230 V 1 ph, 50/60 Hz	110 V 1 ph, 50/60 Hz	
<b>Fuse</b>		16 A	32 A	
<b>Current range</b>	MIG/MAG		20-150 A	
	TIG	20-200 A	20-160 A	
	MMA		20-130 A	
<b>Duty Cycle</b> (40°C ambient temperature)	MIG MAG	Imax	200 A à 20%	150 A à 22%
		at 60%	130 A / 20.5 V	100 A / 19.0 V
	TIG	Imax	200 A à 22%	160 A à 20%
		at 60%	135 A / 15.4 V	115 A / 14.6 V
	MMA	at 100%	110 A / 19.5 V	90 A / 18.5 V
		at 100%	90 A / 23.6 V	75 A / 23.0 V
<b>Wire-feed reel</b>	speed	1 - 15 m/min		
		Two rollers (one motorised)		Four rollers (two motorised)
<b>Diameter of supported reels (Ø)</b>		100-200 mm	200-300 mm	
<b>Wire diameter</b>	Steel	0.6 - 1 mm		
	Stainless steel	0.8 - 1 mm		
	Aluminium	0.8 - 1 mm		
	Flux-cored wire	0.9 - 1.2 mm		
<b>Protection rating</b>		IP 21		
<b>Dimensions L x W x H</b>		25 x 45 x 35 cm	27.5 x 55 x 44 cm	41 x 73 x 77 cm
<b>Weight</b>		16 kg	20 kg	27 kg
<b>Original equipment</b>	rollers	0.6/0.8 - A steel, stainless steel		0.6/0.8 - B steel, stainless steel

Also applicable to the MULTIEPEARL 210-2

MIG/MAG SYNERGY Mode:  
Automatically calculates the wire-feed speed and the voltage



### Ordering information

MULTIEPEARL 210-2 with accessories TOPARC MIG Torch (250 A, 3 m), electrode holder (2 m) and earth cable (2.5 m)	065093
MULTIEPEARL 210-4XL with accessories TOPARC MIG Torch (250 A, 3 m), electrode holder (2 m) and earth cable (2.5 m)	065109
MULTIEPEARL 211-4 with accessories TOPARC MIG Torch (250 A, 3 m), electrode holder (2 m) and earth cable (2.5 m)	065116



Two-year warranty



Product sheet



# MULTIWELD

2-in-1 multi-process inverter



The MULTIWELD range, powered by a single-phase power supply, are 2-in-1 multi-process welding machines capable of MIG/MAG (with or without gas) and MMA welding up to 220 A. These three appliances are available as compact models or with a trolley. IGBT transistor technology offers excellent arc characteristics as well as being highly reliable.

- Welding current up to 220 A
- Available as a compact model or on a trolley with a designated storage area
- Its digital-display user interface offers clear and precise setting adjustments
- Compatible with wire diameters between Ø 0.6 - 1 mm depending on the application and machine model
- Suitable for welding steel, stainless steel and aluminium
- Easy polarity switching for using flux-cored wire without gas shielding
- Manually adjust the arc dynamics (inductance)
- MMA: weld with rutile, basic, stainless steel and cast iron electrodes (up to Ø 5 mm)
- One MMA welding aid: Anti-Stick (activated as default)
- Pre-installed connection (36 V AC/4.2 A) for gas heaters during pure-CO2 welding
- IP 23 - suitable for outdoor use (FV 220 model)
- Handles - allowing the devices to be mechanically lifted and moved



Five available models



Welding voltage

Choice of welding process

2T and 4T trigger management (depending on the model)

Arc dynamics

MIG/MAG : Wire-feed speed  
MMA: Welding voltage



## Specifications

		160M	200M-C	200M	FV 220M-C / FV 220M	
<b>Power Supply</b>		230 V 1 ph, 50/60 Hz	230 V 1 ph, 50/60 Hz	230 V 1 ph, 50/60 Hz	110 V 1 ph, 50/60 Hz	
<b>Fuse</b>		16 A	16 A	16 A	32 A	
<b>Current range</b>	MIG/MAG	30-160 A	30-200 A	30-220 A	30-140 A	
	MMA	20-140 A	30-180 A	30-200 A	30-120 A	
<b>Duty Cycle</b> (40°C ambient temperature)	MIG MAG	Imax	160 A at 20%	200 A at 15%	220 A at 20%	140 A at 30%
		at 60%	95 A / 18.8 V	115 A / 19.7 V	160 A / 22 V	110 A / 19.5 V
	MMA	at 100%	75 A / 17.8 V	90 A / 18.5 V	120 A / 20 V	90 A / 18.5 V
		Imax	140 A à 20%	180 A à 15%	200 A à 20%	120 A à 30%
	at 60%	90 A / 23.6 V	104 A / 24.2 V	140 A / 25.6 V	100 A / 24 V	
	at 100%	70 A / 22.8 V	80 A / 23.2 V	100 A / 24 V	80 A / 23.2 V	
<b>Wire-feed reel</b>	speed	3 - 10 m/min	2 - 13 m/min	2 - 15 m/min	2 - 11 m/min	
	⊗	2 rollers (1 motorised)	4 rollers (2 motorised)	4 rollers (2 motorised)	4 rollers (2 motorised)	
<b>Diameter of supported reels (Ø)</b>		200-300 mm	200-300 mm	200-300 mm	200-300 mm	
<b>Wire diameter</b>	Steel	0.6 - 0.8 mm	0.6 - 1.0 mm	0.6 - 1 mm	0.6 - 1 mm	
	Stainless steel	0.8 mm	0.8 mm - 1 mm	0.8 - 1 mm	0.8 - 1 mm	
	Aluminium	0.8 - 1 mm	0.8 - 1 mm	0.8 - 1 mm	0.8 - 1 mm	
	Cored wire	0.9 mm	0.9 mm	0.9 mm	0.9 - 1.2 mm	
<b>Welds with electrodes up to Ø</b>		1.6 - 3.2 mm	1.6 - 4 mm	1.6 - 5 mm	1.6 - 3.2 mm	
<b>Protection rating</b>		IP 21	IP 23	IP 21	IP 23	
<b>Dimensions L x W x H</b>		77 x 79 x 47 cm	53 x 52 x 34 cm	77 x 79 x 47 cm	<b>FV 220M-C</b> 58 x 52 x 34 cm	<b>FV 220M</b> 77 x 79 x 47
<b>Weight</b>		34 kg	26 kg	34 kg	24 kg	32 kg
<b>Original equipment</b>	rollers	0.8/1.0 - A steel, stainless steel	0.8/1.0 - A steel, stainless steel	0.8/1.0 - A steel, stainless steel	0.8/1.0 - A steel, stainless steel	0.8/1.0 - A steel, stainless steel

## Ordering information

MULTIWELD 160M with accessories TOPARC MIG Torch 150A - 3 m + electrode holde 2 m + earth cable 2 m	013612
MULTIWELD 200M-C with accessories TOPARC MIG Torch 250A - 3 m + electrode holde 2 m + earth cable 2 m	066588
MULTIWELD 200M with accessories TOPARC MIG Torch 250A - 3 m + electrode holde 2 m + earth cable 2 m	066595
MULTIWELD FV 220M-C with accessories TOPARC MIG Torch 250A - 3 m + electrode holde 2 m + earth cable 2.5 m	065499
MULTIWELD FV 220M with accessories TOPARC MIG Torch 250A - 3 m + electrode holde 2 m + earth cable 2.5 m	065482



Two-year warranty



Product sheet



# MULTIWELD

2-in-1 multi-process inverter



The MULTIWELD range, powered by a three-phase power supply, is very effective for manufacturing parts made of non-alloyed and high-alloyed metals that require high welding performance. These versatile machines enable the use of two welding processes, MIG/MAG (with or without gas) and MMA up to 320 A. IGBT transistor technology offers excellent arc characteristics as well as being highly reliable.

- Welding current up to 320 A
- Available as a compact model or on a trolley with a designated storage area
- It's digital-display user interface offers clear and precise setting adjustments
- Compatible with Ø 0.6 - 1.2 mm wires, depending on the application
- Suitable for welding steel, stainless steel and aluminium
- Easy polarity switching for using flux-cored wire without gas shielding
- Manually adjust the arc dynamics
- MMA: weld with rutile, basic, stainless steel and cast iron electrodes (up to Ø 6 mm)
- One MMA welding aid: Anti-Stick (activated as default)
- Pre-installed connection (36 V AC/4.2 A) for gas heaters during pure-CO2 welding
- IP 23 - suitable for outdoor use (version 320)
- Handles - allowing the devices to be mechanically lifted and moved



Four available models



## Specifications

	250T-C	250T	320T-C	320T
<b>Power Supply</b>	400 V three-phase, 50/60 Hz		400 V three-phase, 50/60 Hz	
<b>Fuse</b>	16 A		16 A	
<b>Current range</b>	40 - 250 A		40 - 320 A	
	MIG/MAG			
	MMA	40 - 220 A	40 - 250 A	40 - 300 A
<b>Duty Cycle</b> (40°C ambient temperature)	MIG	Imax	250 A @ 20%	250 A @ 30%
	MAG	@ 60%	170 A/22.5 V	200 A/24 V
		@ 100%	130 A/20.5 V	180 A/23 V
	MMA	Imax	220 A @ 20%	250 A @ 30%
	@ 60%	150 A/26 V	200 A/28 V	180 A/27.2 V
	@ 100%	120 A/24.8 V	180 A/27.2 V	140 A/25.6 V
<b>Wire-feed reel</b>	speed	2 - 15 m/min		3 - 18 m/min
		Four rollers (two motorised)		Four rollers (two motorised)
<b>Diameter of supported reels (Ø)</b>		200 - 300 mm		200 - 300 mm
<b>Wire diameter</b>	Steel	0.6 - 1.2 mm		0.6 - 1.2 mm
	Stainless steel	0.8 - 1.2 mm		0.8 - 1.2 mm
	Aluminium	0.8 - 1 mm		0.8 - 1 mm
	Flux-cored wire	0.9 - 1.2 mm		0.9 - 1.2 mm
<b>Welds with electrodes up to Ø</b>		1.6 - 5 mm		1.6 - 6 mm
<b>No-load voltage</b>		59 V		64 V
<b>Protection rating</b>		IP 21		IP 23
<b>Dimensions L x W x H</b>	58 x 52 x 32 cm	77 x 79 x 47 cm	65 x 52 x 34 cm	77 x 79 x 47 cm
<b>Weight</b>	32 kg	40 kg	38 kg	44 kg
<b>Standards</b>	IEC 60974-1/5/10 A		IEC 60974-1/5/10 A	
<b>Original equipment</b>		0.8/1.0 - A	0.8/1.0 - B	
		steel, stainless steel	steel, stainless steel	

## Ordering information

MULTIWELD 250T-C without accessories	014572
MULTIWELD 250T-C Packs Binzel® MIG Grip torch (250 A, 4 m), electrode holder (4 m) and earth cable (4 m)	062238
MULTIWELD 250T without accessories	031678
MULTIWELD 250T Pack Binzel® MIG Grip torch (250 A, 4 m), electrode holder (4 m) and earth cable (4 m)	014756
MULTIWELD 320T-C without accessories	063037
MULTIWELD 320T-C Pack Binzel® MIG Grip torch (350 A, 4 m), electrode holder (4 m) and earth cable (4 m)	065130
MULTIWELD 320T without accessories	062467
MULTIWELD 320T Pack Binzel® MIG Grip torch (350 A, 4 m), electrode holder (4 m) and earth cable (4 m)	065123



Two-year warranty



Product sheet



# EXAGON 400 CC/CV

7-in-1 multi-processing CC/CV inverter



The EXAGON 400 CC/CV delivers a maximum power of 400 A. With its 7-in-1, multi-process design, this device brings a new perspective to the traditional welding landscape. It has multiple operating modes: MMA, Pulsed MMA, MIG/MAG, DC TIG with Arc-Lift or HF ignition and arc gouging. Its versatility is reflected in how easy it is to use and how well it performs in all sectors (construction sites, workshops and shipbuilding alongside pipe and pipeline welding).



- MMA welding:** weld with all rutile, basic, stainless steel, cast iron and cellulosic electrodes (up to Ø 6 mm)
- PULSED MMA welding:** ideal for vertical-up welding as the frequency can be adjusted
- DC TIG welding with Arc-Lift ignition** (Ø 1.6 - 3.2 mm)
- Arc gouging** with a carbon electrode (up to Ø 6.5 mm)
- MIG/MAG welding** with solid wire (Ø 0.6 - 1.6 mm) or flux-cored wire (< Ø 2.4 mm), an optional heavy-duty wire-feed reel found in the NOMADFEED carry case will be required for this application
- MIG/MAG welding** with solid wire (Ø 0.6 - 1.6 mm) or flux-cored wire (< Ø 2.4 mm), the wire-feed reel found in the EXAFEED carry case will be required for this application
- DC TIG welding with HF ignition** (the optional EXATIG machine is required for this application)

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Overheating protection and a thermostatically controlled ventilation fan

Main settings:  
• Current (MMA and TIG)  
• Voltage (MIG/MAG and gouging)

Secondary settings:  
• Arc Force (MMA)  
• Dynamic arc (MIG/MAG)

- MMA WELDING
- PULSED MMA WELDING
- MIG/MAG welding with a voltage-sensing wire-feed reel (NOMADFEED)
- MIG/MAG welding with a specialised workshop wire-feed reel (EXAFEED)
- Arc-Lift DC TIG
- Gouging



## Additional features

- Welding current/voltage displayed for DMOS
- The VRD (voltage reduction device) can be switched on to reduce the no-load output voltage to 35 V
- Optional remote control (foot switch or manual control)
- Can store up to 50 programs per process
- Easy, tool-free software updates via a USB cable
- Lockable keyboard to prevent operating errors
- Three separate welding-assistance systems: Hot Start (adjustable), Arc Force (adjustable) and Anti-Stick
- TIG welding: Automatic arc fade with adjustable timing feature
- Quickly browse the parameter settings
- Reinforced bodywork
- Two steel handles for easy moving and lifting
- IP23 classification for wet environments
- Hermetically sealed ventilation corridor to isolate electronic components from dust

## Specifications

	EXAGON 400 CC/CV	EXAFEED-4L	NOMADFEED 425-4
<b>Power Supply</b>	400 V 3 ph, 50/60 Hz	24 V / 4 A 48 V / 2 A	17-113 V DC 30-80 V AC
<b>Fuse</b>	32 A	-	15 A
<b>Current range</b>	MIG/MAG 15-400 A MMA 20-400 A TIG 10-400 A	-	-
<b>Duty Cycle</b> (40°C ambient temperature)	at 60% 400 A at 100% 350 A	500 A 400 A	425 A 300 A
<b>Wire-feed reel</b>	Cooled torch -	air / liquid	air
		Four motorised rollers	
<b>Cooling unit</b>	EXACOO (option)	-	
<b>Wire-feed speed</b>		1 - 22 m/min	1 - 24 m/min
<b>Diameter of supported reels (Ø)</b>		200-300 mm	
<b>Wire diameter</b>	Steel, stainless steel Aluminium Flux-cored wire	Optional wire-feed reel required	0.6 - 1.6 mm 1.0 - 1.6 mm 0.9 - 2.4 mm
<b>No-load voltage</b>	84 V (< 35 V VRD On)	-	-
<b>Protection rating</b>	IP 23	IP23	
<b>Dimensions L x W x H</b>	58 x 52 x 30 cm	67 x 30 x 23 cm	60 x 22 x 43 cm
<b>Weight</b>	32 kg	19 kg	14,6 kg
<b>Original equipment</b>	rollers	1.0/1.2 - C steel, stainless steel	1.2/1.6 - E & C flux-cored wire

## Ordering information

EXAGON 400 CC-CV without accessories	010925
EXAFEED-4L wire-feed reel without accessories	032408
NOMADFEED 425-4 CC/CV wire-feed reel carry case without accessories	036291



Two-year warranty



Product sheet EXAGON



Product sheet EXAFEED



Product sheet NOMADFEED



# EXAGON 400 MV

Multi-voltage 208 > 525 V



EXAGON 400 MV is a multi-voltage welding machine compatible with the various worldwide electrical networks between 208 and 525 V, single or three-phase. With its 7-in-1 multi-process concept, this device brings a new wind in the traditional welding landscape. It has multiple working modes: MMA, MMA Pulse, MIG/MAG, TIG DC with Lift or HF ignition and arc gouging.



MADE IN FRANCE

- MMA welding:** weld with all rutile, basic, stainless steel, cast iron and cellulosic electrodes (up to Ø 6 mm)
- PULSED MMA welding:** ideal for vertical-up welding as the frequency can be adjusted
- DC TIG welding with Arc-Lift ignition** (Ø 1.6 - 3.2 mm)
- Arc gouging** with a carbon electrode (up to Ø 6.5 mm)
- MIG/MAG welding** with solid wire (Ø 0.6 - 1.6 mm) or flux-cored wire (< Ø 2.4 mm), an optional heavy-duty wire-feed reel found in the NOMADFEED carry case will be required for this application
- MIG/MAG welding** with solid wire (Ø 0.6 - 1.6 mm) or flux-cored wire (< Ø 2.4 mm), the wire-feed reel found in the NEOFEED carry case will be required for this application
- DC TIG welding with HF ignition** (the optional EXATIG machine is required for this application)



## Additional features

- Welding current/voltage displayed for DMOS
- The VRD (voltage reduction device) can be switched on to reduce the no-load output voltage to 35 V
- Optional remote control (foot switch or manual control)
- Can store up to 50 programs per process
- Easy, tool-free software updates via a USB cable
- Lockable keyboard to prevent operating errors
- Three separate welding-assistance systems: Hot Start (adjustable), Arc Force (adjustable) and Anti-Stick
- TIG welding: Automatic arc fade with adjustable timing feature
- Quickly browse the parameter settings
- Reinforced bodywork
- Two steel handles for easy moving and lifting
- IP23 classification for wet environments
- Hermetically sealed ventilation corridor to isolate electronic components from dust

## Specifications

	EXAGON 400 MV		NEOFEED-4W	NOMADFEED 425-4
	208-525 V 1 ph, 50/60 Hz	208-525 V 3 ph, 50/60 Hz	24 V / 1 A 48 V / 2 A	17-113 V DC 30-80 V AC
<b>Power Supply</b>				
<b>Fuse</b>	32 A / 63 A		-	15 A
<b>Current range</b>	MIG/MAG	15-270 A	10-400 A	-
	MMA	15-270 A	15-400 A	-
	TIG	10-270 A	10-400 A	-
<b>Duty Cycle</b> (40°C ambient temperature)	at 60%	270 A	400 A	500 A
	at 100%	220 A	350 A	460 A
<b>Wire-feed reel</b>	Cooled torch	-	-	air / liquid
				air
<b>Wire-feed reel</b>				Four motorised rollers
<b>Cooling unit</b>	in development			-
<b>Wire-feed speed</b>			1 - 22 m/min	1 - 24 m/min
<b>Diameter of supported reels (Ø)</b>			200-300 mm	
<b>Wire diameter</b>	Steel, stainless steel	Optional wire-feed reel required	0.6 - 1.6 mm	
	Aluminium		0.8 - 1.6 mm	1 - 1.6 mm
	Flux-cored wire		0.9 - 2.4 mm	
<b>No-load voltage</b>	84 V (< 35 V VRD On)		-	-
<b>Protection rating</b>	IP 23		IP23	
<b>Dimensions L x W x H</b>	66 x 52 x 30 cm		63 x 44 x 29 cm	60 x 22 x 43 cm
<b>Weight</b>	36 kg		19 kg	14,6 kg
<b>Original equipment</b>	galets	-	1.0/1.2 - C acier, inox	1.2/1.6 - E & C fil fourré

## Ordering information

EXAGON 400 MV - without accessories	069718
NEOFEED-4W wire-feed - without accessories	014527
NOMADFEED wire-feed 425-4 CC/CV - without accessories	036291



Overheating protection and a thermostatically controlled ventilation fan

Main settings:  
• Current (MMA and TIG)  
• Voltage (MIG/MAG and gouging)

Secondary settings:  
• Arc Force (MMA)  
• Dynamic arc (MIG/MAG)

- MMA WELDING
- PULSED MMA WELDING
- MIG/MAG welding with a voltage-sensing wire-feed reel (NOMADFEED)
- MIG/MAG welding with a specialised workshop wire-feed reel (EXAFEED)
- Arc-Lift DC TIG
- Gouging



Two-year warranty



Product sheet EXAGON MV



Product sheet NEOFEED



Product sheet NOMADFEED



# NEOPULSE 220 C XL

Pulsed MIG/MAG



The single-phase NEOPULSE range with built-in wire-feed reel is the ideal solution for industrial, multi-process welding. These two, digital, pulsed MIG/MAG welding units have an excellent duty cycle despite their compact size; this increases productivity and mobility on the workshop floor.



- Welding current 10 - 220 A
- Digital technology provides very precise arc control resulting in high-quality welds
- Available as an XL model (Ø reels: Ø 200/300 mm) or as a compact (C) model (Ø reel: Ø 200 mm)
- The pulsed feature reduces heat input and minimises spatter
- Up to 160 pre-programmed synergy guidelines
- Six MIG/MAG welding modes:
  - **Dynamic:** Universal, high-speed mode
  - **Impact:** Concentrated arc with deep penetration
  - **Root:** Chamfered root pass
  - **Pulsed:** Easy to handle in any position with minimal spatter
  - **ColdPulse:** Spatter-free brazing
  - **Modular:** Featuring TIG welding with the productivity of MIG welding
- Compatible with Ø 0.6 - 1.2 mm wires depending on the application
- Traceability feature: Records all stages of the welding operation, bead by bead, during industrial production processes (EN ISO 3834)
- Portable: Backup the user jobs as well as the machine's configuration from a USB key
- Energy: Displays and calculates energy usage after welding

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Two-year warranty



Product sheet



## Additional features

- Calibrate the wire-feed speed and welding accessories (torch and cable, etc.)
- Simple polarity changes for using flux-cored wire without gas shielding
- Can store up to 500 programs per process
- Update the machine and the synergies via a USB key
- Lockable interface to prevent involuntary changes
- Three individual display modes suitable for: Easy, Expert and Advanced users
- User-profile management means that the device can be used by many different welding professionals
- Pulsed MMA and Pulsed TIG modes
- Two steel handles make it easy to move the appliance
- IP23 classification for wet environments
- Internal lighting system for the motorised wire-feed reel
- Compatible Push-Pull Torch (24 V)

## Specifications

<b>Power Supply</b>	230 V 1 ph, 50/60 Hz		
<b>Fuse</b>	16 A		
<b>Current range</b>	MIG/MAG - MMA - TIG	10-220 A	
<b>Duty Cycle</b> (40°C ambient temperature)	MIG/MAG	at 20%	220 A / 25 V
		at 60%	150 A / 21.5 V
		at 100%	130 A / 20.5 V
	MMA	at 20%	220 A / 28.8 V
		at 60%	150 A / 26 V
		at 100%	120 A / 24.8 V
TIG	at 25%	220 A / 18.8 V	
	at 60%	160 A / 16.4 V	
	at 100%	150 A / 16 V	
<b>Wire-feed reel</b>	speed	0.5 - 20 m/min	
		4 rollers (2 motorised)	
<b>Diameter of supported reels (Ø)</b>	200-300 mm		
<b>Wire diameter</b>	Steel, stainless steel	0.6 - 1.0 mm	
	Aluminium	0.8 - 1.2 mm	
	CuSi / CuA	0.8 - 1.0 mm	
	Flux-cored wire	0.9 - 1.2 mm	
<b>Welds with electrodes up to Ø</b>	1.6 - 5 mm		
<b>Protection rating</b>	IP 23S		
<b>Dimensions L x W x H</b>	61 x 32 x 49 cm		
<b>Weight</b>	30 kg		
<b>Original equipment</b>	rollers	0.8/1.0 - B - steel, stainless steel	

## Ordering information

NEOPULSE 220 C XL - sans accessoires

061842

Ultra-intuitive, 5-inch, colour user-interface



Check out all the GYS synergies



# NEOPULSE

## Pulsed MIG/MAG



Three-phase NEOPULSE machines are suitable for all tasks: synergy-supported and pulsed welding, MMA and TIG welding, MIG brazing and air-arc gouging. These smart devices offer extremely accurate arc control, industrial welding capabilities (up to 500 A) and integrated traceability. They have been specifically designed to be as user-friendly as possible for welders.



- Accurate welding current up to 500 A
- Digital technology provides very precise arc control resulting in high-quality welds
- Three available models:
  - Compact (C)
  - Water-cooled model on a trolley (CW)
  - Machine only with optional, remote reel (G)
- The pulsed feature reduces heat input and minimises spatter
- Up to 160 pre-programmed synergy guidelines
- Six MIG/MAG welding modes:
  - **Dynamic**: Universal, high-speed mode
  - **Impact**: Concentrated arc with deep penetration
  - **Root**: Chamfered root pass
  - **Pulsed**: Easy to handle in any position with minimal spatter
  - **ColdPulse**: Spatter-free brazing
  - **Modularc**: Featuring TIG welding with the productivity of MIG welding
- Compatible with wire diameters between Ø 0.6 -1.6 mm, depending on the application and model
- Traceability feature: Records all stages of the welding operation, bead by bead, during industrial production processes (EN ISO 3834)
- Portable: Backup the user jobs as well as the machine's configuration from a USB key

Four available models



User name/traceability

Voltage, Current and Energy measurements

General menu access (User settings, System, Locking and Tracking, etc.)

Storing and recalling jobs

Current-process settings

Welding-cycle settings

Turn dials



### Additional features

- Ultra-intuitive, 5-inch, colour user-interface
- Energy: displays and calculates energy usage after welding
- Calibrates the wire-feed speed and welding accessories (torch and cable, etc.)
- Can store up to 500 programs per process
- Update the machine and the synergies via a USB key
- Lockable interface to prevent involuntary changes
- Three individual display modes suitable for: Easy, Expert and Advanced users
- User-profile management means that the device can be used by many different welding professionals
- Pulsed MMA and TIG modes
- Arc gouging with a carbon electrode up to Ø 8 mm
- IP23 classification for wet environments
- Compatible Push-Pull Torch (24 V)

### Specifications

	320 C	400 CW	400 G	500 G	NEOFEED-4W
<b>Power Supply</b>	400 V 3 ph, 50/60 Hz				24 V / 1 A 48 V / 2 A
<b>Fuse</b>	32 A				-
<b>Current range</b>	10-320 A	10-400 A	10-400 A	10-500 A	-
<b>Duty Cycle</b> (40°C ambient temperature)	Imax 320 at 40% at 60% at 100% 300 A 280 A	- 400 A 360 A	- 400 A 360 A	500 at 50% 470 A 440 A	- 500 A 460 A
<b>Wire-feed reel</b>	Cooled torch air	air / liquid	NEOFEED (option)		air / liquid Four motorised rollers
<b>Wire-feed speed</b>	1 - 22 m/min				1 - 22 m/min
<b>Cooling unit</b>	WCU 1kW C (option)	built in 1 kW	NEOCOOL (option)		-
<b>Diameter of supported reels (Ø)</b>	200-300 mm				200-300 mm
<b>Wire diameter</b>	Steel 0.6 - 1.2 mm	0.6 - 1.6 mm	Wire-feed reel NEOFEED-4W required (optional extra)	0.6 - 1.6 mm	0.6 - 1.6 mm
	Stainless steel 0.8 - 1.2 mm	0.6 - 1.6 mm		0.6 - 1.6 mm	0.6 - 1.6 mm
	Aluminium 0.8 - 1.2 mm	0.8 - 1.6 mm		0.8 - 1.6 mm	0.8 - 1.6 mm
	CuSi / CuAl 0.8 - 1.0 mm	0.8 - 1.6 mm		0.8 - 1.6 mm	0.8 - 1.6 mm
	Flux-cored wire 0.9 - 1.6 mm	0.9 - 2.4 mm		0.9 - 2.4 mm	0.9 - 2.4 mm
<b>Welds with electrodes up to Ø</b>	1.6 - 5 mm	1.6 - 6 mm	1.6 - 6 mm	-	-
<b>Protection rating</b>	IP 23			IP 23	IP 23
<b>Dimensions L x W x H</b>	68 x 30 x 55 cm	96 x 51 x 85 cm	68 x 30 x 42 cm	63 x 44 x 29 cm	
<b>Weight</b>	36 kg	78 kg	28.5 kg	29 kg	19 kg
<b>Original equipment</b>	rollers	1.0/1.2 - F - steel, stainless steel	-	-	1.0/1.2 - F - steel, stainless steel

### Ordering information

NEOPULSE 320 C without accessories	062474
NEOPULSE 400 CW without accessories	062061
NEOPULSE 400 G without accessories	014497
NEOPULSE 500 G without accessories	014503
NEOFEED-4W wire-feed reel without accessories	014527



Check out all the GYS synergies



Two-year warranty



Product sheet



## NEOFEED-4W



The separate NEOFEED-4W wire feeder allows for precise configuration and control of the welding cycle. Its intuitive digital interface makes it easy to adjust the welding parameters. Its ultra-precise wire feeder offers manufacturers maximum productivity on all types of alloys.



- Welding machine compatibility :
  - NEOPULSE 320 C (062474)
  - NEOPULSE 400 CW (062061)
  - NEOPULSE 400 G (014497)
  - NEOPULSE 500 G (014503)
  - EXAGON 400 MV (069718)
- Electronically controlled motorized reel (100 W) with 4 driven rollers
- Compatible with air and liquid cooled torches
- Internal lighting of the motorized reel and the coil
- Viewing window to check the consumption of the filler wire
- Push-Pull torch compatible (24 V / 42 V)
- Integrated torch holder
- IP23 enclosure
- Remote wire feeder settings with 2 optional remote controls (digital or analog)
- 4 rings for slinging

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Two-year warranty



Product sheet

### Specifications

Power Supply	Wire-feed speed	Type of roller	Wire diameter	Supported reels
48 V - 2 A 24 V - 1 A	1 - 22 m/min	4 motorised rollers Ø 37 mm (Type F)	0.6 > 2.4 mm	5 kg - Ø 200 mm 18 kg - Ø 300 mm
Duty Cycle (40°C ambient temperature)	Protection rating	Dimensions L x W x H	Weight	
500 A at 60% 460 A at 100%	IP23	63 x 44 x 29 cm	19 kg	

### Ordering information

Wire-feed NEOFEED-4W without accessories 014527

## Double wire-feed NEOFEED-4W (x2)



The dual wire feeder saves a lot of time when the user regularly changes the wire. The intelligent welding machine automatically determines which wire feeder is active by simply pulling the trigger on the torch.



Pack, see page 81

- Welding machine compatibility (optional NUM-2 kit required) :
  - NEOPULSE 400 G (014497)
  - NEOPULSE 500 G (014503)
- Optional accessories :



Extender for double wire feeder (064690)



Trolley T/M 400 (037328)



Cooling unit TWINCOOL 1000 W - 5.5 L (065086)



NUM-2 kit to be installed in the welding machine (064942)



Connection cable (x2)

air		
1.8 m	70	071780
5 m	mm <sup>2</sup>	047587
10 m		047594
10 m		047600
15 m	95	038349
20 m	mm <sup>2</sup>	038431
liquid		
1.8 m	70	037243
5 m	mm <sup>2</sup>	047617
10 m		047624
10 m		047631
15 m	95	038448
20 m	mm <sup>2</sup>	038455





EXAGON 400 CC/CV Packs

1	012417	■		10 m, air-cooled, Ø 70 mm² 047594		TYPE C, Ø 1/1.2	■	■		350 A, 4 m 040946
2	013377	■		5 m, air-cooled, Ø 70 mm² 047587		TYPE C, Ø 1/1.2	■	■		

liquid cooled

3	012424	■	■	10 m, liquid-cooled, Ø 95 mm² 047631		TYPE C, Ø 1/1.2	■	■		500 A, 4 m 041004
4	013384	■	■	5 m, liquid-cooled, Ø 70 mm² 047617		TYPE C, Ø 1/1.2	■	■		

air

5	013421									450 A, 4 m 045392
6	013438									

EXAGON 400 MV Packs

1	076297		■	5 m, air, Ø 70 mm² 047594		TYPE F, Ø 1/1.2	■	■		350 A, 4 m 040946
2	076310		■	5 m, air, Ø 70 mm² 047587		TYPE F, Ø 1/1.2	■	■		
3	076327					TYPE F, Ø 1/1.2	■	■		450 A, 4 m 045392
4	076334					TYPE F, Ø 1/1.2	■	■		

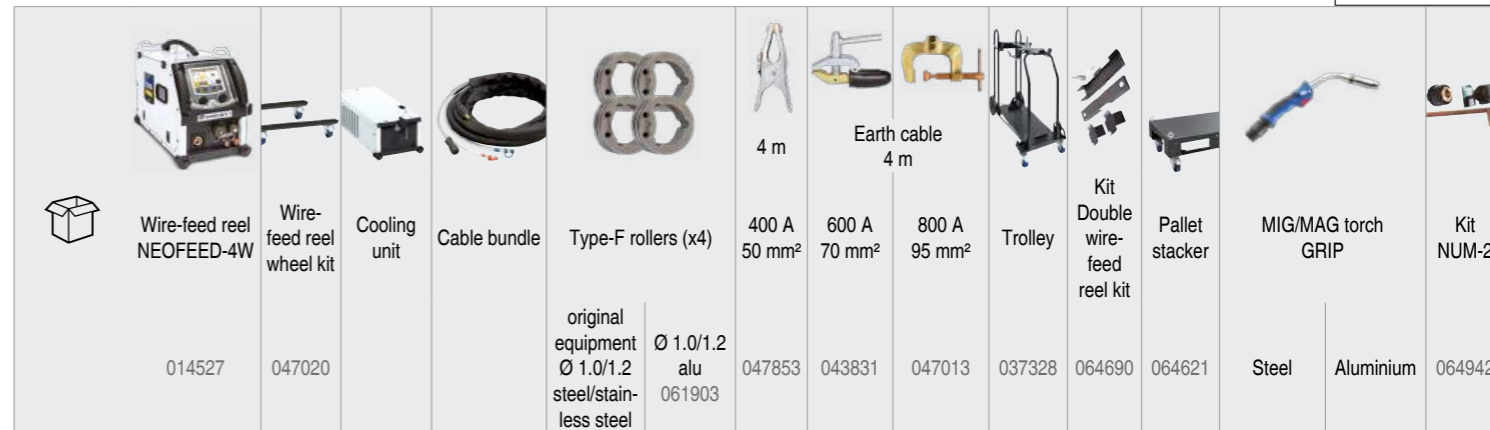


NEOPULSE 220 C XL Packs

1	062825		■						043817 400 A - 35 mm²	040922 250 A - 4 m
2	062832		■						043817 400 A - 35 mm²	040724 250 A - 3 m

NEOPULSE 320 C Packs

1	062849								036994 600 A - 70 mm²	040946 350 A - 4 m
2	062856								036994 600 A - 70 mm²	040731 350 A - 3 m
3	062863	■							036994 600 A - 70 mm²	043275 300 A - 4 m
4	062870	■							036994 600 A - 70 mm²	
5	063402	■							036994 600 A - 70 mm²	040748 300 A - 3 m



Packs NEOPULSE 400 CW

1	071483										500 A - 4 m air 041004
2	071490										500 A, 3 m liquid-cooled 046160

Packs NEOPULSE 400 G

1	062887	■							5 m, air Ø 70 mm² 047587						450 A - 4 m air 045392	
2	072718	■			NEOCOOL 032750				10 m, liquid-cooled Ø 70 mm² 047624							
3	072725	■			NEOCOOL 032750				10 m, liquid-cooled Ø 70 mm² 047624						500 A, 4 m liquid-cooled 041004	
4	062894	■			NEOCOOL 032750				10 m, liquid-cooled Ø 95 mm² 047631						500 A, 4 m liquid-cooled 041004	
5	072732	■			NEOCOOL 032750				10 m, liquid-cooled Ø 70 mm² 047624						500 A, 3 m liquid-cooled 046160	
6	062900	■			NEOCOOL 032750				10 m, liquid-cooled Ø 95 mm² 047631						500 A, 3 m liquid-cooled 046160	
7	066533	■ x2			TWINCOOL 065086				10 m, liquid-cooled Ø 95 mm² 047631 (x2)						500 A, 4 m liquid-cooled 041004	500 A, 3 m liquid-cooled 046160
8	066540	■ x2	■ x2		TWINCOOL 065086				10 m, liquid-cooled Ø 95 mm² 047631 (x2)						500 A, 4 m liquid-cooled 041004	500 A, 3 m liquid-cooled 046160

Packs NEOPULSE 500 G

1	062917	■							10 m, air Ø 95 mm² 047600						450 A - 4 m air 045392	
2	062924	■			NEOCOOL 032750				10 m, liquid-cooled Ø 95 mm² 047631						500 A - 4 m liquid 041004	
3	062931	■			NEOCOOL 032750				10 m, liquid-cooled Ø 95 mm² 047631						500 A - 3 m liquid 046160	
4	066557	■ x2			TWINCOOL 065086				10 m, liquid-cooled Ø 95 mm² 047631 (x2)						500 A - 4 m liquid 041004	500 A - 3 m liquid 046160
5	066564	■ x2	■ x2		TWINCOOL 065086				10 m, liquid-cooled Ø 95 mm² 047631 (x2)						500 A - 4 m liquid 041004	500 A - 3 m liquid 046160





	MIG-MAG welding current (A)	Mains voltage	Wire diameter weldable (mm)				Wire-feed reel		Cooling unit	Coupling	Digital display	IP23	Weight (kg)		
			Steel	Stainless steel	Alu.	Flux-cored wire	CuSi	built in						separate	Ø reel (mm)
MONOGYS 200-4 CS 065949	50 100 150 200 250 300 400 500	230 V	0,6 1,0	0,8 1,0	-	0,8 1,0	1 > 15 m/min	-	-	-	-	60			
MONOGYS 250-4 CS 020368	50 100 150 200 250 300 400 500	240 V	0,8 1,2	1,0 1,2	-	-	1 > 15 m/min	-	-	-	-	75			
MONOGYS 320-4 CS 063020	50 100 150 200 250 300 400 500	240 V	0,6 1,0	0,6 1,0	0,9 1,2	-	1 > 20 m/min	-	-	-	-	105			
TRIMIG 200-4S 031425	50 100 150 200 250 300 400 500	400 V	0,6 1,0	0,8 1,0	-	0,8 1,0	1 > 15 m/min	-	-	-	-	63			
TRIMIG 250-4S DV 013803	50 100 150 200 250 300 400 500	400 V 230 V	0,8 1,2	1,0 1,2	-	-	1 > 20 m/min	-	-	-	-	86			
TRIMIG 300-4S 031432	50 100 150 200 250 300 400 500	400 V	0,8 1,2	1,0 1,2	0,9 1,2	-	1 > 20 m/min	-	-	-	-	90			
PROMIG 400-4S 035898	50 100 150 200 250 300 400 500	400 V	0,8 1,2	1,0 1,2	-	-	1 > 20 m/min	-	-	-	-	108			
PROMIG 400-4S DV WS 061675	50 100 150 200 250 300 400 500	400 V 230 V	0,8 1,2	1,0 1,2	0,6 1,0	-	1 > 20 m/min	-	built in	-	-	127			
PROMIG 400-4S DUO 035911	50 100 150 200 250 300 400 500	400 V 230 V	0,8 1,2	1,0 1,2	0,9 1,6	-	1 > 20 m/min	-	-	-	-	109			
PROMIG 400 G.DV 035904	50 100 150 200 250 300 400 500	400 V 230 V	-	-	-	-	-	-	-	-	-	105			
PROMIG 400 G.DV WS 061682	50 100 150 200 250 300 400 500	400 V 230 V	-	-	-	-	-	-	built in	-	-	118			
TF-4RN 061699		-	0,8 1,2	1,0 1,2	0,9 1,6	-	1 > 20 m/min	200	air-cooled	-	-	18			
TF-4W 061705		-	0,8 1,2	1,0 1,2	0,9 1,6	-	1 > 20 m/min	300	liquid-cooled	-	-	18			
MAGYS 400-4 032170	50 100 150 200 250 300 400 500	400 V	0,6 1,2	1,0 1,2	-	-	1 > 24 m/min	200 300	-	-	-	130			
MAGYS 400 GR 032187	50 100 150 200 250 300 400 500	400 V	-	-	-	-	-	-	-	-	-	130			
MAGYS 500 GR 032194	50 100 150 200 250 300 400 500	400 V	-	-	-	-	-	-	-	-	-	160			
MAGYS 500 WS 032200	50 100 150 200 250 300 400 500	400 V	-	-	-	-	-	-	-	-	-	160			
WS-4R 034723		-	0,6 1,6	1,0 1,6	0,9 2,4	-	1 > 24 m/min	200 300	air-cooled	-	-	17			
WS-4L 033573		-	0,6 1,6	1,0 1,6	0,9 2,4	-	1 > 24 m/min	300	liquid-cooled	-	-	17			
WS5-4L 032835		-	0,6 1,2	1,0 1,2	0,9 1,2	-	1 > 20 m/min	200	air / liquid-cooled	-	-	15			

| Duty cycle at 60% (40°C)

	MIG-MAG welding current (A)	Mains voltage	Wire diameter weldable (mm)				Wire-feed reel		Cooling unit	Coupling	IP23	Weight (kg)		
			Steel	Stain-less steel	Alu.	Flux-cored wire	CuSi	built in					separate	Ø reel (mm)
MULTIPEARL 210-2 065093	50 100 150 200 250 300 400 500	230 V 110 V	-	-	-	-	-	100 200	-	-	-	16		
MULTIPEARL 210-4 XL 065109	50 100 150 200 250 300 400 500	230 V 110 V	0,6 1,0	0,8 1,0	0,8 1,0	0,9 1,2	1 > 15 m/min	200 300	-	-	-	20		
MULTIPEARL 211-4 065116	50 100 150 200 250 300 400 500	230 V 110 V	-	-	-	-	-	200 300	-	-	-	27		
MULTIWELD 160M 013612	50 100 150 200 250 300 400 500	230 V	0,6 0,8	0,8	0,8 1,0	0,9	3 > 10 m/min	200 300	-	-	-	34		
MULTIWELD 200M-C 066588	50 100 150 200 250 300 400 500	230 V	0,6 1,0	0,8 1,0	0,8 1,0	0,9	2 > 13 m/min	200 300	-	-	-	26		
MULTIWELD 200M 066595	50 100 150 200 250 300 400 500	230 V	-	-	-	-	2 > 13 m/min	200 300	-	-	-	34		
MULTIWELD FV 220M-C 065499	50 100 150 200 250 300 400 500	230 V 110 V	0,6 1,0	0,8 1,0	0,8 1,0	0,9 1,2	2 > 15 m/min (230 V)	200 300	-	-	-	24		
MULTIWELD FV 220M 065482	50 100 150 200 250 300 400 500	230 V	-	-	-	-	2 > 15 m/min	200 300	-	-	-	32		
MULTIWELD 250T-C 014572	50 100 150 200 250 300 400 500	400 V	0,6 1,2	0,8 1,2	0,8 1,0	0,9 1,2	2 > 15 m/min	200 300	-	-	-	32		
MULTIWELD 250T 031678	50 100 150 200 250 300 400 500	400 V	-	-	-	-	2 > 15 m/min	200 300	-	-	-	40		
MULTIWELD 320T-C 036037	50 100 150 200 250 300 400 500	400 V	0,6 1,2	0,6 1,0	0,8 1,0	0,9 1,2	3 > 18 m/min	200 300	-	-	-	38		
MULTIWELD 320T 062467	50 100 150 200 250 300 400 500	400 V	-	-	-	-	3 > 18 m/min	200 300	-	-	-	44		
EXAGON 400 CC/CV 010925	50 100 150 200 250 300 400 500	400 V	-	-	-	-	-	-	optional extra	-	-	32		
EXAFEEED4L 032408		-	0,6 1,6	1,0 1,6	0,9 2,4	-	1 > 22 m/min	200 300	air / liquid-cooled	-	-	19		
NOMADFEED 425-4 CC/CV 036291		-	0,6 1,6	1,0 1,6	0,9 2,4	-	1 > 24 m/min	200 300	air-cooled	-	-	15		
NEOPULSE 220 C XL 061842	50 100 150 200 250 300 400 500	230 V	0,6 1,0	0,8 1,2	0,9 1,2	0,8 1,0	0,5 > 20 m/min	200 300	-	-	-	30		
NEOPULSE 320 C 062474	50 100 150 200 250 300 400 500	400 V	0,6 1,2	0,8 1,2	0,8 1,2	0,9 1,6	1 > 22 m/min	200 300	1+1 option	optional extra	-	36		
NEOPULSE 400 CW 062061	50 100 150 200 250 300 400 500	400 V	0,6 1,6	0,8 1,6	0,9 2,4	0,8 1,6	1 > 22 m/min	200 300	1+1 option	built in	-	78		
NEOPULSE 400 G 014497	50 100 150 200 250 300 400 500	400 V	-	-	-	-	-	200 300	1+1 option	optional extra	-	28.5		
NEOPULSE 500 G 014503	50 100 150 200 250 300 400 500	400 V	-	-	-	-	-	200 300	1+1 option	optional extra	-	29		
NEOFEEED 4W 014527		-	0,6 1,6	0,8 1,6	0,9 2,4	0,8 1,6	1 > 22 m/min	200 300	air / liquid-cooled	-	-	19		



# P L A S M A



EASYCUT  
p.86



CUTTER CT  
p.90



NEOCUT  
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Brochure  
Plasma Cutter



## EASYCUT K25 & K35F

Built-in air compressor



With a cutting capacity of up to 15 mm, the EASYCUT K25 and K35F are manual plasma-cutting machines featuring an in-built compressor. With no need for an external air compressor, they are the ideal tool for any worksite job.

- The internal compressor eliminates the need for an external air compressor and filter
- Its arc-induced, non-contact ignition avoids electro-magnetic disturbances
- Equipped with a 4 m, quick disconnect torch complete with trigger safety device
- Enhanced protection for operating power units as well as enhanced protection against permanent overvoltage (up to 400 V)
- Thanks to PFC (Power Factor Correction) technology, the EASYCUT K35F can operate using very long power cables (over 100 m)



MADE IN FRANCE



Two-year warranty



Product sheet

### Specifications

	K25	K35F
<b>Power Supply</b>	230 V 1 ph, 50/60 Hz	
<b>Fuse</b>	16 A	
<b>Current range</b>	10-25 A	10-35 A
<b>Duty Cycle</b> (40°C ambient temperature)	at 60% 15 A / 86 V	26 A / 90.4 V
	at 100% -	20 A / 88 V
<b>Compressor (noise level)</b>	60 -70 db	
<b>Protection rating</b>	IP 21S	IP 21
<b>Dimensions L x W x H</b>	41 x 20 x 36 cm	28 x 52 x 46 cm
<b>Weight</b>	15 kg	30 kg
<b>Original torch</b>	TPT 25 (4 m)	MT 35K (4 m)

### Performances

	K25	K35F
<b>Recommended cut</b> (clean cut)	Steel 6 mm Stainless Steel / Aluminium 4 mm	10 mm 8 mm
<b>Maximum cut</b> (separation)	Steel 8 mm Stainless Steel / Aluminium 6 mm	15 mm 10 mm

### Ordering information

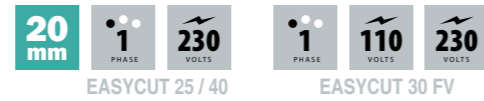
EASYCUT K25 with accessories TOPARC TPT 25 torch (4 m) and earth cable (2 m)	068063
EASYCUT K35F with accessories TOPARC MT 35K torch (4 m) and earth cable (2 m)	031036





# EASYCUT

Ultra compact



MADE IN FRANCE



Two-year warranty



Product sheet

The ultra-compact EASYCUT plasma cutters are ideal for easy cutting of all types of metal up to 20 mm thick. With a power rating of up to 40 A, they excel in precision cutting at low current. Ideal for the workshop, they offer true portability without sacrificing cutting performance.

- Compact and lightweight for excellent portability.
- Intuitive control panel with a single potentiometer to adjust the cutting intensity.
- HF-free arc ignition to avoid electromagnetic interference.
- Manual air pressure adjustment with bar graph on front panel.
- Equipped with a 4 m, disconnectable torch equipped with a safety device on the trigger to prevent accidental or unintentional ignition
- Its single-phase power supply with Flexible Voltage (FV) technology from 85 - 265 V even has built-in PFC technology for better mains operation
- Reinforced protection for operation on plasma cutters and against permanent overvoltage up to 400 V (only for version 30 FV)



## Specifications

	EASYCUT 25	EASYCUT 30 FV		EASYCUT 40
<b>Power Supply</b>	230 V 1 ph, 50/60 Hz	230 V 1 ph, 50/60 Hz	110 V 1 ph, 50/60 Hz	230 V 1 ph, 50/60 Hz
<b>Fuse</b>	16 A	16 A	32 A	16 A
<b>Current range</b>	10-25 A	10-30 A		10-40 A
<b>Duty Cycle</b> (40°C ambient temperature)	at 60%	15 A / 86 V	23 A / 89.2 V	19 A / 87.6 V
	at 100%	10 A / 84 V	20 A / 88 V	15 A / 86 V
<b>Recommended air-flow rate</b>	115 L/min			
<b>Recommended air pressure</b>	2.5 > 6.5 bar	2.5 > 9 bar		2.5 > 6.5 bar
<b>Protection rating</b>	IP 21	IP 21S		IP 21
<b>Dimensions L x W x H</b>	42 x 15 x 30 cm	45 x 28 x 20 cm		42 x 15 x 30 cm
<b>Weight</b>	7.8 kg	11 kg		8 kg
<b>Original torch</b>	TPT 25 (4 m)	TPT 40 (4 m)		TPT 40 (4 m)

## Performances

	25	30 FV	40
<b>Recommended cut</b> (clean cut)	Steel	6 mm	10 mm
	Aluminium / Copper	4 mm	8 mm
	Steel	8 mm	15 mm
<b>Maximum cut</b> (separation)	Stainless Steel / Aluminium	6 mm	10 mm
		10 mm	15 mm

## Ordering information

EASYCUT 25 with accessories TOPARC TPT 25 torch, (4 m) and earth cable (2 m)	065543
EASYCUT 30 FV with accessories TOPARC TPT 40 torch, (4 m) and earth cable (2 m)	013858
EASYCUT 40 with accessories TOPARC TPT 40 torch, (4 m) and earth cable (2 m)	029743



# CUTTER 45 & 70 CT

Portable for industry



The professional quality CUTTER 45 CT (single phase) and 70 CT (three phase) plasma cutters are characterized by a metal cutting capacity of up to 35 mm thickness. The CNC interface and the automatic industrial torch AT-70 allow a mechanized operation.

- Its intuitive control panel has a single potentiometer to regulate the cutting voltage
- Three operating modes: cutting, trigger-locked cutting and perforated-sheet cutting
- Gouging with maximum shrinkage (Specific skid and nozzle in option)
- Pre-wired to be used on an automatic cutting table (optional CNC-1 analogue kit)
- Its arc-induced, non-contact ignition avoids electro-magnetic disturbances
- Manually adjust the air pressure (4.1 - 6.5 bar) and check the level on the bar graph display
- Its premium MT-70 torch is designed to withstand both shocks and heat (optional extra) Conception à refroidissement qui isole l'électronique
- IP23 classification for wet environments



MADE IN FRANCE



Two-year warranty



Product sheet



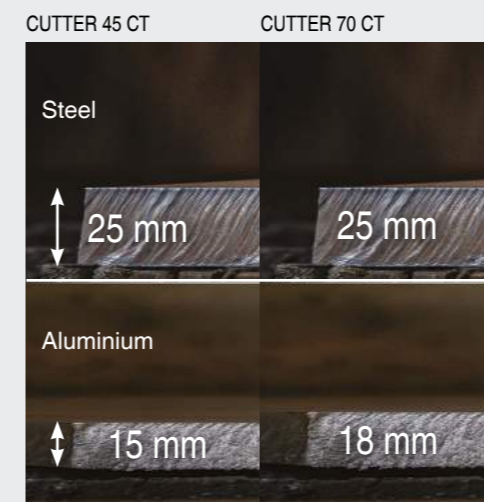
## Performances

	45 CT*		70 CT
	230V	110V	400V
Recommended cut (clean cut)	Steel	25 mm	10 mm
	Stainless Steel / Aluminium	15 mm	8 mm
Maximum cut (separation)	Steel	30 mm	15 mm
	Stainless Steel / Aluminium	20 mm	10 mm
Drilling	Steel	12 mm	5 mm
	Stainless Steel / Aluminium	6 mm	3 mm
Gouging	Withdrawal rate	-	4.8 kg/h

\* with torch MT-70

## Specifications

	CUTTER 45 CT		CUTTER 70 CT	
	Cutting		Cutting	Gouging
Power Supply	230 V 1 ph, 50/60 Hz	110 V 1 ph, 50/60 Hz	400 V 3 ph, 50/60 Hz	
Fuse	16 A	32 A	16 A	
Current range	10-45 A	10-30 A	20-70 A	
Duty Cycle (40°C ambient temperature)	at 60%	41 A / 96.4 V	21 A / 88.4 V	70 A / 108 V
	at 100%	32 A / 92.8 V	17 A / 86.8 V	55 A / 102 V
Recommended air-flow rate	115 L/min	185 L/min	270 L/min	
Recommended air pressure	5 > 7 bar			
Protection rating	IP 23			
Dimensions L x W x H	48 x 37 x 23 cm		52 x 40 x 26 cm	
Weight	15 kg		22 kg	
Recommended manual torch	MT-70 (6 m) or TPT 40 (4 m)		MT-70 (6 m)	



## Ordering information

CUTTER 45 CT and earth cable (2 m)	014787
CUTTER 45 CT with accessories TOPARC TPT 40 torch, 4 m + earth cable, 2 m	013629
CUTTER 70 CT and earth cable, 4 m	013636
CUTTER 70 CT with accessories TOPARC MT-70 torch, 6 m + earth cable, 4 m	013841



## NEOCUT 105 & 125



Offering high-capacity manual or mechanised cutting, the NEOCUT range is the ideal solution for industrial environments. Their 100% duty cycle up to 125 A allows them to cut parts up to 57 mm thick. Boasting automatic air-pressure management, they offer an excellent cutting quality over the consumables' entire service life.

- Automatically controls the air pressure and air flow according to the selected current
- Six operating modes: cutting, trigger-locked cutting, gouging, trigger-locked gouging, perforated-sheet cutting and marking
- Its marking mode is ideal for marking out and identifying parts
- Its arc-induced, non-contact ignition avoids electro-magnetic disturbances
- Pre-engineered for use on an automatic cutting table (optional analogue or digital CNC kit)
- The device has a counter that monitors the wear and tear of consumables (nozzle and electrodes)
- Easy, tool-free software updates using a USB cable
- OLED display screen and multilingual interface: easy to use, with all settings accessible from a single button



MADE IN FRANCE



Two-year warranty



Product sheet



### Performances

		105	125
Maximum cut (separation)	Steel	50 mm	57 mm
	Stainless Steel / Aluminium	40 mm	
Cut recommended (clean cut)	Steel	35 mm	40 mm
	Stainless Steel / Aluminium	30 mm	
Drilling	Steel	20 mm	25 mm
	Stainless Steel / Aluminium	18 mm	
Gouging	Withdrawal rate	8 kg/h	12 kg/h

### Additional features

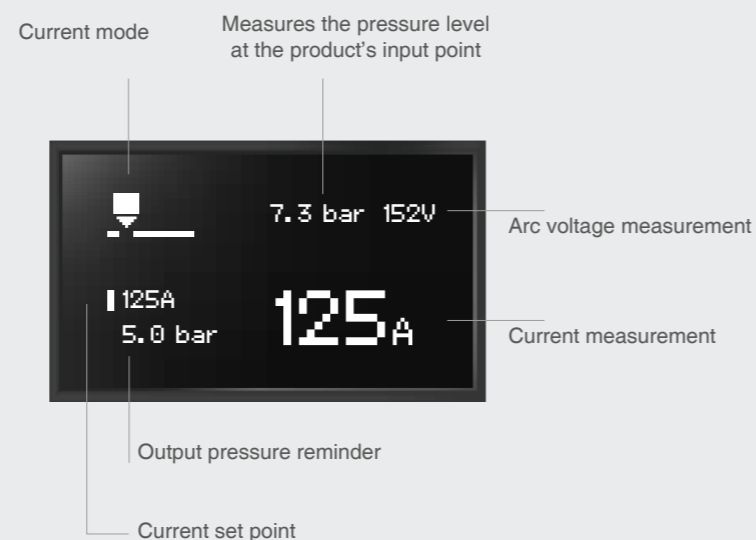
- Multilingual interface (EN, FR, DE, IT, ES, NL and RU)
- Its arc-induced, non-contact ignition avoids electro-magnetic disturbances
- Its MT-125 premium torch is designed to withstand shocks and heat (optional extra)
- Reinforced bodywork
- Two steel handles for easy moving and lifting
- IP23 classification for wet environments
- Hermetically sealed ventilation corridor to isolate electronic components from dust

### Specifications

	NEOCUT 105		NEOCUT 125	
	Cutting	Gouging	Cutting	Gouging
Power Supply	400 V - 3 ph, 50/60 Hz		400 V - 3 ph, 50/60 Hz	
Fuse	32 A		63 A	
Current range	20-105 A		20-125 A	
Duty Cycle (40°C ambient temperature)	at 60%	-	105 A / 142 V	-
	at 100%	105 A / 122 V	90 A / 136 V	125 A / 130 V
No-load voltage	356 V			
Recommended air-flow rate	305 L/min (manual cutting)			
Recommended air pressure	5 > 9 bar			
Protection rating	IP 23			
Recommended power source	> 30 kW			
Dimensions L x W x H	69 x 40 x 61 cm			
Weight	33 kg		36 kg	
Standards	IEC 60974-1/10 A			
Recommended manual torch	MT-125			

### Ordering information

NEOCUT 105 with earth cable (4 m)	063044
NEOCUT 105 with accessories TOPARC MT-125 torch (6 m) and earth cable (4 m)	063112
NEOCUT 105 with earth cable (4 m)	067431
NEOCUT 125 with accessories TOPARC MT-125 torch (6 m) and earth cable (4 m)	067448





### Packs - EASYCUT K35F

	031036	2 m, 10 mm <sup>2</sup>	MT-35K, 4 m	051331	Diffuser x1	Electrode x3	Tips x3	Nozzle x1	Consumables kit 039964
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### Torch - EASYCUT

model	Series	Angle	Duty factor		Length	Consumables	Part Number	Compatibility
			60%	100%				
	TPT 25	75°	25 A (35%)	15 A	4 m	inclus	068087	EASYCUT K25 EASYCUT 25
	TPT 40		40 A	4 m	inclus	060753	EASYCUT 30 FV EASYCUT 40 CUTTER 45 CT	

### Consumables - EASYCUT

Torch model	Diffuser (x2)	Electrode (x10)	Tips (x10)	Nozzle (x4)	Consumables box
MT 25K	x1 040175	x3 040168	040151	040182	MT 25K 039971
TPT 25			040212	040182	TPT 25 070721
MT 35K				040229	MT 35K 039964
TPT 40				040236	TPT 40 039957

### Packs - CUTTER CT / NEOCUT

	062962	2 m, 10 mm <sup>2</sup>	MT-70, 6 m 037502																
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#### CUTTER 45 CT

	1	062962	2 m, 10 mm <sup>2</sup>	MT-70, 6 m 037502						x1	x1	x1	x1	x1		
	Starter kit															
	2	062979		MT-70, 12 m 037519							x1	x3	x3	x1	x1	
Consumables box 061613																
3	062986		AT-70, 12 m 037533	Analog 039988						x1 037557	x5 037564	x5 037571	x1 (Ohmic) 037618	x1 037649		

#### CUTTER 70 CT

	1	013841	4 m, 10 mm <sup>2</sup>	MT-70, 6 m 037502						x1	x1	x1	x1	x1		
	Starter kit															
	2	014589		MT-70, 6 m 037502							x1	x3	x3	x1	x1	
	Consumables box 037540															
3	014596		MT-70, 12 m 037519							x1	x3	x3	x1	x1		
Consumables box 037540																
4	014619		AT-70, 12 m 037533	Analog 039988						x1 037557	x5 037564	x5 037588	x1 (Ohmic) 037618	x1 037649		

#### NEOCUT 105

	1	063112	4 m, 16 mm <sup>2</sup>	MT-125, 6 m 039506						x1	x1	x1	x1	x1		
	Starter kit															
	2	065871		MT-125, 6 m 039506				037717			x2	x3	x6	x3	x3	
	Consumables box 064720															
	3	065888			MT-125, 12 m 039513				037717		x2	x3	x6	x3	x3	
Consumables box 064720																
4	065995		AT-125, 12 m 039520	125A 60%	Analog 039988					x1 039148	x5 039155	x5 039193	x1 (Ohmic) 039445	x1 039308		
5	068186		AT-125, 12 m 039520	125A 60%	Digital 064737					x1 039148	x5 039155	x5 039193	x1 (Ohmic) 039445	x1 039308		

#### NEOCUT 125

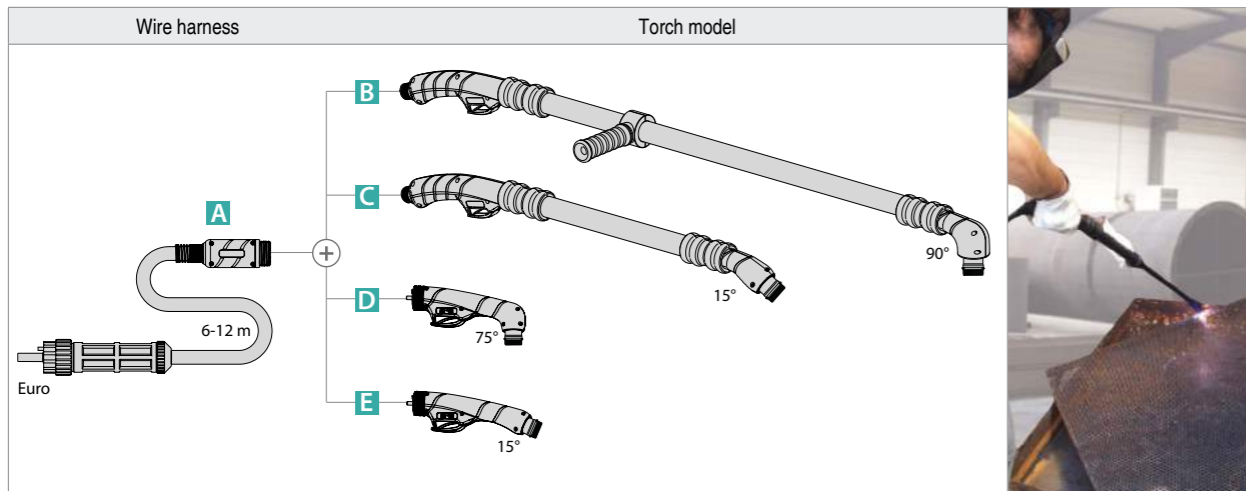
	1	067448	4 m, 25 mm <sup>2</sup>	MT-125, 6 m 039506						x1	x1	x1	x1	x1		
	Starter kit															
	2	068193		MT-125, 6 m 039506				037717			x1	x3	x6	x1	x1	
	Consumables box 039544															
	3	068209			MT-125, 12 m 039513				037717		x1	x3	x6	x1	x1	
	Consumables box 039544															
	4	068216			AT-125, 12 m 039520	125A 60%	Analog 039988					x1 039148	x5 039155	x5 039209	x1 (Ohmic) 039445	x1 039308
5	068223		AT-125, 12 m 039520	125A 60%	Digital 064737					x1 039148	x5 039155	x5 039209	x1 (Ohmic) 039445	x1 039308		
6	073463		AT-160, 12 m 067486	125A 100%	Analog 039988					x1 067509	x5 067493	x5 067554	x1 (Ohmic) 067585	x1 067608		
7	073470		AT-160, 12 m 067486	125A 100%	Digital 064737					x1 067509	x5 067493	x5 067554	x1 (Ohmic) 067585	x1 067608		



### Torch - CUTTER CT / NEOCUT

Model	Series	Angle	Duty factor		Length	Consumables	Part Number	Compatibility
			60%	100%				
	TPT 40	75°	40 A		4 m	including	060753	CUTTER 45 CT
	MT-70	75°	70 A (50%)	50 A	6 m	not including	037502	CUTTER 45 CT
					12 m		037519	CUTTER 70 CT
	MT-125		6 m	039506	NEOCUT 105			
			12 m	039513	NEOCUT 125			

### Torch «EASYFIT»



Series	Model	Angle	Duty factor		Length		Consumables	Part Number	Compatibility
			60%	100%					
A	MT-70	-	-	-	6 m	-	not including	074668	CUTTER 45 CT CUTTER 70 CT
	MT-125				12 m	-		074675	NEOCUT 105 NEOCUT 125
B	MT-125	90°	125 A	105A	-	130 cm		074644	NEOCUT 105 NEOCUT 125
		15°						074651	
C	MT-125	90°	125 A	105A	-	80 cm	074620		
		15°					074637		
D	MT-70	75°	70 A (50%)	50 A	-	-	074583	CUTTER 45 CT CUTTER 70 CT	
	MT-125		125 A	105 A			074606	NEOCUT 105 NEOCUT 125	
E	MT-70	15°	70 A (50%)	50 A	-	-	074590	CUTTER 45 CT CUTTER 70 CT	
	MT-125		125 A	105 A			074613	NEOCUT 105 NEOCUT 125	

### Consumables - CUTTER CT / NEOCUT

Torch model	Caliber	Diffuser (x1)	Electrode (x5)	Tips (x5)	Nozzle (x1)	Cutting shield (x1)	Consumables box
MT-70	20-50 A	x1 037557	x3 037564 short	x3 x3 037571 short	x1 037601	x1 037625 short	20-50 A
			067189 long*	067196 long*		x1 067219 long*	061613
	70 A	x1	x3 037564 short	x3 037588 short	x1	x1 037625 short	20-70 A
			067189 long*	067202 long*		x1 067219 long*	037540
MT-125	Precision cut 45 A	039131	039155	039315	039216	039322	
	45 A	x1 039131	x3	x3 039162	x1 039216	x1 039230	45/65/85 A 039537
	65 A			x3 039179			
	85 A	x1	x3 039155	x3 039186	x1	x1	85/105 A 064720
	105 A	x1		x3 039193	x1 039223	x1 039247	105/125 A 039544
	125 A	x1	x3	x3 039209	x1	x1	
MT-70	Caliber	Diffuser (x1)	Electrode (x5)	Tips(x5)	Nozzle (x1)	Gouging shield (x1)	
MT-125	70 A	037557	037564	037595	037601	037632	
	65-85 A	039131		039261	039216		
	105 A	039148	039155	039278	039223	039254	
	125 A			039285			

\* better accessibility

### Consumables «Difficult-access»

Torch model	Caliber	Diffuser (x1)	Electrode (x3)	Nozzle (x1)	Ring (x3)	Tips (x5)	Cutting shield (x1)	a	b
MT-70	20-45 A	037557	074682	074859	074897	074767	074910	76 mm	122 mm
						074774			
MT-125	20-45 A	039131	074699	074866	074897	074767	074910	82 mm	131 mm
						074774			
						074781			
MT-70	70 A	037557	074682	074859	074897	074798	074927	76 mm	122 mm
						074798			
						074804			

### Consumables «Flat cutting»

Torch model	Caliber	Diffuser (x1)	Electrode (x5)	Nozzle (x1)	Tips (x5)	Retaining ring (x2)
MT-70	40-70 A	074736	074705	074873	074811	074903
MT-125	40-70 A	074743	074712	074880	074828	
	80-125 A	074750	039155		074835	



### Automatic torch for CUTTER CT / NEOCUT

Model	Series	Duty factor		Length		Ø	Consumables	Part Number	Compatibility
		60%	100%						
	AT-70	70 A (50%)	50 A	6 m	127 mm	Ø 35 mm	not including	071865	CUTTER 45 CT CUTTER 70 CT
				6 m	240 mm			037526	
				12 m				037533	
				6 m				038479	
				12 m				039520	
				15 m				069787	
	20 m	069794							
	AT-125	125 A	105 A	6 m	Ø 35 mm	067479		NEOCUT 105 NEOCUT 125	
				12 m		039520			
				15 m		069787			
				20 m		069794			
				6 m		067479			NEOCUT 125
12 m				067486					
15 m	069800								
20 m	069817								

### Consumables for automatic torch

Torch model	Caliber	Diffuser (x1)	Electrode (x5)	Tips (x5)	Nozzle tip (x1)	Ohmic nozzle tip (x1)	Shield cap (x1)	
AT-70	20-50 A	037557	037564	037571	037601	or	037618	037649
	70 A			037588				
AT-125	Precision cut 45 A	039131	039155	039315	039216	or	039339	037496
	45 A			039162				
	65 A			039179				
	85 A			039186				
	105 A			039193				
125 A	039209	039223	or	039445	039308			
AT-160	Precision cut 45 A	067509	037493	037516	-		067578	076945
	45 A			067523				
	65 A			067530				
	85 A			067547				
	105-125 A			067554				067585

### Accessories

	<b>Dehumidifier filter</b> 039728 Filter + cartridge 039735 Cartridge only
	<b>Dust filter</b> 046580 CUTTER 70 CT - NEOCUT 105/125
	<b>RC-PLASMA</b> Remote control ON/OFF switch for mechanised plasma torch 069596 CUTTER 45/70 CT - NEOCUT 105/125

### Cutting guides

	<b>Kit compas #1</b> 040205 Torch compatible TPT 25 / TPT 40 / MT 25K / MT 35K / MT 45 040199 Guide carriage only
	<b>Kit compas #2</b> 037984 compatible with MT-70 / MT-125 torches 037977 Guide carriage
	<b>Cutting / chamfering / guiding kit</b> 038653 Torch compatible MT-70 / MT-125

### Trolley

040977 EASYCUT K35F	073593 NEOCUT 105/125	037717 NEOCUT 105/125	040298 EASYCUT K25/K35F EASYCUT 30FV - 25/40 CUTTER 45 CT	051331 EASYCUT K25/K35F EASYCUT 30FV - 25/40 CUTTER 45 CT	039568 EASYCUT K25/K35F CUTTER 45 CT NEOCUT 105/125

### Kits CNC for CUTTER CT / NEOCUT

<b>Analogue CNC-1</b> 039988 CUTTER 45/70 CT NEOCUT 105/125	<b>Digital CNC-2</b> 064737 NEOCUT 105/125	<b>Retrofitted digital CNC-3</b> 068957 NEOCUT 105/125





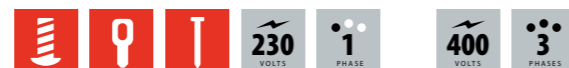
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ARCPULL  
p.102



# GYSPOT ARCPULL



The new GYSPOT ARCPULL arc-welding units weld all types of studs and concrete anchors up to  $\varnothing$  13 mm (welding with ceramic protection either with or without gas shielding). Their secondary current regulation is particularly suitable for the industrial sector as it maintains perfect arc stability.

- Ideal for welding a variety of attachments: Steel or aluminium pulling rings, rivet-extraction rods, studs, studs with threaded inserts, steel or aluminium insulating pins
- Welding gun equipped with a unique, linear motor for unparalleled arc-height accuracy
- From 'synergy' welding mode (pre-set welding settings for quick and easy use) to expert welding mode (for full control of the welding cycle)
- Built-in memory (ARCPULL 700) can store up to 99 custom welding programs
- Multilingual interface (EN, FR, DE, IT, ES, NL and RU)
- Ideal for use with extension cables
- IP33 rating for wet and dusty environments (350 model)



MADE IN FRANCE



Two-year warranty



Product sheet

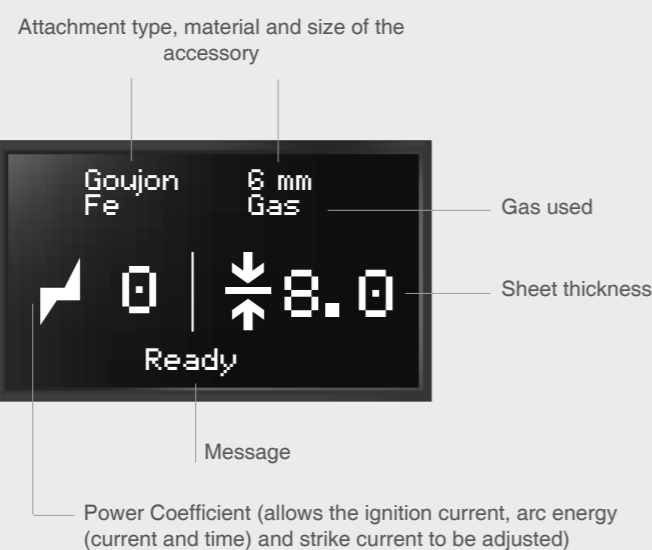


Performance (max.)	350	700
Stud diameter ( $\varnothing$ )	Steel	13 mm
	Aluminium	8 mm
Speed (max.) (studs / minute)	13	30

Specifications	ARCPULL 350	ARCPULL 700
Power Supply	230 V - 1 ph, 50/60 Hz	400 V - 3 ph, 50/60 Hz
Fuse	16 A	20 A
Current range	10-350 A	50-680 A
Duty Cycle (40°C ambient temperature)	at 60% -	at 100% -
No-load voltage	100 V	80-95 v
Protection rating	IP 33	IP 23
Recommended power source	> 15 kW	> 30 kW
Dimensions L x W x H	23 x 31 x 28 cm	32 x 32 x 41 cm
Weight	11 kg	17.4 kg
Standards	IEC 60974-1/10 A	
Mains cable length	6 m	5 m
Wire bundle length (welding gun)	3 m	3 m
Weight (welding gun)	3 kg	3 kg

## Ordering information

GYSPOT ARCPULL 350 Welding gun (3 m)	062191
GYSPOT ARCPULL 350 pack with accessories Welding gun (3 m) with stud chuck accessory box	064638
GYSPOT ARCPULL 350 pack with accessories Welding gun (3 m), stud chuck accessory box, double-clamp earth cable (3 m)	071438
GYSPOT ARCPULL 700 with accessories Welding gun (3 m), STANDARD 700 ceramic-fork consumables box and double-clamp earth cable (3 m)	062207







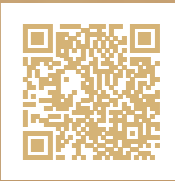
# INDUCTION



POWERDUCTION  
p.106



POWERDUCTION  
p.108

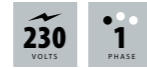


Brochure  
Induction





## POWERDUCTION 10R



An induction heater equipped with a spiral inductor, the POWERDUCTION 10R is the ideal tool for unseizing stuck parts. With a power level of 1,200 W, this compact and lightweight (3.5 kg) machine has a strap for carrying it over your shoulder. Characterised by a quick and simple, single-phase start-up procedure, this unit is the ideal on-site solution for all industrial applications.

- Compact and lightweight (3.5 kg)
- Mobile machine, can be carried over your shoulder
- Connect to the mains anywhere using a single-phase socket
- Quick start-up: just plug it in and get to work
- 1,200 W of power
- Comes in a carry case and is supplied with five inductors : 3 spirals, one braided and one flexible wire
- Optional decal-removal inductor (PN. 066601)

MADE IN FRANCE



Two-year warranty



Product sheet

### Specifications

Power Supply	Fuse	Power	Heater frequency	Cooling	Inductor cable
230 V, 1 ph, 50/60 Hz	16 A	1200 W	45-100 kHz	Air-cooled	1 m
Duty cycle (35°C ambient temperature)	Dimensions L x l x h	Weight	Protection rating	Standards	
1200 W = 2 min	23 x 14 x 10 cm	3 kg	IP21	IEC 60335-1	

### Heating capacities (in seconds)

Nut		NC
Sheet thickness		NC
Metal rod: Ø 8 mm		10 s

### Ordering information

POWERDUCTION 10R with accessories Carry case, spiral wire Ø 18 mm, Ø 24 mm, Ø 30 m, flexible braided wire and straight solid wire	062504
--	--------

## POWERDUCTION 37LG



With a weight of 15 kg and a single-phase, 230 V power supply, the POWERDUCTION 37LG offers an excellent combination of power and mobility. With a power level of 3,700 W, it is especially recommended for use in car and cultivator workshops or for maintenance operations

- Compact and portable (15 kg)
- Power: 3,700 W going up in 250 W intervals
- Heats the metal's core to a depth of 6 mm
- Duty cycle at max. power: 7 min
- Different types of optional inductors
- Liquid-cooled machine (1.5 l)

MADE IN FRANCE



Two-year warranty



Product sheet

### Specifications

Power Supply	Fuse	Power	Heater frequency	Cooling	Inductor cable
230 V, 1 ph, 50/60 Hz	16 A	3700 W	15-30 kHz	Liquid (1.5 L)	2 m
Duty cycle (35°C ambient temperature)	Dimensions L x l x h	Weight	Protection rating	Standards	
3700 W = 7 min	45 x 28.5 x 25 cm	15 kg	IP21	IEC 60335-1	

### Heating capacities (in seconds)

Nut : M10		1 s
Sheet thickness : 2 mm		5 s
Metal rod : Ø 10 mm		15 s

### Ordering information

POWERDUCTION 37LG with fixed, 28S adaptor S90 heating inductor x1	056992
--	--------



# POWERDUCTION



Designed and manufactured entirely in France, the mobile POWERDUCTION range includes six products designed to carry out multiple applications. Offering distinct performance and usability levels, these POWERDUCTION machines can easily be used for cars, HGVs, construction work, bodywork, maintenance operations or industrial workshops.

- Very easy to use
- Up to 22,000 W of power
- Available as a single-phase or three-phase model
- Liquid-cooled products (7 L or 30 L)
- Pneumatic control foot pedal (except 39LG model)
- Timing mode: precisely adjust the heating time (1 - 30 seconds)
- Removable handle on some models increases the arm's manoeuvrability and makes it more comfortable to operate
- Different inductor types available to suit all part shapes that need to be heated
- Optimal heating power depending on the inductor used



Six available models



### Heating capacities (in seconds)

	Size (nut)	Sheet thickness		Metal rod:
		2 mm	4 mm	Ø 10 mm
39LG	1 s (M12)	5 s	NC	15 s
50LG	1 s (M14)	3 s	5 s	10 s
COMBI AUTO	1 s (M14)	3 s	5 s	10 s
110LG	1 s (M18)	2 s	4 s	7 s
160LG	1 s (M20)	2 s	4 s	5 s
220LG	1 s (M45)	1 s	3 s	4 s

### Specifications

	39LG	50LG	COMBI	110LG	160LG	220LG
<b>Power Supply</b>	230 V - 1 ph, 50/60 Hz			400 V - 3 ph, 50/60 Hz		
<b>Fuse</b>	16 A	25 A	25 A	16 A	32 A	32 A
<b>Power</b>	3700 W	5200 W	5200 W	11 000 W	16 000 W	22 000 W
<b>Heater frequency</b>	20-60 kHz	20-60 kHz	20-80 kHz	20-60 kHz	20-60 kHz	25-50 kHz
<b>Cooling</b>	Liquid (7 L)			Liquid (7 L)	Liquid (30 L)	
<b>Duty Cycle</b> (40°C ambient temperature)	at 100%	15 min	continuous	continuous	continuous	continuous
<b>Protection rating</b>	IP 21					
<b>Dimensions L x W x H</b>	53 x 70 x 37 cm	59 x 88 x 59 cm		78 x 118 x 58 cm		
<b>Weight</b>	50 kg	70 kg	80 kg	150 kg		
<b>Standards</b>	IEC 60335-1					
<b>Câble inducteur</b>	3 m	3 m	3 m	4 m	6 m	6 m 10 m

### Ordering information

POWERDUCTION 39LG with a complete heating inductor (C20/B1)	058583
POWERDUCTION 50LG with a complete heating inductor (C20/B1)	055599
COMBINATION AUTO 50 LG with a heater inductor (C20/B1), glass inductor and a decal-removal inductor	065901
POWERDUCTION 110LG with an adaptor (32L) and a heating inductor (L90)	058590
POWERDUCTION 160LG with an adaptor (32L) and a heating inductor (L90)	057814
POWERDUCTION 220LG with an adaptor (32L) and a heating inductor (L20/B4)	066861



Two-year warranty



Product sheet



	a	b
Powerduction 37LG	●	●
Powerduction 39LG	●	●
Powerduction 50LG	●	●
Powerduction COMBI	●	●
Powerduction 110LG	●	●
Powerduction 160LG	●	●
Powerduction 220LG	●	●

a Inductors and adapters compatible with the product

b Inductors and adapters supplied as standard

Complete inductors	↓ (mm)	Ferrites + protection
C20/B1 056862	37 x 13 x 250	
C180/B1 056879	37 x 39 x 235	<b>B1</b> 053823 <b>B1</b> 056909
C180/B2 056886	32 x 28 x 260	<b>B2</b> 053458 <b>B2</b> 056916

Adaptaters	Inductors	↓ (mm)	Ferrites + protection
 28S 064485 ↓ (mm) Ø 18 x 155 ● fixed output on 37LG	S90 058927	38 x 20 x 35	
	S70 061569	38 x 20 x 40	
	S180 059269	38 x 20 x 44	
	S20/B1 064874	37 x 20 x 90	<b>B1</b> 053823 <b>B1</b> 056909
	S180/B1 064881	37 x 44 x 65	<b>B1</b> 053823 <b>B1</b> 056909
 32S 064508 ↓ (mm) Ø 18 x 155	S180/B2 064928	33 x 29 x 90	<b>B2</b> 053458 <b>B2</b> 056916
	S180/B3W 067899	33 x 29 x 90	<b>B3</b> 067875 <b>B3</b> 072527
	S180 / D... D20 069985 D25 069992 D30 070592 D35 070608 D40 070615 D45 070622 D50 070639 D55 070646		

Adaptaters	Inductors	↓ (mm)	Ferrites + protection
 28L 064492 ↓ (mm) Ø 24 x 180	L90 059788	81 x 31 x 46	
	L70 059771	81 x 31 x 55	
	L180 059795	81 x 31 x 66	
	L180 SPIRAL 065000	Ø 80 x 102	Docking bell 069701
 32L 064515 ↓ (mm) Ø 24 x 180	L20/B4 067882	120 x 57 x 26	<b>B4</b> 053755 <b>B4</b> 054844
	L20 ALU GLOVE 069114	127 x 60 x 25	
	L180 / D... D60 069923 D70 069930 D80 069121 D90 069947 D100 069954 D110 069961 D120 069978	160 x 80 x 25 165 x 90 x 25 170 x 100 x 25 175 x 110 x 25 180 x 120 x 25 185 x 130 x 25 190 x 140 x 25	

Inductor box	
28S/B type W 072497	S20/B1 (x1) 059788 S180/B1 (x1) 064881 S180/B3W (x1) 067899 28S (x1) 064485 B1 (x1) 053823 B3 (x1) 072527
32S/B type W 072503	S20/B1 (x1) 059788 S180/B1 (x1) 064881 S180/B3W (x1) 067899 32S (x1) 064508 B1 (x1) 053823 B3 (x1) 072527
L 065796	L70 (x1) 059771 L180 (x1) 059795

Glue kit for inductor  
075948

Gun

Glue  
bi-component  
Epoxy  
2 x 15 g  
054851



# CALIWIWELD



Suitcase  
CALIWELD  
p.114



# CALIWELD

EN 1090

EN 50 504

EN 60974-14

CALIWELD is the fast and efficient solution to comply with the normative framework of welding operations. With CALIWELD, simply connect the test case and a resistive load to your welding equipment to start the validation procedure. Only one technician is needed for this test, all test scenarios are automatically performed by the software; the guarantee of reliable and accurate results.



- 3 operating modes:
- Multimeter:** possibility to make QMOS/DMOS, to record the parameters of the welding leads and to visualize the measurement

**Oscilloscope:** allows to select 2 measurement channels, to visualize them and to record them on graph

**Validation:** allows to check and validate the product performances to meet the standard EN 50504 and EN 60974-14.

- Measures all welding related data (MMA, TIG and MIG/MAG):
  - Calculation of welding energy (kj/mm)
  - Voltage (V)
  - Current (A)
  - Gas flow (l/min)
  - Wire speed (m/min)
  - Gas flow (l/min)

MADE IN FRANCE



Two-year warranty



Product sheet



## User-friendly interface

- Automatic and free updates via internet (new products, scenarios, etc.)
- Optional 550 A resistive load
- Very easy to use and requires only one qualified person
- More than 100 test scenarios created for GYS brand welding machines
- Intuitive software developed by GYS engineers
- Possibility to create your own scenarios for competing machines
- Delivers a validation certificate that is essential to attest the performance in correlation with the welding machine settings

## Specifications

<b>Power Supply</b>		110/230 V 1 ph, 50/60 Hz
<b>Measurement characteristics</b>	Voltage	120 V AC/DC ± 0,5 %
	Current	500 A ± 0,5 %
	Wire speed	1 to 30 m/min ± 1 %
	Gas	1 to 30 l/min ± 5 %
<b>Protection rating</b>		IP 67
<b>Dimensions L x W x H</b>		21 x 43 x 57 cm
<b>Weight</b>		12 kg
<b>Standards</b>		IEC 61010

## Ordering information

CALIWELD CGU 1.0 case + accessories  
 Gas measuring hose (2 m) + USB 2.0 cable (1.5 m) + Remote control (2 m) + Power cable (2 m) + Voltage measuring cable (2 m) + Control cable (2 m) 060456



High accuracy thanks to the GYS multilingual software which limits human errors



# P P E



PPE  
p.118



Helmets  
p.120





Reference	045101	045873	064164	045194	045323
Description	Welding gloves multi-purpose	Welding gloves reinforced	Welding gloves reinforced PRO	Soft welding gloves	Welding gloves PRO TIG
Size	10	10	9.5	10	10
Material	Bovine leather crust	Bovine leather crust	Bovine leather crust	Lamb grain leather	Cowhide leather Croute leather (cuff)



Reference	045224	037687
Description	Adjustable fire hood with Velcro®	Fireproof hood covering the shoulders
Size	Single	Single
Material	Flame retardant cotton	Flame retardant fabric: 60% modacrylic, 38% cotton, 2% antistatic fiber



Reference	064188	045910 (T9) 045927 (T10)	045903 (T9) 045934 (T10)
Description	Handling gloves	Handling gloves high resistance	Handling gloves high dexterity
Size	10	9 & 10	9 & 10
Material	Goat leather	Nylon knitted fabric	Nylon knitted fabric



Reference	037670	045231
Description	Adjustable with elastics	Adjustable with a Velcro strap
Size	Single (40 cm)	Single (45 cm)
Matter	Crusted leather	Crusted leather

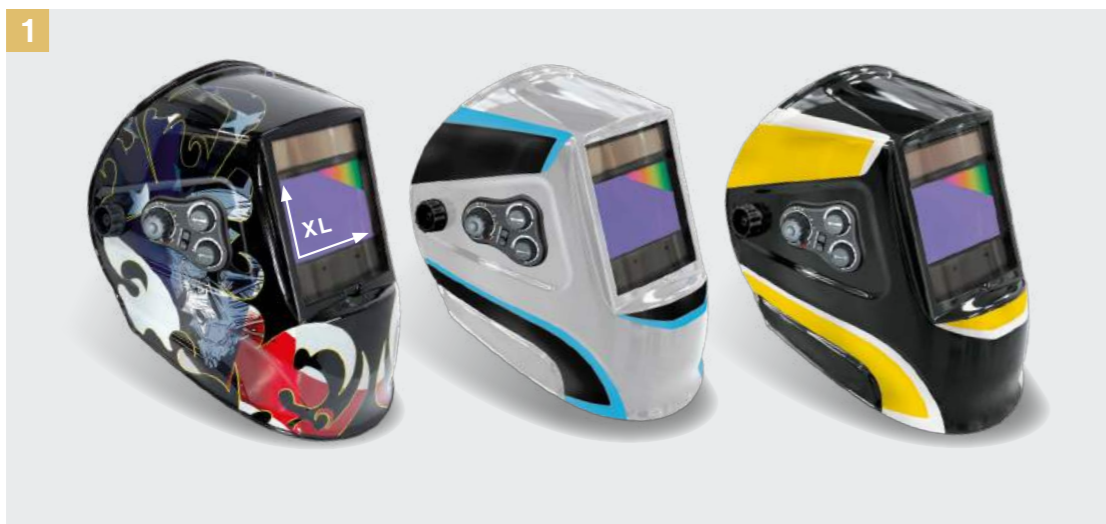


Reference	073760 (S) 073777 (M) 073784 (L) 073791 (XL) 073807 (XXL)	046368 (S - 40/42) 046375 (M - 44/46) 046382 (L - 48/50) 076399 (XL - 52/54) 046412 (XXL - 56/58)
Description	Welder's jacket PRO with GYS logo	Welder's pants without GYS logo
Size	S - M - L - XL - XXL	S - M - L - XL - XXL
Material	74% coton, 25% polyester	98% coton, 2% antistatic fibres



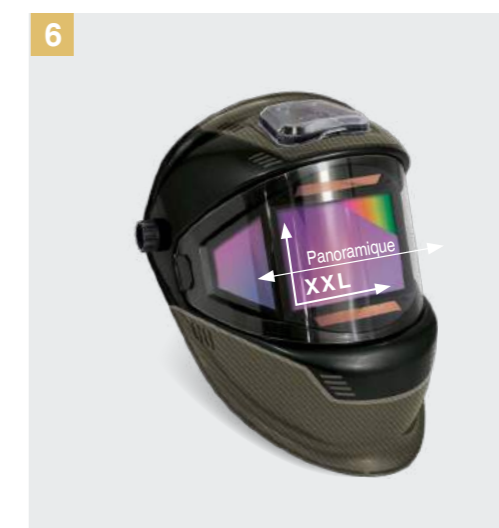
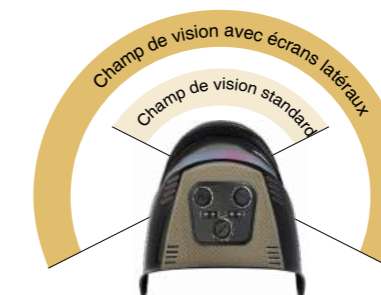
Reference	045200	045217
Description	Adjustable leather welding apron	Adjustable leather welding apron PRO
Size	Single	Single
Material	Crusted leather	Crusted leather. Harness assembly with straps. Kevlar® fiber stitching + chest pocket





### Panoramic vision

Adopted by professional welders, side-shielded masks offer an extra-wide field of vision, up to 2 times larger than a standard hood. Peripheral hazards such as beams, obstacles and other workers are now easier to see through the 2 side windows.



	1 ERGOTECH +			2 ALIEN + XXL	3 GYSMATIC XL	4 GYSMATIC XXL	5 APOLLO +	6 PANORAMIC 3XL
Product reference	068674 (Black/Red)	068650 (Grey/Blue)	068667 (Black/Yellow)	068698	037908	037236	068681	037281
Field of view	100 x 67 mm			100 x 90 mm	100 x 60 mm	100 x 83 mm	100 x 67 mm 104 x 70 mm (lateral)	114 x 85 mm 68 x 80 mm (lateral)
Light sensor	4			4	4	4	4	4
Energy	☼ + 2 ⚡ (CR 2450)			☼ + 2 ⚡ (CR 2032)	☼ + 2 ⚡ (CR 2450)	☼ + 2 ⚡ (CR 2450)	☼ + 2 ⚡ (CR 2450)	☼ + 2 ⚡ (CR 2450)
Optical class	1 / 1 / 1 / 1			1 / 1 / 1 / 1	1 / 1 / 1 / 1	1 / 1 / 1 / 1	1 / 1 / 1 / 1	1 / 1 / 1 / 1
Light shade	3			3	4	4	3	3
Dark shade	5>9   9>13			5>9   9>13	5>9   9>13	5>9   9>13	5>9   9>13 (lateral: 5)	4>8   8>12 (lateral: 3>10)
Switching time light - dark	0,10 ms			0,10 ms	0,08 ms	0,10 ms	0,10 ms	0,15 ms
Time to return to light color (Delay)	0,15 to 0,8 sec.			0,15 to 0,8 sec.	0,1 to 0,9 sec.	0,1 to 0,9 sec.	0,15 to 0,8 sec.	0,15 to 0,8 sec.
Sensitivity and delay settings	potentiometers external			potentiometers interior	digital display	digital display	potentiometers interior	potentiometers external
Headband (comfort)	★★★★			★★★★	★	★★★	★★★★	★★
Weight	580 g			560 g	540 g	680 g	580 g	610 g



## Respiratory protection system

The 2 GYS ventilated helmets are equipped with a ventilated respiratory protection system. 2 in 1, it protects the eyes from IR/UV during welding operations and preserves the operator's airways. A built-in audible and visual alarm indicates if the airflow in the hood is decreasing or if the battery is low. Easy to use and versatile, the filter unit is the key to respiratory protection in environments where dusty.

**Comfort**

- + Very light and compact for perfect ergonomics.
- + Padded belt that holds the motor close to the body..

**Breathing tube**

- + Quick connection and disconnection.
- + Fire retardant cover extends hose life and protects against flying sparks.



Digital display

**Security**

- + High efficiency TH2 filter absorbing hazardous dusts, fumes and mists.
- + Complies with the EN 12941 standard.

**Ease of use**

- + Electronic visual and audible alarm for low battery or abnormally low airflow.
- + Intelligent lithium-ion battery with fast recharge and no memory effect.



# 50x

less exposure to welding fumes

The TH2 certified respirator system has a Nominal Protection Factor of 50, which means that when the respirator is used correctly, the wearer's exposure is reduced to a minimum of 1/50th. (TH3 filter optional, 065734)



## Characteristics of the filter unit

Level of protection	TH2 (TH3 in option)
Type	Filter TH2P R SL
Filter efficiency	99,996 % at 0,3 µm
Débit d'air	Level 1 : 170 l/min Level 2 : 200 l/min Level 3 : 230 l/min
Autonomie	Level 1 : > 8 h Level 2 : > 6 h Level 3 : > 4 h
Noise level	73 dbA max.

Charging time	4 h
Type of battery	Li-ion 11.1 V - 4400 mAh
Hose length	1 m
Belt size	90 > 130 cm
Dimensions	240 x 165 x 70 mm
Weight (filters, belt, battery)	1,7 kg

Product reference	065727	047846
Field of view	100 x 60 mm	100 x 83 mm
Light sensor	4	4
Energy	☀ + 2 🔋 (CR 2450)	☀ + 2 🔋 (CR 2450)
Optical class	1 / 1 / 1 / 2	1 / 1 / 1 / 1
Light shade	4	4
Dark shade	9>13	5>9   9>13
Switching time light - dark	0,08 ms	0,10 ms
Time to return to light color (Delay)	0,1 to 0,9 sec.	0,1 to 0,9 sec.
Sensitivity and delay settings	potentiometers interior	potentiometers interior
Headband (comfort)	★	★
Weight of the mask alone	580 g	680 g

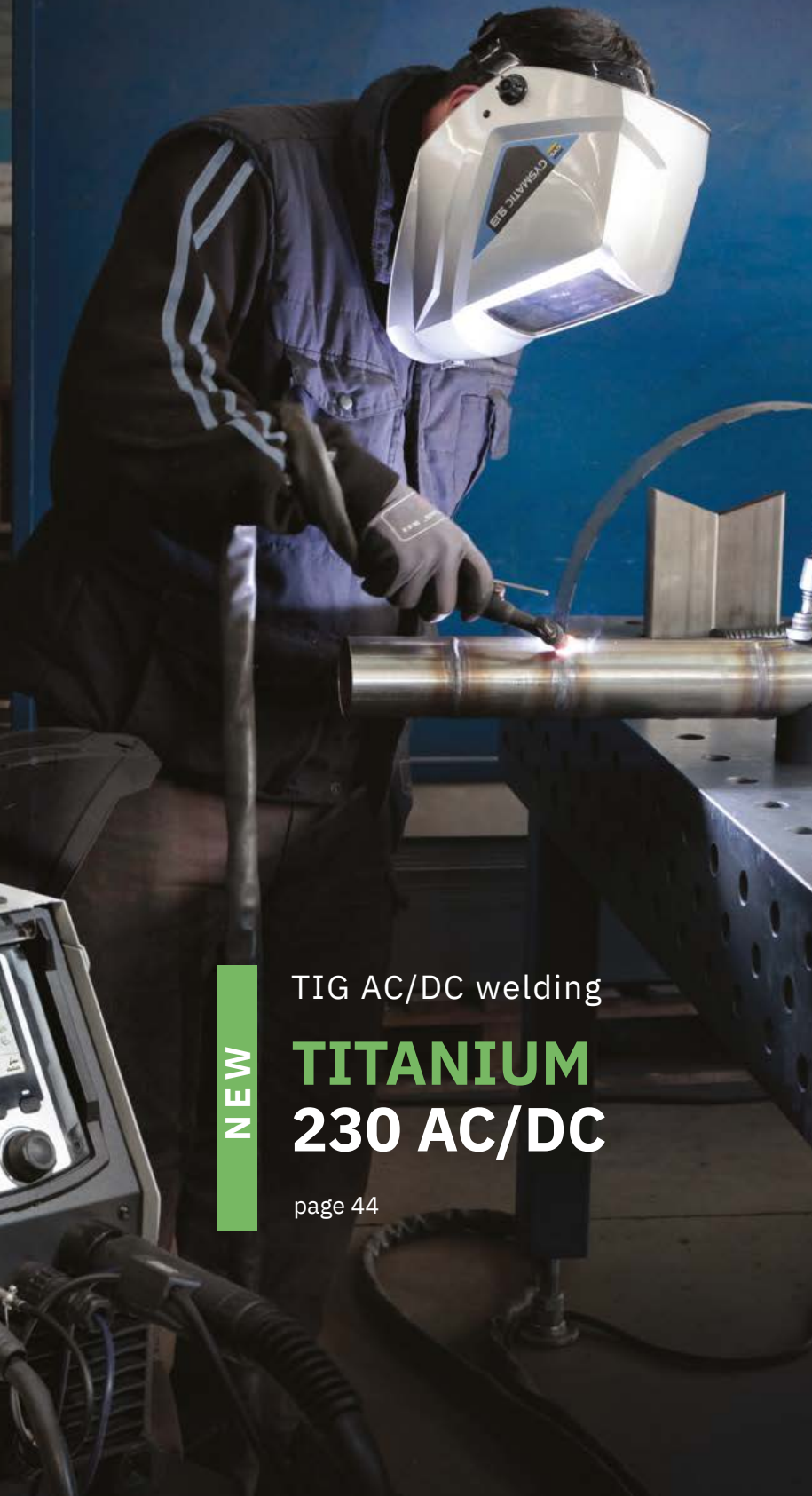




INVEST IN THE FUTURE



French manufacturer  
since 1964



TIG AC/DC welding

NEW

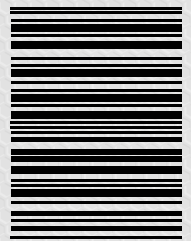
# TITANIUM 230 AC/DC

page 44

## GYS FRANCE

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