



TIG/GTAW

DC
160 > 400 A

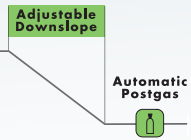
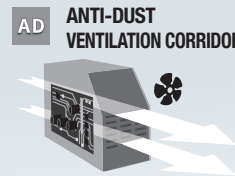
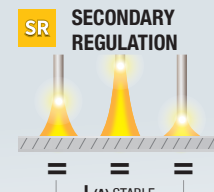
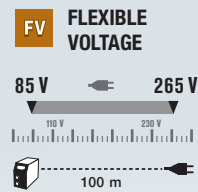
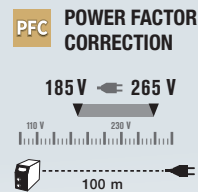
PROTIG DC	20
TITAN	22

AC/DC
200 > 400 A

PROTIG AC/DC	24
TITANIUM	26

COMPLETE PACKS	28
ACCESSORIES & CONSUMABLES	29

TIG DC

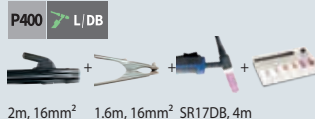


New design, new name
TIG 160 DC Lift > PROTIG 160 DC Lift

COMING SOON



160 A 230 V • 1 ~



TIG 160 DC LIFT
011106

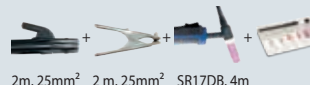
PROTIG 160 DC LIFT
077287

PROTIG 161 DC

160 A 230 V • 1 ~



no accessories:
066649



062054

PROTIG 200 DC

200 A 230 V • 1 ~



062009

PROTIG 201 DC FV

200 A 110 → 230 V • 1 ~



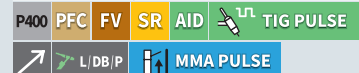
no accessories:
065772



065765

PROTIG 221 DC FV

220 A 110 → 230 V • 1 ~



no accessories:
070905

TIG 300 DC

300 A 400 V • 3 ~



no accessories:
012318

OPTIONS

Heavy-duty case
- Valise de chantier
- Hartschalenkoffer
3.9 kg

✓ 160 DC-LIFT
✓ 161 DC

060432

details p.101



Wheeled heavy-duty case XL
- Valise de chantier à roulettes XL
- Rollkoffer XL
9.5 kg

✓ 160 DC-LIFT
✓ 161 DC
✓ 200 AC/DC
✓ 201 AC/DC

077461

details p.101



NEW



Foot pedal RC-FA1
4 m
045682



Hand remote control
RC-HA1 8 m
045675



				I ₂ TIG	I ₂ MMA	INTEGRATED TECHNOLOGY												TIG			MMA						Protected & compatible power generator (+/-15%)
																		EN60974-1 (40°C)			EN60974-1 (40°C)						
						50 / 60 Hz	A	A	A	P400	PFC	FV	SR	AID	TIG PULSE	MMA PULSE	CEL	AD	IP23	IA (60%)	X% (I2 max)	100%					
 MADE IN FRANCE	TIG 160 DC Lift	230V 1~	16	20 → 160	20 → 160	■	—	—	—	—	—	—	—	95 A	22 %	—	80 A	17 %	72 V	21 x 27 x 14	9	6 kW	7.5 kVA				
	PROTIG 160 DC Lift	230V 1~	16	10 → 160	10 → 160	■	—	—	■	■	0.1 → 100 Hz	0.4 → 20 Hz	—	—	105 A	20 %	95 A	95 A	15 %	92 V	36 x 28 x 14	7.5	6 kW	7.5 kVA			
PROTIG 161 DC																											
MADE IN GYS CHINA	PROTIG 200 DC	230V 1~	16	5 → 200	10 → 160	■	—	—	■	■	0.1 → 900 Hz	0.4 → 20 Hz	—	—	115 A	20%	90 A	90 A	20 %	65 V	43 x 33 x 21	10	7.5 kW	10 kW			
 MADE IN FRANCE	PROTIG 201 DC FV	110V 1~	32	10 → 180	10 → 140	■	■	■	■	■	0.1 → 2000 Hz	0.4 → 20 Hz	—	—	125 A	25 %	110 A	100 A	25 %	70 V	41 x 20 x 23	10	7.5 kVA				
	PROTIG 221 DC FV	230V 1~	16	10 → 200	10 → 200	■	■	■	■	■	0.1 → 2000 Hz	0.4 → 20 Hz	—	—	165 A	30 %	140 A	135 A	20 %								
		110V 1~	32	5 → 180	10 → 140										■	■	■	■	■	0.1 → 2000 Hz	0.4 → 20 Hz	—	—	125 A	40 %	140 A	120 A
		230V 1~	13	5 → 220	10 → 200									165 A	35 %		135 A	25 %									
	TIG 300 DC	400V 3~	16	5 → 300	10 → 250	—	—	—	■	■	0.1 → 2000 Hz	0.4 → 20 Hz	■	■	■	255 A	35 %	240 A	220 A	30 %	90 V	52 x 40 x 25	23	10 kW	12.5 kVA		



TITAN

TIG
DC

TIG

STANDARD DC

SPOT

LIFT

PULSE

TACK

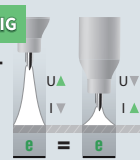
WAVE FORMS

Pulse
16 combinations



E TIG

CONSTANT
ENERGY



MMA

STANDARD

PULSE

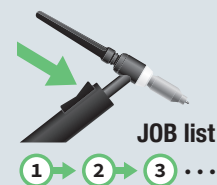
EVOLUTION

SOFTWARE UPDATE

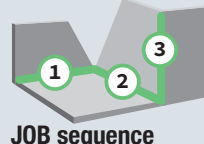


PRODUCTIVITY

QUICK LOAD



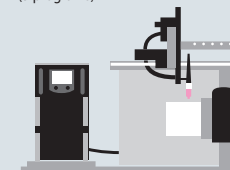
MULTIJOB



AUTOMATION

CONNECT 5 ARC ON

for Automation
(5 programs)



SAM ✓

Automation module
compatibility

SAM
(details p.61)



AUTOMATE / ROBOT

NEW
03/2023



TIG HF MULTI SPOT MULTI TACK



TITAN 231 DC FV

230 A

230 V • 1 ~

SR PFC FV AID L/DB/P IP 23

CEL cellulosic MMA PULSE

no accessories:
075245



EN 1090

TITAN 400 DC

400 A

400 V • 3 ~

FAST PULSE AID SR

10 > 20 kHz L/DB/P IP 23

no accessories:
013520

OPTION
Cooling unit WCU 1kW C
1000 W, 5.5 L, 15 kg
liquid not included
013537

2 m
230V

OPTION
Cooling unit Koolweld 1
800 W, 5.5 L, 15 kg
liquid not included
070820

OPTIONS

Foot pedal RC-FA1
4 m
045682



Hand remote
control RC-HA 1
8 m
045675



Remote control RC-HD2
062122



details p.56

Filter kit
046580



USB key
16 Go/GB included
062344



Skate TITAN
(+WCU)
700 x 100 x
350 mm
037717

NEW



Diable 10m³ XL
for Titan 231 DC FV
076341

 EN60974-1	 MADE IN FRANCE			I ₂ TIG	I ₂ MMA	INTEGRATED TECHNOLOGY								TIG			MMA											
						50 / 60 Hz	A	A	A	SR	TIG PULSE	ETIG	WAVE FORMS	MMA PULSE	CEL	IP23	EN60974-1 (40°C)						EN60974-1 (40°C)		U ₀	cm	kg	
																	I (60%)	X% (I ₂ max)					100%	I _A (60%)				X% (I ₂ max)
TITAN 231 DC FV		230V 1~	16	3+230	5+230	■	0.1+2 500 Hz	■	■	■	■	■	200 A	45 %	160 A	145 A	22 %	77.5 V	49 x 26 x 40	16.5	8.5 kW							
			32										215 A	50 %	200 A	175 A	25 %	77.5 V										
			110V 1~										32	120 A	40 %	100 A	85 A	23 %				69 V						
TITAN 400 DC		400V 3~	32	3+400	5+400	■	0.1+20 000 Hz	■	■	■	■	■	400 A	60 %	360 A	400 A	60 %	82 V	68 x 30 x 54	40	30 kW							



PROTIG

TIG
AC/DC



Youtube

VRD inside Voltage Reduction Device

Software & Hardware protection		
	Uo (EN60974-1)	U (Voltmeter)
VRD ON	26 V	29 V
VRD OFF	70 V	57 V
ON → OFF sensibility	< 200 Ω	
OFF → ON delay	< 0.3 s	



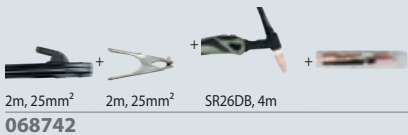
POWER FACTOR CORRECTION
PFC
EN 61000-3-12
FV
FLEXIBLE VOLTAGE

PFC
EN 61000-3-12
POWER FACTOR CORRECTION



PROTIG 200 AC/DC

200 A	230 V • 1 ~
P400 SR VRD inside	TIG PULSE
L/DB AD	MMA PULSE



PROTIG 201 AC/DC FV

200 A	110 → 230 V • 1 ~
P400 PFC FV SR VRD inside	TIG PULSE
L/DB/P AD	MMA PULSE

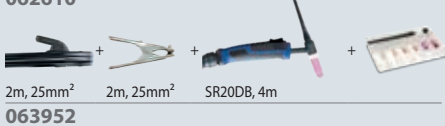
no accessories :
061828



PROTIG 201L AC/DC

200 A	230 V • 1 ~
P400 PFC SR VRD inside	TIG PULSE
L/DB/P AD	MMA PULSE

no accessories :
062610



ACCESSIBILITY

ERGONOMIC
& EASY
Large 5 inch
LCD colour screen

8 languages
• French • Spanish
• English • Portuguese
• German • Dutch
• Italian • Russian

TIG

STD AC/DC	SPOT
PULSE	TACK
LIFT	AC MIX

MMA

STANDARD	PULSE
MMA AC	

AUTOMATION

CONNECT 5 ARC ON

for Automation
(5 programs)



OPTION

10 m³

Skate TIG 250 AC/DC
for TIG 250 AC/DC
max 10 m³ (50 l)
80 x 47 x 90 cm / 8 kg
12 x 37 x 58 cm / 8,8 kg
040960

TIG 250 AC/DC

250 A	400 V • 3 ~
250A 60 % TIG	SR AID TIG PULSE
	CONNECT 5 ARC ON
	IP 23 FAN LESS

no accessories :
012004

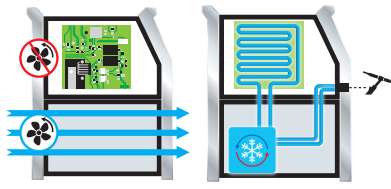


ALU
SHOCK
RESISTANT

FAN LESS
*** UNIQUE
TECHNOLOGY

100% DUST PROOF

LIQUID COOLED ELECTRONICS



OPTIONS



Foot pedal RC-FA1
4 m
045682



Hand remote control RC-HA1
8 m
045675



Cooling liquid (not included)

5L
062511



10L
052246

Screen protections
(x5)
044043



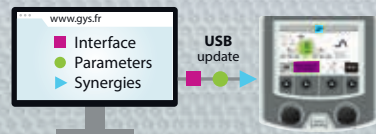
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TITANIUM

TIG AC/DC

CUSTOMISATION



ACCESSIBILITY

- 3 interface levels
- EASY
 - ADVANCED
 - EXPERT
- 10 languages
- French
 - English
 - German
 - Italian
 - Spanish
 - Czech
 - Dutch
 - Russian
 - Chinese
 - Japanese

TIG DC Synergic



TIG AC Pulse



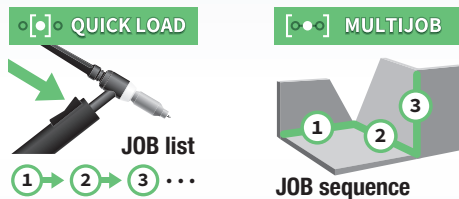
TIG DC Tack



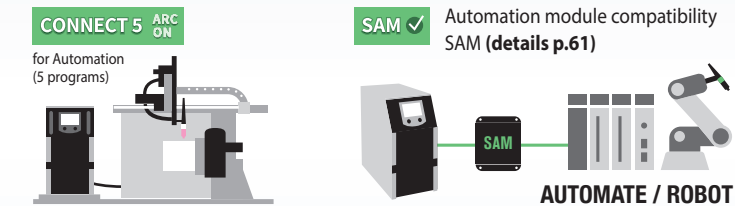
TIG

STANDARD AC/DC	HF / LIFT / TOUCH HF	WAVE FORMS	ETIG	HF REG
PULSE	SPOT / MULTISPOT	AC & Pulse 16 combinations	CONSTANT ENERGY	
FAST PULSE 2.5 > 20 kHz	TACK / MULTITACK			
	AC MIX			

MANUAL

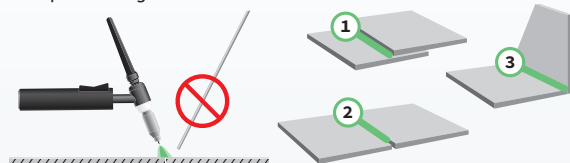


AUTOMATION



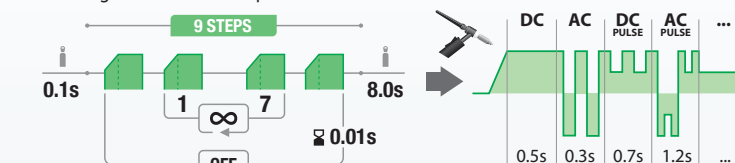
WIZARD ALU

Alu Spot welding without filler metal



TIG WIZARD

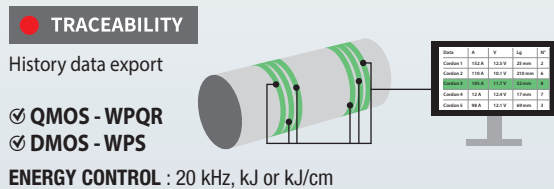
Welding research & development



DEGAUSS

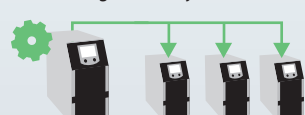
Pack				
TITANIUM 400 DEGAUSS				
067981	TITANIUM 400 AC/DC 013568	RC-DEGAUSS, 8m 066496	DEGAUSS cables kit (2x13)+(1x20) m, Texas 50.21 067929	DEGAUSS USB key 067974

CONNECTIVITY



PORTABILITY

Share configuration & jobs



SOFTWARE UPDATE

Titanium evolutions



details p.56



TITANIUM 230 AC/DC FV

230 A	110-230V • 1~	230A 35 %
PFC FV SR	L/DB/P IP 23	TIG PULSE
MMA PULSE		
no accessories : 061996	SR26DB, 8m 075924	4m, 25mm ²

TITANIUM 400 AC/DC

400 A	400V • 3~	400A 60 %
SR	L/DB/P IP 23	TIG PULSE
MMA PULSE		
no accessories : 013568		

OPTIONS

for Titanium 230 Diablo 10m ³ XL 076341	NEW Trolley 10m ³ L 075498	for Titanium 230 Cooling unit Koolweld 1 800 W, 5.5 l, 15 kg liquid not included 070820	for Titanium 400 Cooling unit WCU 1kW C 1000 W, 5.5 l, 15 kg liquid not included 013537	Foot pedal RC-FA1 4 m 045682	Hand remote control RC-HA1 8 m 045675	Filter kit 046580
details p.103	details p.103					
Skate 073593						

 CE NORM. EN60974-1	 MADE IN FRANCE			INTEGRATED TECHNOLOGY									EN60974-1 (40°C) TIG			EN60974-1 (40°C) MMA		Freq. AC						Protected & compatible power generator (+/-15%)	
		I ₂ TIG	SR	TIG PULSE	ETIG	WAVE FORMS	MMA PULSE	CEL	AD	IP23	I (60%)	X% (I2 max)	100%	I (60%)	X% (I2 max)	Hz	Uo	mm ²	cm	kg					
TITANIUM 230 AC/DC FV	50/60 Hz	A	A																						
	110 V 1~	32	140 A		0.1 + 20 000 Hz (DC) 0.1 + 500 Hz (AC)				—				140 A	100 %	140 A	130 A	50 %	20 + 300	55	Ø13 35/50	49 × 26 × 44	22,4		8,5 kW	
	230 V 1~	16	5 + 230 (AC) 3 + 230 (DC)										190 A	35 %	160 A	160 A	20 %								
TITANIUM 400 AC/DC	400 V 3~	16	5 + 400 (AC) 3 + 400 (DC)		0.1 + 20 000 Hz (DC) 0.1 + 500 Hz (AC)								400 A	60 %	360 A	400 A	60 %	20 + 300	85	Ø13 70/95	70 × 48 × 30	43		30 kW	

TITANIUM

TIG AC/DC

PROTIG 221 DC FV					
pack PROTIG 221 DC FV AL1 072749	SR26 L, 8 m 046184	—	4 m, 25 mm² 043794	—	—
pack PROTIG 221 DC FV ADB1 072763	—	SR26 DB, 8 m 046177	4 m, 25 mm² 043794	—	—
pack PROTIG 221 DC FV WL1 072770	SR20 L, 8 m 046153	—	4 m, 25 mm² 043794	WCU0.5kW A 039490	Diable 10m³ 039704
pack PROTIG 221 DC FV WDB1 072787	—	SR20 DB, 8 m 046146	4 m, 25 mm² 043794	WCU0.5kW A 039490	Diable 10m³ 039704

TIG 300 DC					
pack TIG 300 DC AL1 012325	SR26 L, 8 m 046184	—	4 m, 25 mm² 043794	—	—
pack TIG 300 DC AL2 012332	SR26 L, 8 m 046184	—	4 m, 25 mm² 043794	—	Diable 10m³ 039704
pack TIG 300 DC ADB1 012349	—	SR26 DB, 8 m 046177	4 m, 25 mm² 043794	—	—
pack TIG 300 DC ADB2 012356	—	SR26 DB, 8 m 046177	4 m, 25 mm² 043794	—	Diable 10m³ 039704
pack TIG 300 DC WL1 012363	SR20 L, 8 m 046153	—	4 m, 25 mm² 043794	WCU0.5kW B 032217	—
pack TIG 300 DC WDB1 012370	—	SR20 DB, 8 m 046146	4 m, 25 mm² 043794	WCU0.5kW B 032217	Diable 10m³ 039704
pack TIG 300 DC WDB2 012509	—	SR20 DB, 4 m 038202	4 m, 25 mm² 043794	WCU0.5kW B 032217	Diable 10m³ 039704

TITAN 400 DC					
pack TITAN 400 DC WL 013766	450W L, 8 m 037359	—	4 m, 70 mm² 043831	WCU1kW C 013537	10m³ T/M 400 A 037328
pack TITAN 400 DC WDB 013773	—	450W DB, 8 m 037366	4 m, 70 mm² 043831	WCU1kW C 013537	10m³ T/M 400 A 037328

PROTIG 201 AC/DC					
pack PROTIG 201 AC/DC L 066342	SR26 L, 8 m 046184	4 m, 25 mm² 043855	4 m, 25 mm² 043794	Diable 10m³ 039704	Ø 6,3/12 - 1,5 m 066670

PROTIG 201 L AC/DC					
pack PROTIG 201 L AC/DC L 066359	SR20 L, 8 m 046153	4 m, 25 mm² 043855	4 m, 25 mm² 043794	10m³ XL T/M1 041257	Ø 6,3/12 - 1,5 m 066670

TIG 250 AC/DC				
pack TIG 250 AC/DC L 035430	SR18 L, 8 m 045378	—	4 m, 25 mm² 043794	Skate 040960
pack TIG 250 AC/DC DB 012301	—	SR18 DB, 8 m 046092	4 m, 25 mm² 043794	Skate 040960

TITANIUM 230 AC/DC FV					
pack TITANIUM 230 AC/DC FV AL1 076976	SR26 L, 8 m 046184	—	4 m, 25 mm² 043794	—	—
pack TITANIUM 230 AC/DC FV AL2 076983	SR26 L, 8 m 046184	—	4 m, 25 mm² 043794	—	Diable 10m³ XL 076341
pack TITANIUM 230 AC/DC FV ADB2 077027	—	SR26 DB, 8 m 046177	4 m, 25 mm² 043794	—	Diable 10m³ XL 076341
pack TITANIUM 230 AC/DC FV WL1 076990	SR20 L, 8 m 046153	—	4 m, 25 mm² 043794	Koolweld 1 070820	—
pack TITANIUM 230 AC/DC FV WL2 077003	SR20 L, 8 m 046153	—	4 m, 25 mm² 043794	Koolweld 1 070820	Diable 10m³ XL 076341
pack TITANIUM 230 AC/DC FV WDB1 077034	—	SR20 DB, 8 m 046146	4 m, 25 mm² 043794	Koolweld 1 070820	—
pack TITANIUM 230 AC/DC FV WDB2 077041	—	SR20 DB, 8 m 038202	4 m, 25 mm² 043794	Koolweld 1 070820	Diable 10m³ XL 076341

TITANIUM 400 AC/DC					
pack TITANIUM 400 AC/DC WL 014763	450W L, 8 m 037359	—	4 m, 70 mm² 043831	WCU1kW C 013537	10m³ T/M 400 A 037328
pack TITANIUM 400 AC/DC WDB 062047	—	450W DB, 8 m 037366	4 m, 70 mm² 043831	WCU1kW C 013537	10m³ T/M 400 A 037328

Cooling liquid
(not included)5 L
06251110 L
052246Pressure-regulators
(not included)

p. 117



ORBITIG

POWER SUPPLY FOR ORBITAL TIG DC

CAN OPEN PROTOCOL

REAL TIME TRACKING

✓ HF ✓ LIFT

ORBITIG 200A

220 A

110 → 230 V • 1 ~

PFC FV SR

no accessories :

012448

I₂

EN60974-1 (40°C)



ORBITIG 200A

110 V 1~

32

5 + 180

40%

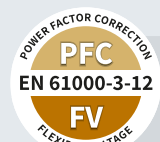
125A

110A

35/70

39 × 29 × 16

9

35/70 mm²
Ø 13 mm

CAN BUS - CAN OPEN PROTOCOL

