



INVEST IN THE FUTURE

AUTOMATION



MIG-MAG/GMAW-FCAW - TIG/GTAW
PLASMA CUTTING - BATTERY SUPPORT UNITS

2026 B

A solid
manufacturing
group

900 people

C1+
Credit Rating
Banque de France

€ 145 000 000

70 000 m²
2 factories



FRENCH MANUFACTURER
SINCE 1964

A family
company



Nicolas & Bruno
Bouygues



Global coverage
125 countries

5 catalogues
3 500+ references



MMA/SMAW
TIG/GTAW
MIG-MAG/
GMAW-FCAW
Plasma cutting
Stud welding
Spot welding
Accessories
Protection
Consumables



Spot welding
Dent pulling
MIG-MAG/
GMAW-FCAW
Plasma cutting
Induction heating
Riveting
Lifting
Bodyshop tools



Chargers
Battery support units
Boosters
Starters
Testers
Portable energy
Jumper cables
EV charging
Accessories



Releasing
Straightening
Shrink-fitting
Bending
Brazing
Quenching
Annealing



MIG-MAG/
GMAW-FCAW
TIG/GTAW
Plasma cutting
Battery support units



GYS FRANCE - HEADQUARTERS
Laval



**GYS LOGISTIC
CENTER**
Laval



GYS GERMANY
Aachen



GYS U.K.
Rugby



GYS CHINA
Shanghai



GYS ITALIA
Venezia



GYS IBERICA
Madrid

Table of contents

WELDING TECHNOLOGIES	4 > 9	PLASMA CUTTING	32 > 37
MIG-MAG/GMAW-FCAW	10 > 21	BATTERY SUPPORT UNITS	38
TIG/GTAW	22 > 31		



WELDING AUTOMATION TECHNOLOGIES

TECHNOLOGIES D'AUTOMATISATION
DE SOUDAGE

GIN®

GYS Internal Network



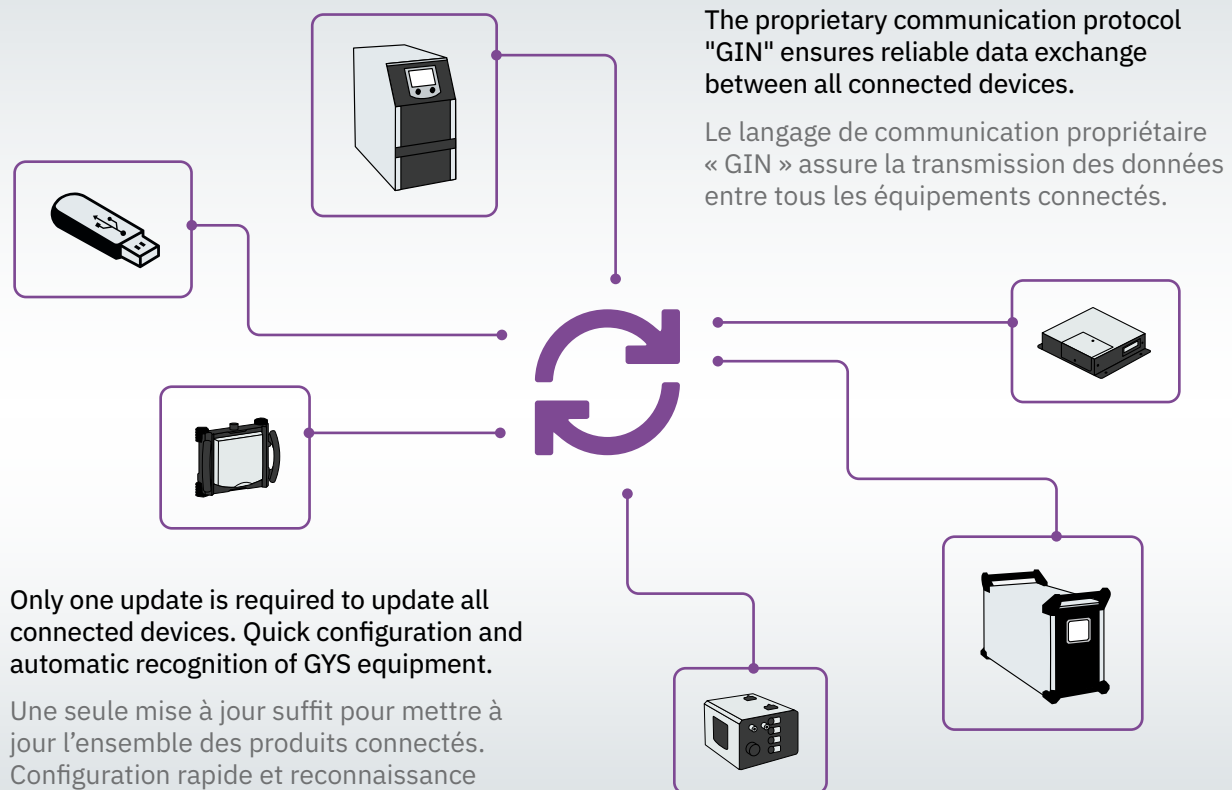
Quick



Automatic



Reliable



The proprietary communication protocol "GIN" ensures reliable data exchange between all connected devices.

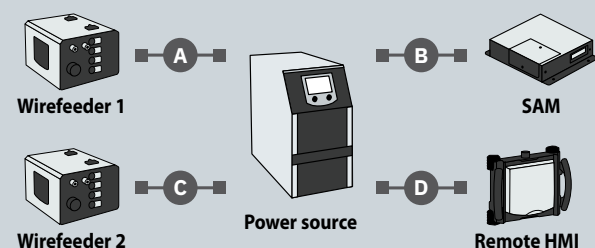
Le langage de communication propriétaire « GIN » assure la transmission des données entre tous les équipements connectés.

Only one update is required to update all connected devices. Quick configuration and automatic recognition of GYS equipment.

Une seule mise à jour suffit pour mettre à jour l'ensemble des produits connectés. Configuration rapide et reconnaissance automatique des équipements GYS.

Cable length - Longueur de câbles

NEOPULSE / KRYPTON / TITANIUM



$$A + C < 40 \text{ m}$$

$$A + B < 40 \text{ m}$$

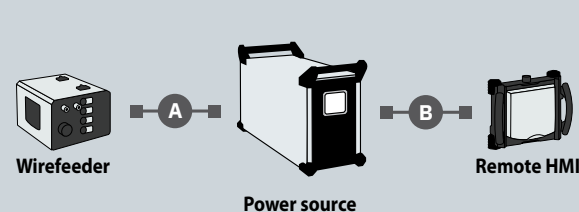
$$D + C < 40 \text{ m}$$

$$D + B < 40 \text{ m}$$

$$B + C < 70 \text{ m}$$

$$D + A < 70 \text{ m}$$

ROBOPULSE



$$A + B < 40 \text{ m}$$

Online configurator

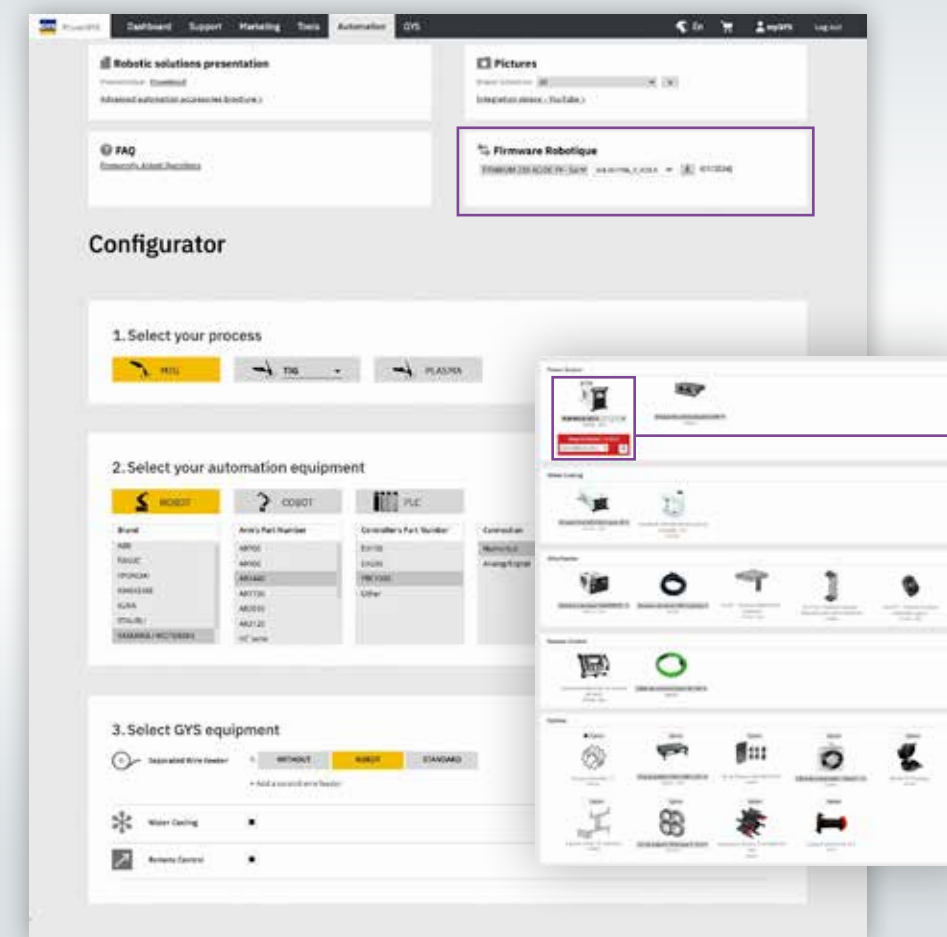
CONFIGURATEUR EN LIGNE



Build your own solution in an operating environment compatible with GYS equipment.
Construisez votre solution dans un environnement d'équipements compatibles GYS.



Power sources, firmware, wire feeders, cooling units, accessories, consumables.
Générateurs, firmwares, dévidoirs, groupes froids, accessoires, consommables.

Automation firmware
Firmware d'automatisation

ROBOPULSE 501 G
087682 (3D)

Required Update (12/2025)

Ind 014503_R_V25.C

Available exclusively on the GYS configurator.

Disponibles uniquement sur le configurateur GYS.

Installation files downloadable in one click

Fichiers d'installation téléchargeables en 1 clic

Configuration

- Summary of the requested configuration in Excel format, including the GYS equipment required for automation.

Récapitulatif de la configuration souhaitée au format Excel avec les équipements GYS nécessaires à l'automatisation.

Back-End

- Package including all installation files: 3D models (.step), IP configuration, software, EDS files, GSD files, and data mapping files.

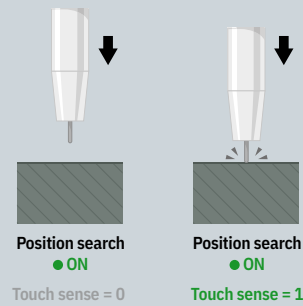
Dossier comprenant tous les fichiers d'installation : modèles 3D (.step), IP Config, logiciel, fichiers EDS, GSD, fichiers de mappage des données.

Front-End

- URCap software, sample programs, tools
Logiciels URcap, programmes exemples, outils

Specific functions

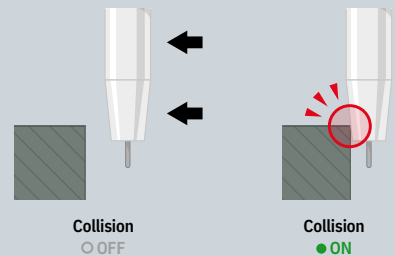
FONCTIONS SPÉCIFIQUES



1. Position search ✓ ROBOPULSE ✓ NEOPULSE ✓ KRYPTON & TITANIUM

Enables workpiece detection via low-current pulses through the electrode/wire. When contact is established, *Touch_Sense* switches to 1, allowing trajectory adaptation from the controller (relocalization, path correction, presence check, etc.).

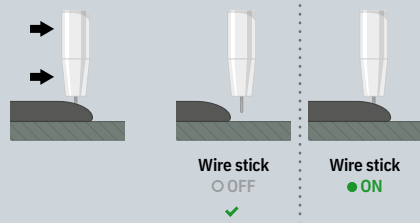
Permet la détection de pièce par impulsions à faible courant via l'électrode/le fil. Au contact, *Touch_Sense* passe à 1, autorisant l'adaptation de trajectoire depuis le contrôleur (relocalisation, correction, contrôle de présence, etc.).



2. Collision ✓ ROBOPULSE ✓ NEOPULSE

In the event of a collision, a signal is transmitted through the torch to automatically stop further movement by the controller. This helps to prevent damage to equipment.

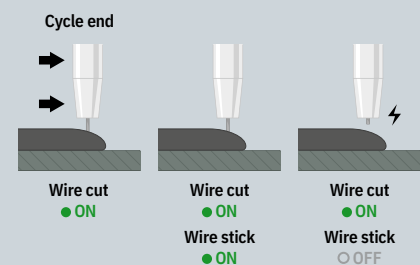
Lors d'une collision, l'information est transmise par la torche pour permettre un arrêt programmé du mouvement depuis le contrôleur. Cela évite les dommages matériels.



3. Wire stick ✓ ROBOPULSE ✓ NEOPULSE ✓ KRYPTON & TITANIUM

Wire stick signals to the robot control system that there is contact between the workpiece and wire at the end of the bead.

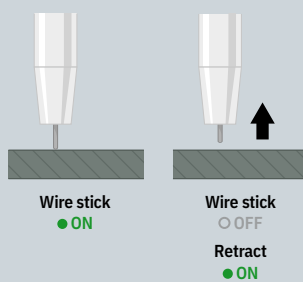
Le *wire stick* informe le contrôleur du robot d'un contact entre la pièce et le fil à la fin du cordon de soudure.



4. Wire cut ✓ ROBOPULSE NEW

The *Wire Cut* enables the wire to be separated from the solder bath if contact is detected following a weld, using current/voltage pulses sent by the generator.

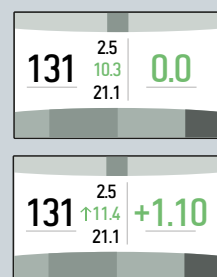
La fonction *Wire Cut* permet de séparer le fil du bain de soudure en cas de détection de contact après une soudure grâce à des impulsions de courant/tension envoyées par le générateur.



5. Retract ✓ ROBOPULSE NEW

When a welding cycle is initiated, if the wire is already in contact with the workpiece, a wire retraction command is activated to break this contact before welding begins. The start-up welding process is therefore improved.

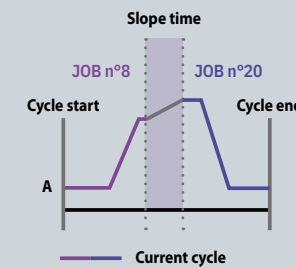
Lors du lancement d'un cycle de soudure, si le fil est déjà en contact avec la pièce, une commande de recul du fil est activée afin de rompre ce contact avant le démarrage de la soudure. Le démarrage soudure est donc amélioré.



6. Delta wire speed ✓ ROBOPULSE NEW

Real-time adjustment of the wire speed during welding without changing the welding current or voltage. This setting does not affect the synergistic modes current

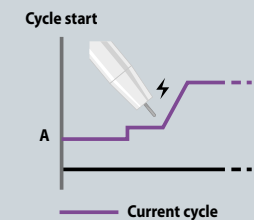
Ajustement en temps réel de la vitesse fil lors du soudage sans modification du courant et de la tension de soudage. Ce paramètre n'influe pas sur les points synergiques en cours d'utilisation.



7. Changed on the fly ✓ ROBOPULSE ✓ KRYPTON & TITANIUM NEW

It is possible to switch JOB on-the-fly during the welding cycle (without interrupting the arc). The switch delay between JOBS is set by the *Slope Time* parameter.

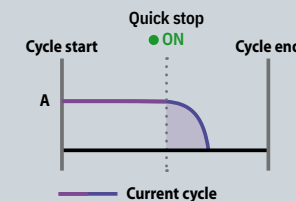
Le changement de JOB à la volée pendant le cycle de soudage est possible (sans rupture d'arc). *Slope Time* correspond au délai de transition entre 2 JOBS.



8. HF Adjustment ✓ KRYPTON & TITANIUM

Adjusting the intensity and duration of the HF (High Frequency) helps to reduce spatter and prevent damage to surrounding equipment.

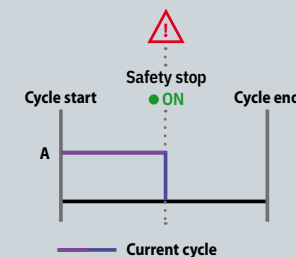
Ajuster l'intensité et la durée HF (Haute Fréquence) permet de réduire les projections et d'éviter d'endommager les équipements environnants.



9. Quick stop ✓ ROBOPULSE ✓ NEOPULSE ✓ KRYPTON & TITANIUM

Quick Stop allows for rapid interruption of the welding process, while still maintaining the quality of the weld bead.

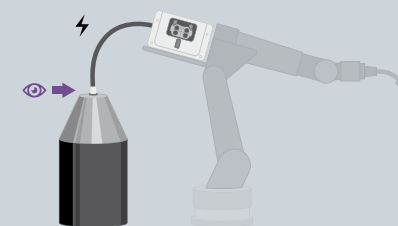
Le *Quick Stop* permet une interruption rapide du processus de soudage tout en préservant la qualité du cordon de soudure.



10. Safety stop ✓ ROBOPULSE ✓ NEOPULSE ✓ KRYPTON & TITANIUM

The safety stop causes the welding process to stop immediately to ensure safety.

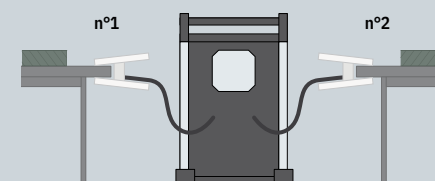
Le *Safety stop* provoque un arrêt instantané du processus de soudage pour garantir la sécurité.



11. End wire ✓ ROBOPULSE ✓ NEOPULSE

Integrated connector for installing an end-of-filler-wire spool detection sensor.

Prise intégrée pour l'installation d'un capteur de détection de fin de bobine de métal d'apport.



12. Double calibration ✓ ROBOPULSE NEW

This mode allows welding in two different environments, thanks to the calibration option provided by the controller.

Ce mode permet de souder dans deux environnements différents grâce au choix de calibration par le contrôleur.



MIG-MAG

GMAW-FCAW

ROBOPULSE	12
NEOPULSE	16
WIRE FEEDERS	20

Welding processes - PROCÉDÉS DE SOUDAGE

STANDARD DYNAMIC

Versatile / High speed
Polyvalent / Haute vitesse

- Controlled short-circuit
- Reduced globular phase
- Low spatter
- Excellent arc stability
- In all positions
- Court-circuit contrôlé
- Réduction de la phase globulaire
- Limite les projections
- Excellente stabilité d'arc
- Dans toutes les positions

STANDARD IMPACT

Penetration / High speed
Pénétration / Haute vitesse

- Ideal for carbon steel
- High productivity
- Excellent arc stability
- Low spatter, high deposition rate
- Multi-pass welding
- Wide, fluid weld pool
- Idéal acier carbone
- Haute productivité
- Excellente stabilité d'arc
- Limite de projections, fort taux de dépôt
- Soudage multipasses
- Bain de soudage large et fluide

MANUAL

Simple / Efficient / Versatile
Simple / Efficace / Polyvalent

- Adjustable voltage/wire speed
- Ideal for welding carbon steel
- Réglage de le tension / vitesse fil
- Idéal soudage acier carbone

PULSE

Finish quality / High speed
Qualité de finition / Haute vitesse

- High-quality welds
- Low, localized heat input
- Reduced deformation
- No craters, no cold lap
- Excellent arc stability
- Qualité de joints
- Apport de chaleur faible et ciblé
- Moins de distorsion
- Sans cratère, pas de manque de fusion
- Excellente stabilité d'arc

COLD PULSE

Only for Neopulse

For automotive manufacturers
Pour les constructeurs automobiles

- Ideal for thin workpieces
- In all positions
- For brazing galvanised sheets
- Reduced distortion
- Complies with manufacturer approvals
- Idéal pour les tôles fines
- Dans toutes les positions
- Pour brasage de tôles galvanisées
- Réduction des déformations
- Respect des homologations constructeurs

STANDARD ROOT

Root pass / Pipeline welding
Passage de racines / Soudage de pipelines

- Penetration control
- In all positions
- Open-root pass without backing
- Wide bead, flat root, excellent fusion
- Contrôle de pénétration
- Dans toutes les positions
- Passe de racine sans support
- Cordon large, racine plate, excellente fusion

MODULARC

Finish quality / All-position
Qualité de finition / Toutes positions

- Perfect aesthetic finish
- Heat input control
- High productivity on aluminium
- Esthétique irréprochable
- Contrôle d'apport de chaleur
- Productivité importante sur l'aluminium

	Operating range Plage d'utilisation (mm)
Standard dynamic	0.8 + 30 +
Standard impact	1.5 + 30 +
Manual	1 + 30 +
Pulse	0.8 + 30 +
Cold pulse	0.5 + 3
Standard root	0.5 + 5
Modularc	0.8 + 30 +



MIG/MAG

ROBOPULSE

INVERTER • PULSE

READY TO USE

Communication
bridge included

inside the
machine



OPTION
Ethernet IP
062078
Profinet
062085
Modbus TCP
063013
EtherCAT
063006



OPTION
SMARTFEED MB-PP
073647
Détails P.21



Safety

Wire end

OPTION
RC-HD3
079700



NEW
09/2026



70/95 mm²
Ø 13 mm

OPTIONS

Cooling unit Koolweld 5
1000 W, 5.5 L
liquid not included
032750

OPTION
Pallet trolley
064621

400 V • 3 ~ • POWER SOURCE

ROBOPULSE 501 G

500 A @ 50% IP 23

no accessories/no trolley :
087682

The future of automation

Intelligent & Evolutive



OPTIONS

Filter kit 2
063143



USB key 16 Go/GB
062344



ROBOPULSE 501 G



50 / 60 Hz



A



A



min → max



A



A



A



A



A



A



A



A



A



A



A



A



A



A



A



A



A



A



A



A



A



A



A



A



A



A



A



A



A



A



A



A



A



A



A



A



A



A



A



A



A



A



A



A



A



A



A

ROBOPULSE

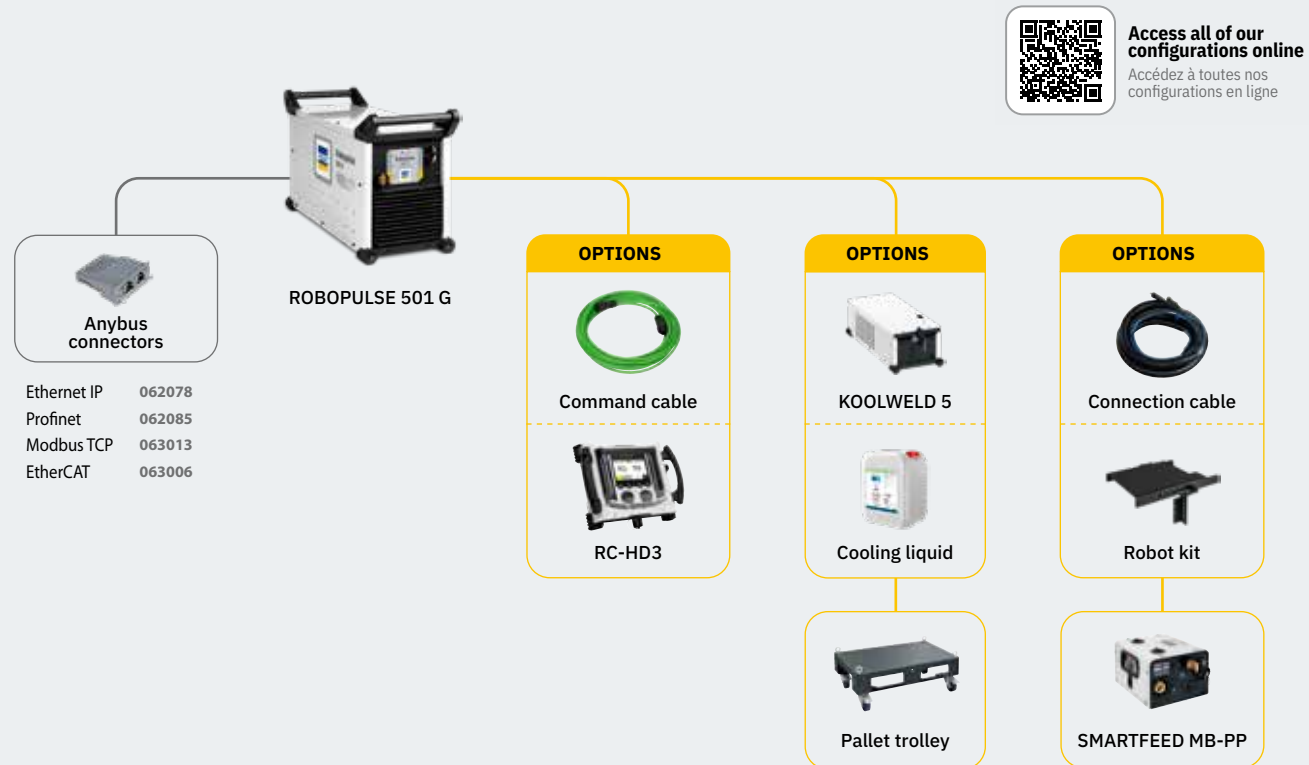
MIG/MAG • INVERTER • PULSE

13

GYS

12

CONFIGURATION EXAMPLE



COMPATIBILITY

Robot	Controller	Digital	
		Protocol	MIG
ABB	IRC5 single / IRC5 Compact / IRC5 Panel Mounted	EtherNet/IP - ProfiNet	✓
FANUC	R30iB +/-R30iB + mini / R30iB + mate	EtherNet/IP	✓
KUKA	KRC5	EtherCAT - ProfiNet	✓
YASKAWA	YRC1000	EtherNet/IP	✓

Cobot	Controller	Digital	
		Protocol	MIG
DOBOT	CR Serie	Modbus TCP	✓
UNIVERSAL ROBOTS	E serie / CB3	Modbus TCP	✓

PLC Programmable Logic Controller			Protocol
BECKHOFF	DELTA	OMRON	EtherNet / IP - ProfiNet - Modbus TCP - EtherCAT
PRO-FACE	ROCKWELL AUTOMATION	SCHNEIDER ELECTRIC	
SIEMENS	UNITRONICS	WAGO	

+ POWER SOURCE EQUIPMENT

ACCESSORIES FOR ROBOPULSE

REMOTE CONTROL - COMMANDE À DISTANCE

RC-HD3
079700

1.8 kg
35.5 x 28 x 21.5 cm / 2.9 kg

SOFTWARE UPDATE

HD3 Command cable not included

2 m 079717
6 m 079724
10 m 079731
20 m 093133

Included fixation



Automation Menu

EASY TO USE

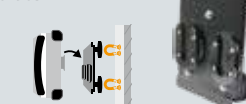


OPTIONS

USB key
16 Go/GB
062344



MAGNETFIX 50
029637



TROLLEY - CHARIOT

PALLET TROLLEY
064621

79 x 49 x 27.5 cm / 22.8 kg
81 x 52 x 21 cm / 24.2 kg



COOLING UNIT - GROUPE FROID



KOOLWELD 5
032750

OPTIONS

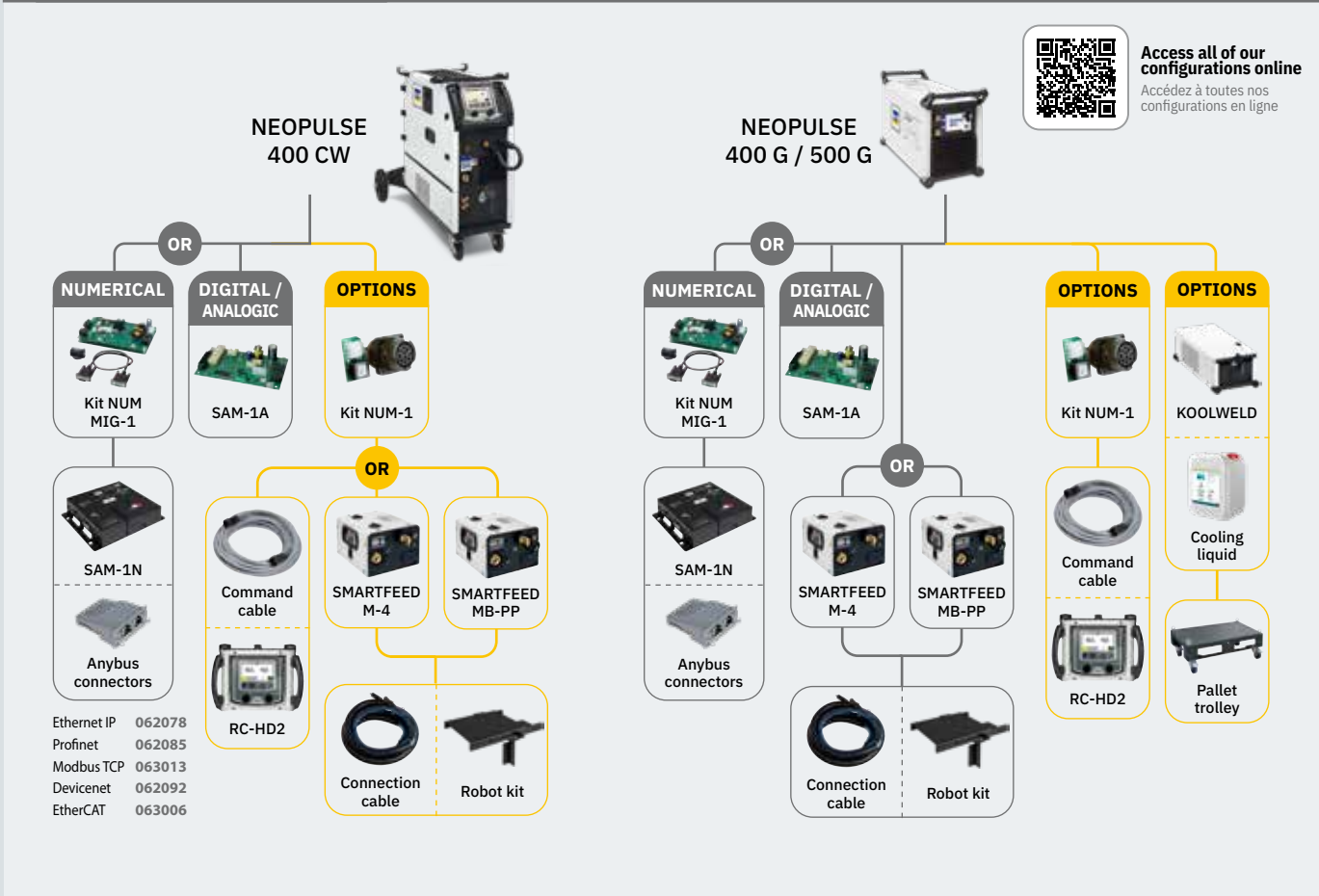
Cooling liquid
2L 082212
5L 062511
10L 052246



Ø 10 (x1)
064331
Ø 10 (x1)
064324
Ø 6 (x1)
064348

	50 / 60 Hz	1L/min	Output	Thermal protection - Protection thermique	Water flow sensor - Capteur débit d'eau	Water level sensor - Capteur niveau d'eau	Noise reduce - Réduction de bruit	L x W x H cm / kg	L x W x H cm / kg
KOOLWELD 5	400 V / 2~	1000	5.5	×1	■	■	■	80 x 36 x 35 / 20	72 x 30 x 24 / 17

CONFIGURATION EXAMPLES





WIRE FEEDERS

FOR ROBOPULSE & NEOPULSE



Access all of our configurations online

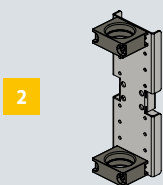
Accédez à toutes nos configurations en ligne



Kit n°20
Cable guide
075429



Kit n°21
Cable fixation
077324



Kit n°23
Interconnection mount
YASKAWA - AR1440 : 1730 / 2010
079458



Kit n°24
Interconnection mount
YASKAWA - AR3120
088672



Complete connection cable SMARTFEED

✓ Neopulse ✓ Robopulse

Liquid, 4 m, Ø95 mm²	073517
Liquid, 8 m, Ø95 mm²	069725
Liquid, 12 m, Ø95 mm²	078581
Liquid, 16 m, Ø95 mm²	085619

Command cable

✓ Neopulse

Control cable, 4 m	073524
Control cable, 8 m	073531

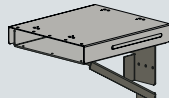
Smartfeed support for ROBOT kits - Kits de fixation pour dévidoir robotique SMARTFEED



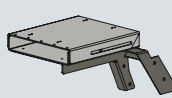
ASK US FOR MORE



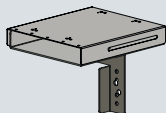
Kit n°1 - YASKAWA
070707



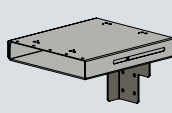
Kit n°2 - KAWASAKI
071445



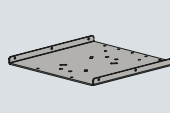
Kit n°3 - ABB IRB 1660ID
071452



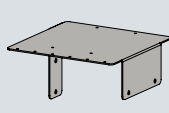
Kit n°4 - FANUC
071469



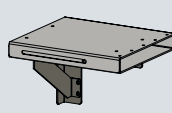
Kit n°5 - KUKA
071476



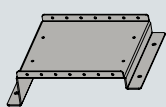
Kit n°6 - Multibrand
072282



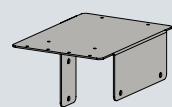
Kit n°7 - ABB IRB 4600
072602



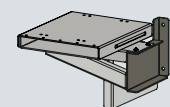
Kit n°8 - ABB IRB 1520ID
075399



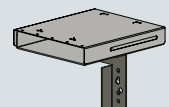
Kit n°9 - ABB IRB 6600
075931



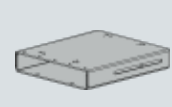
Kit n°10 - ABB IRB 2600
078772



Kit n°11 - ABB IRB 2600ID
078789



Kit n°12 - AR3120
086968

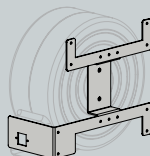


Kit n°13 - KUKA KR 20 R3100
088313

Robotic wire box - Boîtier fil robotique
Ø300 mm
079793



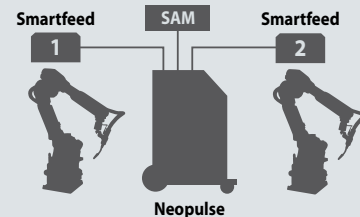
Robotic wire box holder - Support boîtier fil robotique
079809



Cable lug - Cosse



max	Ø	x1	Ref.
95 mm²	M10	x1	55035



DOUBLE WIRE FEEDER - DOUBLE DÉVIDOIR

Only for Neopulse

The settings on the two wire feeders may be different. Only one variable is used to switch from one wire feeder to the other (N°_Wirefeed = 1 or 2).

Les réglages sur les deux dévidoirs peuvent être différents. 1 seule variable pour passer d'un dévidoir à l'autre (N°_Wirefeed = 1 ou 2).



for Neopulse 400 CW - Kit NUM-1 necessary (063938)
for Neopulse 400 G / 500 G - Kit NUM-2 necessary (064942)



PUSH-PULL BRUSHLESS MOTOR

- ✓ Heavy duty
- ✓ Precise
- ✓ Maintenance-free
- ✓ Higher efficiency
- ✓ Fits all torches without an interface box

SMARTFEED MB-PP
073647

IP 21	BRUSHLESS MOTOR 100 W	L24.5 x W21.5 x H15 cm
-------	-----------------------	------------------------

Connection cable for the generator not included

For

- ✓ Robopulse 501 G
- ✓ Neopulse 400 CW
- ✓ Neopulse 400 G
- ✓ Neopulse 500 G



SMARTFEED M-4
066618

IP 21	MOTOR DC 115 W	L24.5 x W21.5 x H15 cm
-------	----------------	------------------------

Connection cable for the generator not included

For

- ✓ Neopulse 400 CW
- ✓ Neopulse 400 G
- ✓ Neopulse 500 G

	EN60974-1 (40°C)			Original equipment - Equipement d'origine		 max	PUSH-PULL	 Ø mm	 Ø mm		
	IA 60%	X% I2 max	Electronic Control		TYPE	m/min		MIG/MAG (Gas)	Flux Cored Wire (Gas / No Gas)	L × W × H cm / kg	
SMARTFEED M-4	500	60	 115 W	1.0 / 1.2 mm	F-061873	1 → 25	—	—	0.6 → 1.6	0.9 → 2.4	40 × 31 × 25 / 5.7
SMARTFEED MB-PP	500	60	 110 W	1.0 / 1.2 mm	F-061873	1 → 25	■	—	0.6 → 1.6	0.9 → 2.4	40 × 31 × 25 / 5.7



Back view
M-4 / MB-PP





TIG/GTAW

KRYPTON	24
TITANIUM	26



KRYPTON

TIG DC

SMART AUTOMATION MODULE -
MODULE D'AUTOMATISATION INTELLIGENT

P.29

NUMERICAL

SAM-1N

Inside the machine

Connectivity kit Num TIG

Krypton

SAM-1N

Anybus connector

Robot Cobot PLC

DIGITAL ANALOGIC

SAM-1A

Inside the machine

SAM-1A

Krypton

Robot Cobot PLC



OPTIONS

Filter kit 2
✓ Krypton 231 DC E FV
063143

**Pressure-regulator kit 5-30 L/min -
Kit débitmètre 5-30 L/min**
✓ Krypton 401 DC
073395

USB key 16 Go/GB
062344

QUICK SYSTEMS

✓ Krypton 231 DC E FV

QUICK ASSEMBLY

Cooling unit quick connection 076006

QUICK CONNECT

Included with Koolwed 1



KRYPTON 231 DC E FV

230 A

230 V • 1 ~

MADE IN FRANCE

PFC FV E WELD

no accessories :

088832

OPTIONS

Cooling unit **Koolwed 1**
1000 W, 3 L
liquid not included
070820



KRYPTON 401 DC

400 A

400 V • 3 ~

MADE IN FRANCE

FAST PULSE 10 kHz

E WELD

no accessories :

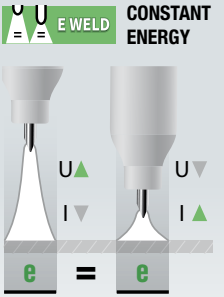
080904

OPTIONS

Cooling unit **Koolwed 3**
1000 W, 5.5 L
liquid not included
083363

PORTABILITY

Share configuration & jobs



				I ₂ TIG		INTEGRATED TECHNOLOGY					TIG						
											EN60974-1 (40°C)						
						50 / 60 Hz	A	A			TIG PULSE	E WELD	WAVE FORMS	IP23		I (60%)	X% (I2 max)
KRYPTON 231 DC E FV		230V 1~	16	3→230		0.1→ 10 000 Hz			235		215 A	45 %	200 A	77.5 V	12.5 kVA	51 × 31 × 48 / 18.2	52 × 28 × 40 / 16.6
		110V 1~	32	3→140							120 A	40 %	100 A	69 V			
KRYPTON 401 DC		400V 3~	32	3→400		0.1→ 10 000 Hz			23		360 A	45 %	320 A	64.5 V	30 kW	81 × 39 × 59 / 39	75 × 30 × 53 / 36



TIG

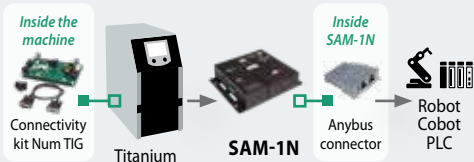
TITANIUM

TIG AC/DC

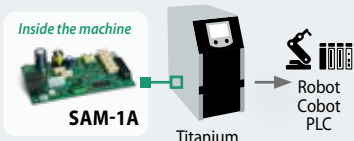
SMART AUTOMATION MODULE - MODULE D'AUTOMATISATION INTELLIGENT

P.29

NUMERICAL SAM-1N



DIGITAL ANALOGIC SAM-1A



SCREEN 7"



OPTIONS



OPTION
Pallet Trolley
064621

OPTIONS

Cooling unit Koolweld 3
1000 W, 5.5 L
liquid not included
083363

TITANIUM 321 AC/DC

320 A 400 V • 3 ~



320A 80 % TIG E WELD TIG PULSE FAST PULSE

no accessories/no trolley :
069879



OPTION
Pallet Trolley
064621

OPTIONS

Cooling unit Koolweld 3
1000 W, 5.5 L
liquid not included
083363

TITANIUM 401 AC/DC

400 A 400 V • 3 ~



400A 100 % TIG E WELD TIG PULSE FAST PULSE

no accessories/no trolley :
083820

TITANIUM 501 AC/DC

500 A 400 V • 3 ~

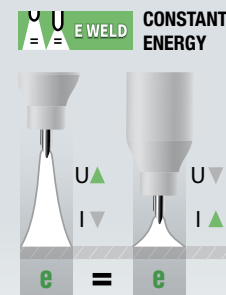
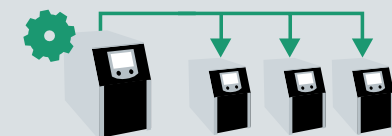


500A 60 % TIG E WELD TIG PULSE FAST PULSE

no accessories/no trolley :
088214

PORTABILITY

Share configuration & jobs



27

TITANIUM

TIG AC/DC

 EN60974-1	 MADE IN FRANCE			I ₂ TIG		INTEGRATED TECHNOLOGY					TIG EN60974-1(40°C)			EN60974-1 (40°C) MMA		Freq. AC			 Protected & compatible power generator (+/-15%)		
		50/60 Hz	A	A			TIG PULSE	EWELD	WAVE FORMS	IP23		I (60%)	X% (I2 max)	100%	I (60%)	X% (I2 max)	Hz	Uo		mm²	L×W×H cm / kg
TITANIUM 321 AC/DC		400V 3~	32	5+320 (AC) 3+320 (DC)		0.1→20 000 Hz (DC) 0.1→500 Hz (AC)	■	■	■	■	320 A	80 %	310 A	270 A	40 %	10→300	83	Ø13 70/95	24 kVA	81×38×58 / 33	72×30×56 / 30.5
TITANIUM 401 AC/DC		400 V 3~	32	5+400 (AC) 3+400 (DC)		0.1→20 000 Hz (DC) 0.1→500 Hz (AC)	■	■	■	■	400 A	100 %	400 A	330 A	40 %	10→300	83	Ø13 70/95	36 kVA	80×39×59 / 38.5	75×30×55 / 35.5
TITANIUM 501 AC/DC		400V 3~	32	5+500 (AC) 3+500 (DC)		0.1→20 000 Hz (DC) 0.1→500 Hz (AC)	■	■	■	■	500 A	60 %	440 A	365 A	40 %	10→300	83	Ø13 70/95	36 kVA	81×38×58 / 35	72×30×56 / 33

SMART AUTOMATION MODULE

MODULE D'AUTOMATISATION INTELLIGENT

FOR KRYPTON & TITANIUM

NUMERICAL

SAM-1N

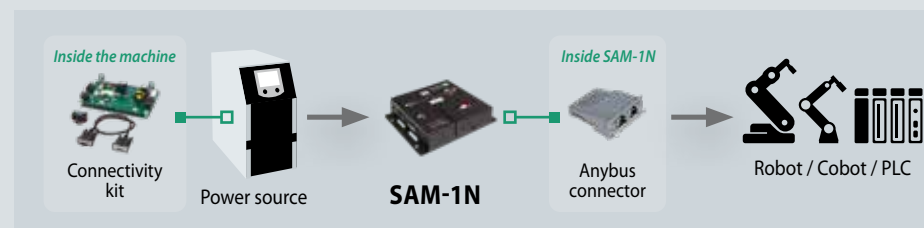
POWER SOURCE
CONNECTIVITY KITS

KIT NUM TIG/GTAW 1
for KRYPTON 231 DC E FV, 401 DC
TITANIUM 321 AC/DC, 401 AC/DC, 501 AC/DC
037960

SMART AUTOMATION MODULE
SAM-1N
064935

ANYBUS
CONNECTORS

Ethernet IP 062078
Profinet 062085
Modbus TCP 063013
Devicenet 062092
EtherCAT 063006

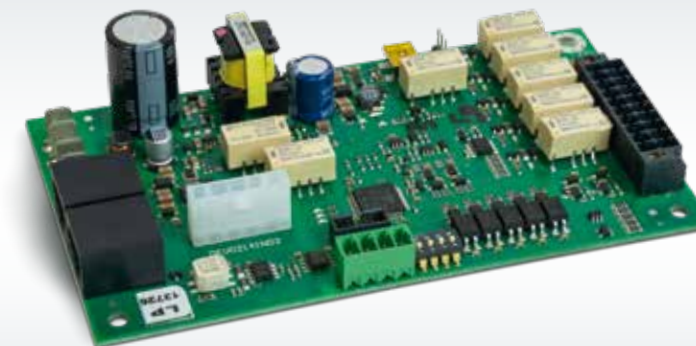
90% PLC/ROBOT
COMPATIBILITY5 COMMUNICATION
PROTOCOLSAUTOMATIC
DETECTION

	I (100%)	SAM-1N (Numerical)
KRYPTON 231 DC E FV	200 A	✓
KRYPTON 401 DC	320 A	✓
TITANIUM 321 AC/DC	310 A	✓
TITANIUM 401 AC/DC	400 A	✓
TITANIUM 501 AC/DC	440 A	✓

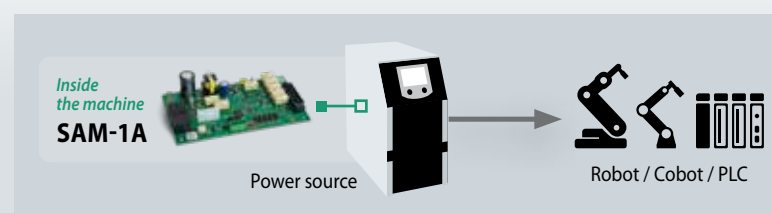
DIGITAL ANALOGIC

SAM-1A

SMART AUTOMATION MODULE SAM-1A
071940



Included

Integrated
SAFETY function2 modes:
20 Job, Manual

Youtube

Smart
automation
module videos

	I (100%)	SAM-1A (Digital / Analogue)
KRYPTON 231 DC E FV	200 A	✓
KRYPTON 401 DC	320 A	✓
TITANIUM 321 AC/DC	310 A	✓
TITANIUM 401 AC/DC	400 A	✓
TITANIUM 501 AC/DC	440 A	✓

Robot

Robot	Controller	SAM-1N - Digital	
		Protocol	TIG AC / TIG DC
ABB	Omnicores	EtherNet/IP - ProfiNet	✓
	IRC5 single / IRC5 Compact / IRC5 Panel Mounted	EtherNet/IP - ProfiNet - DeviceNet	✓
FANUC	R30iB +/- R30iB + mini / R30iB + mate	EtherNet/IP - DeviceNet	✓
HYUNDAI	Hi5a-S20	DeviceNet	✓
KAWASAKI	E controller	EtherNet/IP	✓
KUKA	KRC5	EtherNet/IP - EtherCAT - ProfiNet	✓
	KRC4/KRC4 Compact	EtherCAT - ProfiNet	✓
STÄUBLI	CS9	EtherCAT - Modbus TCP - EtherNet/IP	✓
YASKAWA	YRC1000	EtherNet/IP - ProfiNet	✓
	DX200	EtherNet/IP - ProfiNet	✓
	DX100	EtherNet/IP	✓

Cobot

	Controller	Digital / Analogue	SAM-1N - Digital	
		SAM-1A	Protocol	TIG AC / TIG DC
ABB	Omnicores	✓	EtherNet/IP - ProfiNet	✓
DOBOT	CR Serie	✓	Modbus TCP	✓
DOOSAN	M_Serie / H_Serie / A_Serie	✓	Modbus TCP	✓
FANUC	R30iB Mini Plus	✓	EtherNet/IP - DeviceNet	✓
HANWHA	HCR	-	Modbus TCP	✓
JAKA	ZU/ZU_*s/ZU_Ai	-	Modbus TCP	✓
KASSOW ROBOTS	KR Serie	✓	Modbus TCP	✓
OMRON	TM	-	Modbus TCP	✓
TECHMAN ROBOT	TM	-	Modbus TCP	✓
UNIVERSAL ROBOTS	E serie / CB3	✓	Modbus TCP	✓
YASKAWA	YRC1000	✓	EtherNet/IP - ProfiNet	✓

PLC Programmable Logic Controller

			Protocol
BECKHOFF	DELTA	OMRON	EtherNet / IP - ProfiNet - Modbus TCP - EtherCAT - DeviceNet
PRO-FACE	ROCKWELL AUTOMATION	SCHNEIDER ELECTRIC	
SIEMENS	UNITRONICS	WAGO	



Access all of our configurations online
Accédez à toutes nos configurations en ligne

KRYPTON
401 DC



OR

NUMERICAL



Kit NUM TIG-1



SAM-1N



Anybus connectors

DIGITAL / ANALOGIC



SAM-1A

OPTIONS



Command cable



RC-HD3

OPTIONS



KOOLWELD 3



Cooling liquid

TITANIUM
401 AC/DC



OR

NUMERICAL



Kit NUM TIG-1



SAM-1N



Anybus connectors

DIGITAL / ANALOGIC



SAM-1A

OPTIONS



Command cable



RC-HD3

OPTIONS



KOOLWELD 3



Cooling liquid



PALLET TROLLEY

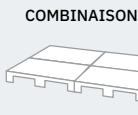
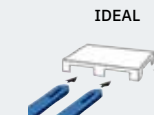


ACCESSORIES FOR KRYPTON & TITANIUM

COMPATIBILITY

TIG	KRYPTON 231 DC E FV	1	2	4
	KRYPTON 401 DC	1	3	4
	TITANIUM 321 AC/DC	1	3	4
	TITANIUM 401 AC/DC	1	3	4
	TITANIUM 501 AC/DC	1	3	4

TROLLEYS - CHARIOTS



1

PALLET TROLLEY 064621

↳ 79 x 49 x 27.5 cm / 22.8 kg
⊗ 81 x 52 x 21 cm / 24.2 kg



COOLING UNITS - GROUPES FROIDS

2

KOOLWELD 1 070820

KOOLWELD 4 087293



3

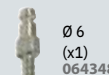
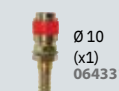
KOOLWELD 3 083363



OPTIONS

Cooling liquid

2L 082212
5L 062511
10L 052246



	50 / 60 Hz	Quick connect	1L/min W	L	Output Front	Thermal protection Protection thermique	Water flow sensor Capteur débit d'eau	Water level sensor Capteur niveau d'eau	Noise reduce	L x W x H cm / kg	L x W x H cm / kg
KOOLWELD 1	24 V DC	■	1000	3	■	■	■	■	■	65 x 36 x 32 / 18	62 x 26 x 2 / 16
KOOLWELD 4	24 V DC	■	1000	3	■	■	■	■	■	65 x 36 x 32 / 17	62 x 26 x 23 / 15
KOOLWELD 3	400 V / 2~	—	1000	5.5	■	■	■	■	■	80 x 36 x 35 / 20	72 x 30 x 24 / 18
WCU 1kW C	400 V / 2~	—	1000	5.5	■	■	■	■	■	80 x 36 x 35 / 19	72 x 30 x 24 / 17

REMOTE CONTROL - COMMANDE À DISTANCE

4

RC-HD3 079700

↳ 1.8 kg
⊗ 35.5 x 28 x 21.5 cm / 2.9 kg

for
✓ Krypton 401 DC
✓ Titanium 321 AC/DC



SOFTWARE UPDATE



Included fixation



HD3 Command cable

Not included

2 m 079717
6 m 079724
10 m 079731
20 m 093133

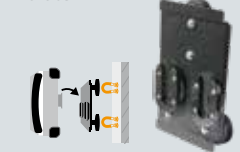


OPTIONS

USB key 16 Go/GB 062344



MAGNETFIX 50 029637





PLASMA CUTTING

NEOCUT	32
ACCESSORIES	34



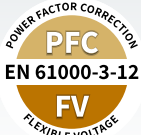
PLASMA

NEOCUT

MECHANIZED CUTTING

5 modes :

- Cutting - Coupage - Vollblech
- Gouging - Gougeage - Fugenhobeln
- Metal Mesh - Grillage - Gitter
- Marking - Marquage
- Spot - Point



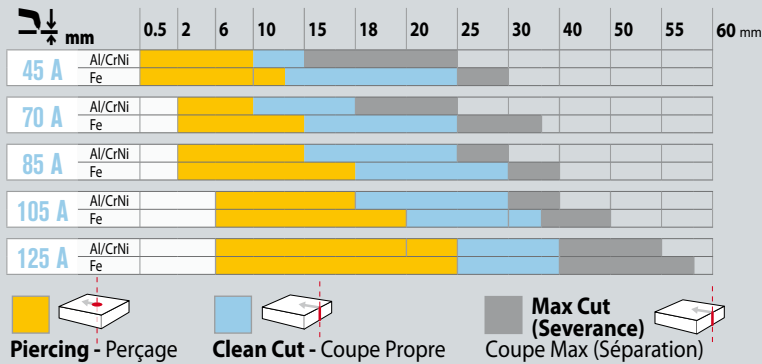
110 • 230 V • 1 ~

NEOCUT 45 M230

45 A	110 → 230 V • 1 ~	Fe 30 mm Al/CrNi 20 mm
P400	PFC FV Synergic Pressure	AD IP 23 CNC ANALOGIC CNC DIGITAL



Performances

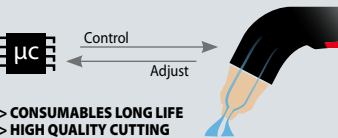


CNC recommendations

- Piercing time and height
- Cutting height
- Width of recess
- Optimum & maximum cutting speed
- Optimum & maximum voltage setting



SYNERGIC PRESSURE CONTROL



400 V • 3 ~

NEOCUT 70 T400

70 A	400 V • 3 ~	Fe 30 mm Al/CrNi 20 mm
P400	Synergic Pressure	AD IP 23 CNC ANALOGIC CNC DIGITAL



AD

IP 23

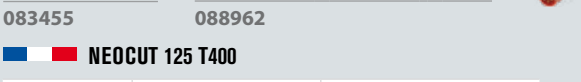


CNC

DIGITAL

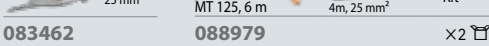
NEOCUT 105 T400

105 A	400 V • 3 ~	Fe 50 mm Al/CrNi 40 mm
P400	Synergic Pressure	AD IP 23 CNC ANALOGIC CNC DIGITAL



NEOCUT 125 T400

125 A	400 V • 3 ~	Fe 57 mm Al/CrNi 55 mm
P400	Synergic Pressure	AD IP 23 CNC ANALOGIC CNC DIGITAL



 EN60974-1					I ₂	 mm						INTEGRATED TECHNOLOGY			AIR SYSTEM Pressure (bar)			EN 60974-1 (40°C)				 Protected & compatible power generator (+/-15%)	 			
	50/60 Hz	Plug included				A	A	Coupe max Severance cut		Coupe propre Clean cut															Perçage Piercing	
								Fe	Al/CrNi	Fe	Al/CrNi	Fe	Al/CrNi	Pressure Control	AD	IP23	CNC	min	max	ideal					100%	IA 60%
NEOCUT 45 M230	230 V 1~ 110 V 1~	—	5	32	10+45 30+30	30 15	20 10	25 10	15 8	12 10	—	Synergic	■	■	analogic & digital	5 bar	7 bar	5.2 (185 L/min)	32 A 41 A	50% 25%	10/25 mm ² Ø 9 mm	10.5 kW	12.5 kVA	082748 - 52 × 30 × 47 / 17.5 088948 - NC		
NEOCUT 70 T400	400 V 3~	■	5	16	20+70	35	25	25	18	15	12	Synergic	■	■	analogic & digital	5 bar	9 bar	5.5 (305 L/min)	55 A 70 A	60%	10/25 mm ² Ø 9 mm	15 kW		083448 - 67 × 38 × 54 / 25.5 088955 - 67 × 38 × 54 / 30.5		
NEOCUT 105 T400	400 V 3~	■	5	32	20+105	50	40	35	30	20	18	Synergic	■	■	analogic & digital	5 bar	9 bar	5.5 (305 L/min)	105 A	—	100%	10/25 mm ² Ø 9 mm	30 kW	36 kVA	083455 - 69 × 36 × 58 / 33 088962 - NC	
NEOCUT 125 T400	400 V 3~	—	5	50	20+125	57	55	40	40	25	25	Synergic	■	■	analogic & digital	5 bar	9 bar	5.5 (305 L/min)	125 A	—	100%	35/70 mm ² Ø 13 mm	30 kW	36 kVA	083462 - 68 × 34 × 53 / 38.5 088979 - NC	

MT TORCHES HAND-HELD

MT torches no consumables	I (60%)	I (100%)	L (m)	ref
MT-45	45 A	—	4	088405
MT-70	70 A (50%)	50 A	6	037502
			12	037519
MT-125	125 A	105 A	6	039506
			12	039513



EASYFIT TORCHES

Easyfit connection cable

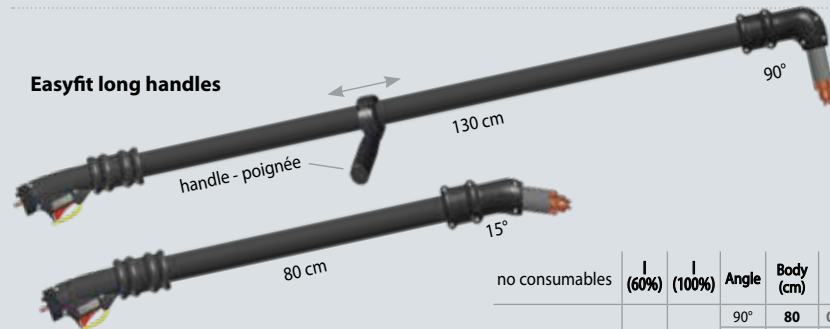


L (m)	ref
6	074668
12	074675
20	085817

Easyfit handles



Easyfit long handles

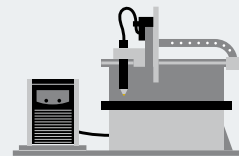


no consumables	I (60%)	I (100%)	Angle	ref
MT-70	70 A (50%)	50 A	75°	074583
			15°	074590
MT-125	125 A	105 A	75°	074606
			15°	074613
MT-160	160 A	125 A	85°	087477

no consumables	I (60%)	I (100%)	Angle	Body (cm)	ref
MT-125	125 A	105 A	90°	80	074620
			15°	80	074637
			90°	130	074644
			15°	130	074651

AT TORCHES MECHANIZED

AT torches no consumables	Recommended max piercing value (I 100%)	I (60%)	I (100%)	A	B	C	ref
AT-70	13 mm	70 A (50%)	50 A	6 m	376 mm	"Mini" 127 / Ø 35 mm	071865
				6 m	489 mm	240 mm / Ø 35 mm	037526
				12 m			037533
AT-125	20 mm	125 A	105 A	6 m			038479
				12 m	502 mm	240 mm / Ø 35 mm	039520
				15 m			069787
AT-160	25 mm	160 A	125 A	20 m			069794
				6 m			067479
				12 m	529 mm	227 mm / Ø 44.5 mm	067486
				15 m			069800
				20 m			069817



Cutting - Coupage

Diffuser - Diffuseur - Swirl Ring	Electrode - Schneidelektrode	Tip - Tuyère - Düse	Nozzle - Buse - Schneiddüsenhalter	Ohmic nozzle - Buse ohmique	Deflector - Déflecteur
AT-70	20-50 A	037557	037564	037571	037601
	70 A			037588	
	45 A Precision cut			039315	
AT-125	45 A	039131	039155	039162	039216
	65 A			039179	
	85 A			039186	
AT-160	105 A	039148		039193	039223
	125 A			039209	
	45 A Precision cut			067516	
	45 A			067523	087927
	65 A			067530	
	85 A			067547	
	105/125 A			067554	087484
	160 A			067561	

STANDARD Consumables / MT Torches

Boxes (cutting) - Coffrets (coupage)



MT-45	10-45 A	included	MT-70	20-70 A	included	MT-125	45-125 A	included
BOX MT 45			BOX 20-50 A			BOX 45/65/85 A		
088412			061613			039537		
			BOX 20-70 A			BOX 85/105 A		
			037540			064720		
						BOX 105/125 A		
						039544		

Cutting - Coupage

Diffuser - Diffuseur - Swirl Ring	Electrode - Schneidelektrode	Tip - Tuyère - Düse	Nozzle - Buse - Schneiddüsenhalter	Shield - Patin
MT-45	20-45 A	037557	037564	037571
		037557	037564	037571
MT-70	20-50 A	037557	037564	037571
		037557	037564	037571
MT-125	45 A Precision cut	039131	039155	039186
	45 A	039131	039155	039186
	65 A	039131	039155	039186
	85 A	039148	039155	039186
	105 A	039148	039155	039186
	125 A	039148	039155	039186
MT-160	30-45 A Precision cut	067509	067493	067516
	45 A	067509	067493	067516
	65 A	067509	067493	067516
	85 A	067509	067493	067516
	105-125 A	067509	067493	067516
	160 A	067509	067493	067516

Gouging - Gougeage

Diffuser - Diffuseur - Swirl Ring	Electrode - Schneidelektrode	Tip - Tuyère - Düse	Nozzle - Buse - Schneiddüsenhalter	Shield - Patin
MT-70	70 A	037557	037564	037595
	65-85 A	039131	039155	039261
MT-125	105 A	039148	039155	039278
	125 A	039148	039155	039285
MT-160	105-125 A	067509	067493	087934

DIFFICULT ACCESS Consumables / MT Torches

Cutting - Coupage

Diffuser - Diffuseur - Swirl Ring	Electrode - Schneidelektrode	Nozzle - Buse - Schneiddüsenhalter	Ring - Bague	Tip - Tuyère - Düse	Shield - Patin
MT-70	20-45 A	037557	074682	074859	074897
	70 A	037557	074682	074859	074897
MT-125	20-45 A	039131	074699	074866	074897
	70 A	039131	074699	074866	074897
	100 A	039148	074699	074866	074897

Gouging - Gougeage

Diffuser - Diffuseur - Swirl Ring	Electrode - Schneidelektrode	Nozzle - Buse - Schneiddüsenhalter	Ring - Bague	Tip - Tuyère - Düse	Shield - Patin
MT-70	70 A	037557	074682	074859	074897
MT-125	70 A	039131	074699	074866	074897
	100 A	039148	074699	074866	074897

Extractor - Extracteur 074842
Assembly & disassembly tool -
Outil d'aide à l'installation
et au démontage



WATER PROTECTION

Compressed air cleaning filter -
Filtre déshumidificateur
24 x 14 x 14 cm /
15 kg
039728

Filter cartridges -
Cartouches pour
filtre (x 4)
039735

DUST PROTECTION

Filter kit
for NEOCUT 105/125 T400
28 x 23 x 9 cm / 500 g
046580

AIR PROTECTION

Air pressure regulator
0-12 bar [0-175 psi]
(Needed for compressed
air supply > 9 bar or
130 psi)
059733

Plasma cutter side

G1/4 male
FR standard

COMPLETE PACKS

NEOCUT 45 M230											
	8 mm 10 mm										
pack NEOCUT 45 M230 M1 089488	•	4 m, 10 mm²	12 m 074675 + MT 70 074583				x1	x3	x3	x1	x1
Box 20-50A 061613											
pack NEOCUT 45 M230 A1 089495	•	4 m, 10 mm²		AT-70 6 m 037526	Digital / Analogic 084643		x1 037557	x5 037564	x5 037571	x1 (Ohmic) 037618	x1 037649

NEOCUT 70 T400											
	8 mm 10 mm										
pack NEOCUT 70 T400 M1 089501	•	4 m, 10 mm²	12 m 074675 + MT 70 074583				x1	x3	x3	x1	x1
Box 20-70A 037540											
pack NEOCUT 70 T400 A1 089518	•	4 m, 10 mm²		AT-70 6 m 037526	Digital / Analogic 084643		x1 037557	x5 037564	x5 037588	x1 (Ohmic) 037618	x1 037649

NEOCUT 105 T400											
	8 mm 10 mm										
pack NEOCUT 105 T400 M1 089525	•	4 m, 16 mm²	12 m 074675 + MT 125 074606			087958	x1 (85A) x1 (105A)	x3	x3 (85A) x3 (105A)	x1 (85A) x1 (105A)	x1 (85A) x1 (105A)
Box 85/105A 064720											
pack NEOCUT 105 T400 A1 089532				AT-125 12 m 039520	Digital / Analogic 084643		x1 039148	x5 039155	x5 039193	x1 (Ohmic) 039445	x1 039308

NEOCUT 125 T400											
	8 mm 10 mm										
pack NEOCUT 125 T400 M1 089549	•	4 m, 25 mm²	12 m 074675 + MT 125 074606			087958	x1	x3	x3 (105A) x3 (125A)	x1	x1
Box 105/125A 039544											
pack NEOCUT 125 T400 A1 089556	125A 60%	•	4 m, 25 mm²	AT-125 12 m 039520	Digital / Analogic 084643		x1 039148	x5 039155	x5 039209	x1 (Ohmic) 039445	x1 039308
pack NEOCUT 125 T400 A2 089563	125A 100%	•	4 m, 25 mm²	AT-160 12 m 067486	Digital / Analogic 084643		x1 067509	x5 067493	x5 067554	x1 (Ohmic) 067585	x1 067608



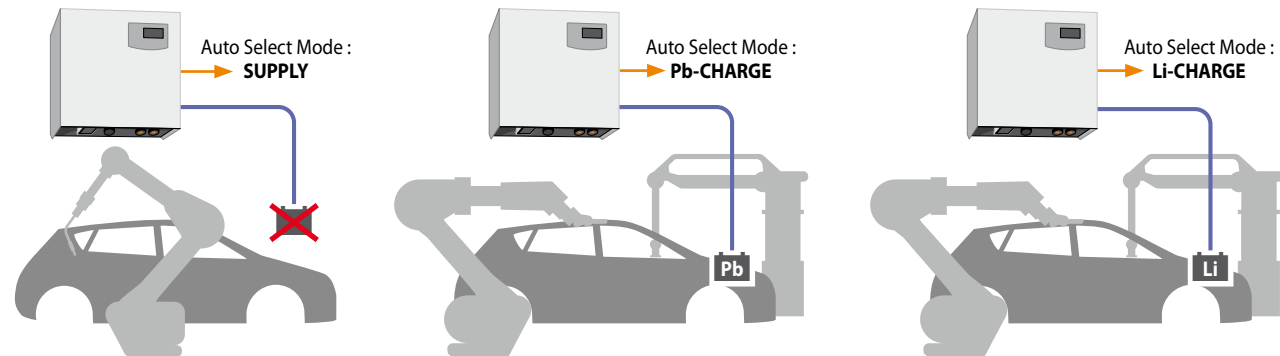


BATTERY SUPPORT UNITS

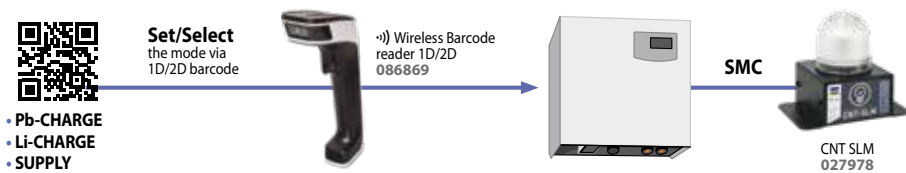
BSU GYSFLASH PRO FACTORY

SPECIAL PROJECT
- CONTACT US

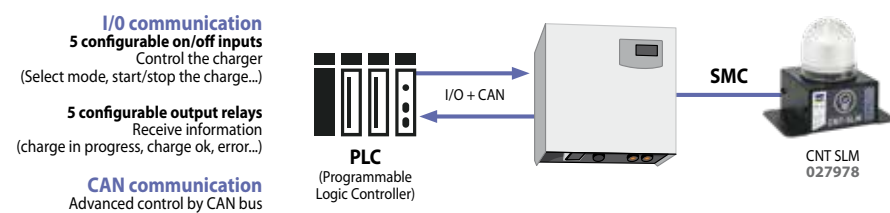
AUTOMATIC BATTERY DETECTION & MODE SELECTION



CONTROL VIA 1D/2D BARCODES



ADVANCED AUTOMATION



CHARGE (150 CURVE CAPACITY)

Pb CHARGE
✓ LEAD ACID
✓ and more

Li CHARGE
✓ LITHIUM
✓ and more

SUPPLY (10 CURVE CAPACITY)

EPS (External Power Supply)
✓ and more

POWER-UP

LITHIUM REACTIVATION MODE



BATTERY SUPPORT UNITS

BSU

GYSFLASH PRO FACTORY

CNT
Connected
Technology

FULLY
CUSTOMIZABLE

PFC POWER FACTOR
CORRECTION

FV FLEXIBLE
VOLTAGE

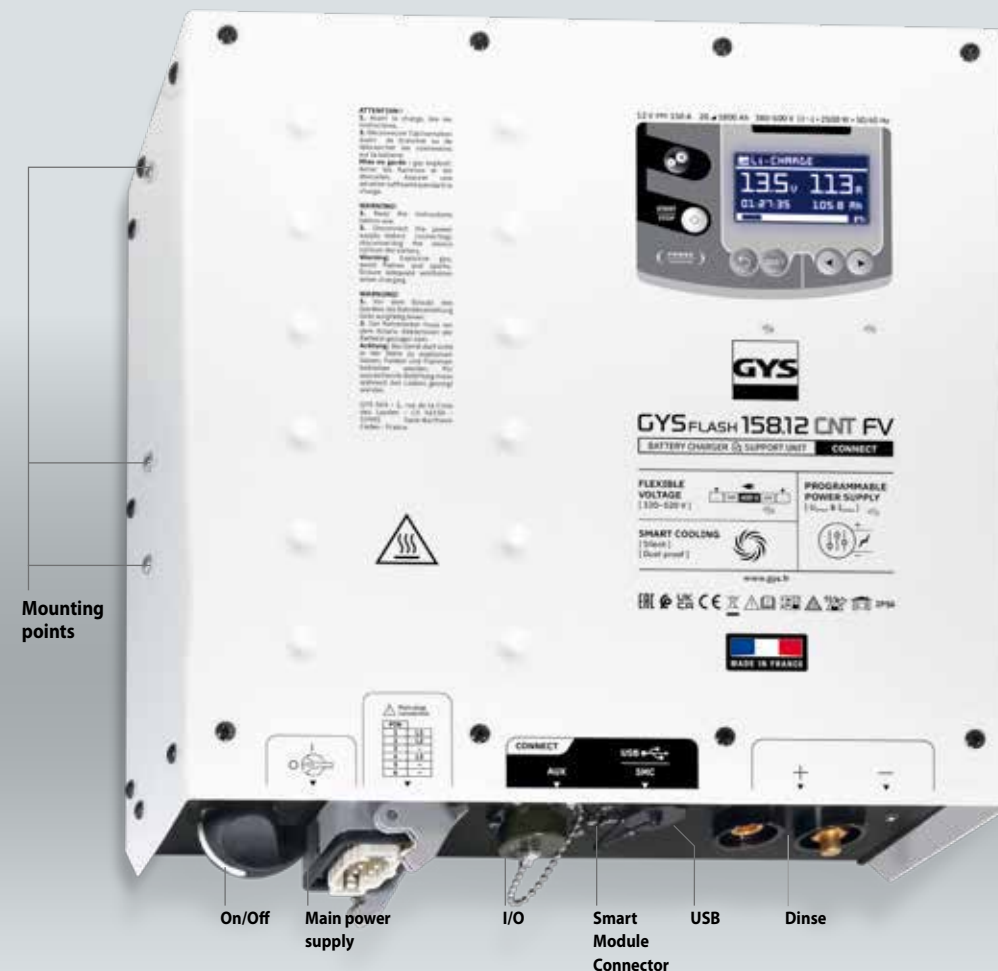
85 V 265 V

BSU GYSFLASH 108.12 CNT FV
BSU GYSFLASH 148.12 CNT FV

FV FLEXIBLE
VOLTAGE

320V 520V

BSU GYSFLASH 158.12 CNT FV



SCREW CONNECTOR
available on request

CNT TECHNOLOGY

Software update, traceability &
charging curve design : see page 34.

UPDATE

EXPORT

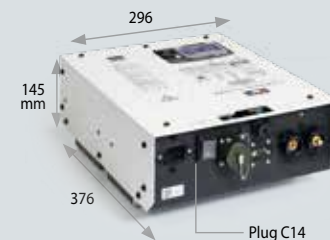
DOWNLOAD
CUSTOM CONFIGURATION

SECURE ACCESS

Customizable
manual accesses

Configurable
password

12 V

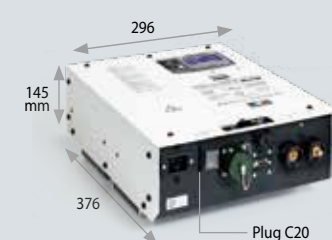


BSU GYSFLASH 108.12 CNT FV

105 A 1~

PFC SC FV CNT

no accessories
085602



BSU GYSFLASH 148.12 CNT FV

145 A 1~

PFC SC FV CNT

no accessories
069916



BSU GYSFLASH 158.12 CNT FV

150 A 3~

SC FV CNT

no accessories
069909

 MADE IN FRANCE	 50 / 60 Hz				25°C @ 100 %	40°C @ 100 %	60°C @ 100 %		START MINI	IP			
BSU GYSFLASH 108.12 CNT FV	220 ÷ 240V	1800W	2.5 m	12 V	230 V : 105 A 110 V : 65 A	230 V : 105 A 110 V : 65 A	230 V : 105 A 110 V : 65 A	230 V : 88 A 110 V : 62 A	20 ÷ 1200 Ah	1V	54	9.4 kg	37.6 × 14.5 × 29.6 cm
	100 ÷ 127V	1000W			230 V : 145 A 110 V : 100 A	230 V : 134 A 110 V : 100 A	230 V : 116 A 110 V : 90 A	230 V : 88 A 110 V : 62 A					
BSU GYSFLASH 148.12 CNT FV	220 ÷ 240V	2500W	2.5 m	12 V	230 V : 145 A 110 V : 100 A	230 V : 134 A 110 V : 100 A	230 V : 116 A 110 V : 90 A	230 V : 88 A 110 V : 62 A	20 ÷ 1800 Ah	1V	54	9.4 kg	37.6 × 14.5 × 29.6 cm
	100 ÷ 127V	1500W											
BSU GYSFLASH 158.12 CNT FV	380 ÷ 500V	2500W	-	12 V	150 A	140 A	120 A	100 A	20 ÷ 1800 Ah	1V	54	10.3 kg	37.6 × 14.5 × 38 cm

BSU GYSFLASH PRO CNT

BATTERY SUPPORT UNITS



INVEST IN THE FUTURE

AUTOMATION

2026 B

GYS France

Headquarters

1 rue de la Croix des Landes
CS 54159
53941 Saint-Berthevin - Cedex
Laval - France
Tel +33 2 43 01 23 60
E-mail service.client@gys.fr



ZI, 134 bd des Loges
53941 Saint-Berthevin
Laval - France

Logistic center

2 Rue Jean Dausset
53810 Changé - France
Tel +33 2 43 01 54 33

GYS Germany

Professor-Wieler
Straße 11
52070 Aachen
Deutschland
Tel +49 241/189-23-710
Fax +49 241/189-23-719
E-mail aachen@gys.fr

GYS UK

Unit D, Swift Point
Swift Valley
Rugby - Warwickshire
CV21 1QH
United Kingdom
Tel +44 1926 338 609
Fax +44 1926 429 764
E-mail uk@gys.fr

GYS Italia

Via Porta Est, 7
30020 Marcon - VE
Italia
Tel +39 041 53 21 565
E-mail italia@gys.fr

GYS Ibérica

Calle de las Perdrizas 7
Poligono Industrial Sector 8,
28110 Algete, Madrid
España
Tel +34 917 409 790
E-mail iberica@gys.fr

GYS China

Lot N°15 - 6666 bd Songze
201706 Qingpu
Shanghai - China
Tel +86 6221 4461
Fax +86 5226 0067
www.gys-china.com.cn
E-mail
contact@gys-china.com.cn

LinkedIn
 Youtube
 WeChat
 Facebook
 Instagram



www.gys.fr



Distributed by