

**ims**

**PRO**

2014



MMA Electrode

TIG

MIG / MAG

Plasma Cutter

MIG/MAG Carbody

Dent Puller

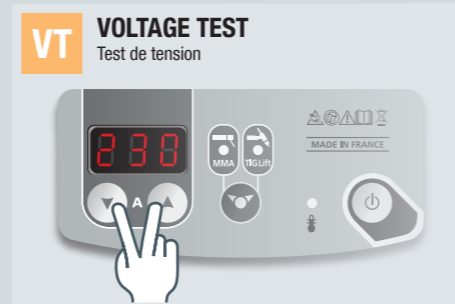
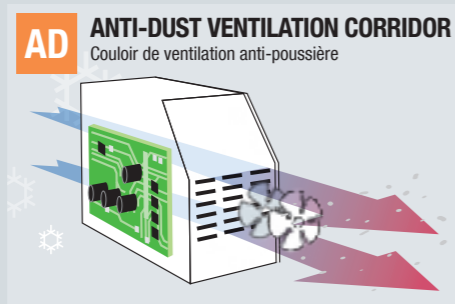
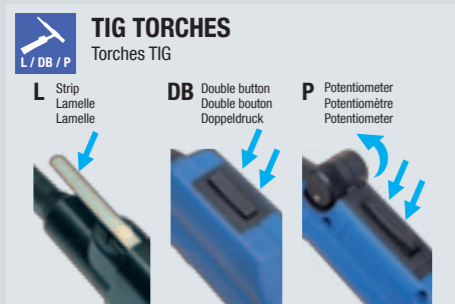
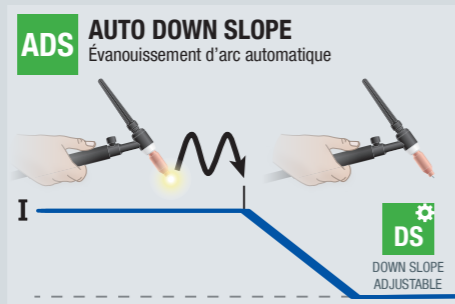
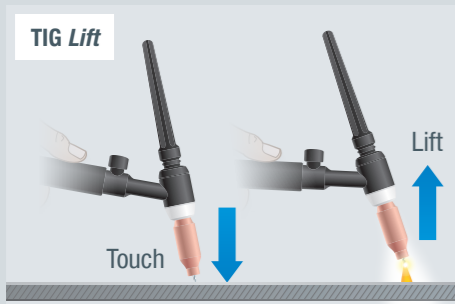
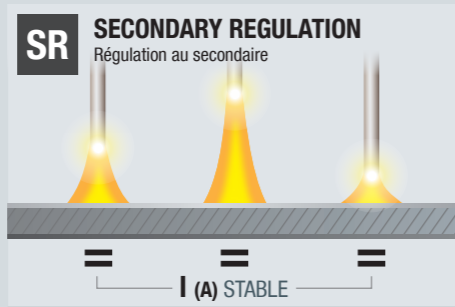
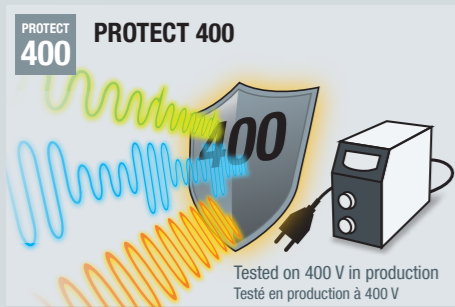
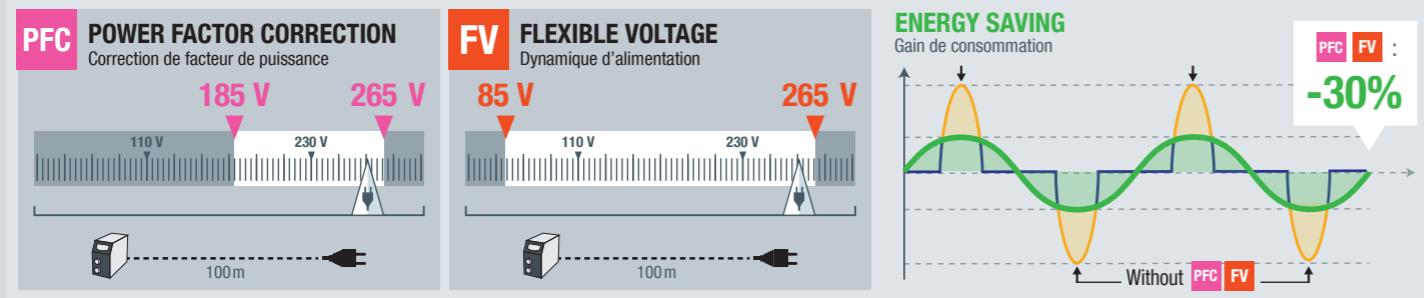
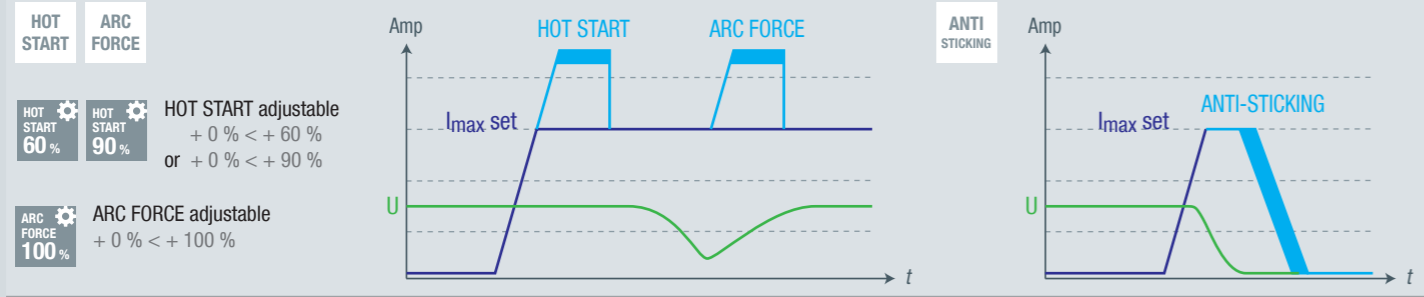
Spotter

Induction



MADE IN FRANCE

# MMA Electrode / TIG



# Inverter



Ø 1,6 < 5 mm

Steel, Stainless steel, Rutile, Basic, Cast-iron  
Acier, Inox, Rutile, Basique, Fonte  
Stahl, Edelstahl, Rutilen, Basische, Gusselektroden



Product	100 P	130 P	160 P	200 P
Reference	030626	030633	030091	011120
50/60 Hz - Fuse [AM]	230 V - 10 A	230 V - 13 A	230 V - 16 A	230 V - 32 A
A I <sub>2</sub> MMA	10 < 80 A	10 < 130 A	10 < 160 A	10 < 200 A
Ø electrode	1,6 < 2,5 mm	1,6 < 3,2 mm	1,6 < 4 mm	1,6 < 5 mm
X% IMS (20°C normal use)	45 % @ 80 A	55 % @ 130 A	60 % @ 160 A	58 % @ 200 A
I <sub>A</sub> @ 60 % EN 60974 (40°C)	31 A	45 A	85 A	120 A
X% @ I <sub>max</sub> EN 60974 (40°C)	6 %	5 %	14 %	20 %
V U <sub>0</sub> / U <sub>OC</sub> start voltage	85 V / 85 V	80 V / 85 V	72 V / 80 V	72 V / 80 V
Connector	10 / 25 mm <sup>2</sup>	10 / 25 mm <sup>2</sup>	10 / 25 mm <sup>2</sup>	10 / 25 mm <sup>2</sup>
Dimensions L x l x H (product / box)	10 x 14 x 23 / 40 x 30 x 14 cm	10 x 17 x 25 / 41 x 32 x 15 cm	11 x 17 x 28 / 42 x 36 x 17 cm	14 x 18 x 27 / 42 x 36 x 17 cm
Weight (product / box)	2,5 / 4,7 kg	2,9 / 5,8 kg	4,2 / 6,8 kg	5 / 8,4 kg
Power generator (+/-15%)	3 kW / 3,7 kVA	4 kW / 5 kVA	6 kW / 7,5 kVA	7 kW / 10 kVA
Included	1,6 m 10 mm <sup>2</sup> + 1,6 m 10 mm <sup>2</sup>	1,6 m 16 mm <sup>2</sup> + 1,6 m 16 mm <sup>2</sup>	2 m 16 mm <sup>2</sup> + 1,6 m 16 mm <sup>2</sup>	2 m 25 mm <sup>2</sup> + 1,6 m 25 mm <sup>2</sup>

MMA Electrode

# Digital

# 3φ Digital



PRINTED REGISTERED NUMBERS  
© COMPAN ITALIA S.p.A. & DESIGN

ALUMINIUM ★★★★★

CELLULOSIC ELECTRODE READY **CEL**



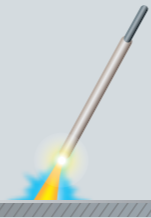
TIG Lift

TIG Lift



Color box

EXTRA DYNAMIC ARC 100 V



Options :

TIG Torch Kit  
SR17 Valve 4 m

10/25 mm<sup>2</sup> 044425  
35/50 mm<sup>2</sup> 044401



HOT START 60%  
ARC FORCE  
ANTI STICKING  
PROTECT 400

PFC FV ADS  
HOT START 90%  
ARC FORCE  
ANTI STICKING  
PROTECT 400

PFC FV SR ADS VT  
HOT START 90%  
ARC FORCE 90%  
ANTI STICKING  
PROTECT 400  
CEL

Product	170 E	200 E FV		200 E FV CEL	
Reference	030084	031067		030893	
50/60 Hz - Fuse $\overline{AM}$	230 V - 16 A	110 V - 20 A	230 V - 16 A	110 V - 32 A	230 V - 16 A
<b>A</b> I <sub>2</sub> MMA	160 A	130 A	200 A	120 A	200 A
<b>A</b> I <sub>2</sub> TIG	10 < 160 A	5 < 130 A	5 < 200 A	5 < 140 A	5 < 200 A
∅ electrode	1,6 < 4 mm	1,6 < 5 mm		1,6 < 5 mm	
<b>X%</b> IMS (20°C normal use)	65 % @ 160 A	64 % @ 200 A		80 % @ 200 A	
<b>V</b> U <sub>0</sub> / U <sub>ocv</sub> start voltage	72 V / 80 V	96 V / 96 V		108 V / 108 V	
<b>Ia</b> @ 60 % EN 60974 (40°C)	90 A	95 A	120 A	90 A	135 A
<b>X%</b> @ I <sub>max</sub> EN 60974 (40°C)	19 %	39 %	22 %	40 %	25 %
Connector	10 / 25 mm <sup>2</sup>	10 / 25 mm <sup>2</sup>		35 / 50 mm <sup>2</sup>	
Dimensions L x l x H (product / box)	12 x 21 x 27 / 42 x 36 x 17 cm	14 x 21 x 27 / 42 x 37 x 17 cm		16 x 27 x 36 / 45 x 36 x 21 cm	
Weight (product / box)	4,6 / 7,9 kg	5,5 / 8,9 kg		7,5 / 12,5 kg	
Power generator (+/-15%)	6 kW / 7,5 kVA	7 kW / 8,75 kVA		7 kW / 8,75 kVA	
Included	+  2 m 16 mm <sup>2</sup> +  1,6 m 16 mm <sup>2</sup>	+  2 m 16 mm <sup>2</sup> +  1,6 m 16 mm <sup>2</sup>		+  3 m 25 mm <sup>2</sup> +  3 m 25 mm <sup>2</sup>	

∅ 1,6 < 5 mm

Steel, Stainless steel, Rutile, Basic, Cast-iron  
Acier, Inox, Rutile, Basique, Fonte  
Stahl, Edelstahl, Rutilen, Basische, Gusselektroden



3 φ

3 φ

Option :

MMA Electrode Kit  
4 m  
35 mm<sup>2</sup> 047341



SR ADS

HOT START 100%  
ARC FORCE 100%  
ANTI STICKING

SR ADS AD CEL

HOT START 100%  
ARC FORCE 100%  
ANTI STICKING

PFC FV SR ADS AD

HOT START 90%  
ARC FORCE 90%  
ANTI STICKING  
CEL VT

Product	250 A TRI	CEL 250 A TRI	FLEX 250 A CEL		
Reference	010109	010123	030923		
50/60 Hz - Fuse $\overline{AM}$	400 V - 3 φ - 16 A	400 V - 3 φ - 16 A	1 φ ~ 3 φ		
<b>A</b> I <sub>2</sub> MMA / TIG	10 < 250 A	10 < 250 A	85 < 180 V 32 A	180 < 300 V 16 A	300 < 480 V 16 A
∅ electrode	1,6 < 5 mm	1,6 < 5 mm	1,6 < 3,2 mm	1,6 < 5 mm	
<b>X%</b> IMS (20°C normal use)	50 % @ 200 A	100 % @ 200 A	100 % @ 230 A (400 V - 3 φ)		
<b>V</b> U <sub>0</sub> / U <sub>ocv</sub> start voltage	66 V / 80 V	100 V / 100 V	100 V / 100 V		
<b>Ia</b> @ 60 % EN 60974 (40°C)	120 A	180 A	200 A (400 V - 3 φ)		
<b>X%</b> @ I <sub>max</sub> EN 60974 (40°C)	15 %	25 %	32 % (400 V - 3 φ)		
Connector	35 / 50 mm <sup>2</sup>	35 / 50 mm <sup>2</sup>	35 / 50 mm <sup>2</sup>		
Dimensions L x l x H (product / box)	16 x 40 x 30 / 50 x 25 x 33 cm	21 x 42 x 32 / 50 x 29,5 x 43,3 cm	23 x 44 x 32 / 50 x 29,5 x 43,3 cm		
Weight	8,6 kg	18 kg	18 kg		
Power generator (+/-15%)	10 kW / 12,5 kVA	10 kW / 12,5 kVA	10 kW / 12,5 kVA		

MMA Electrode

TIG

MIG/MAG

Accessories

Plasma Cutter

MIG/MAG Carbody

Dent Puller

Tools

Spotter

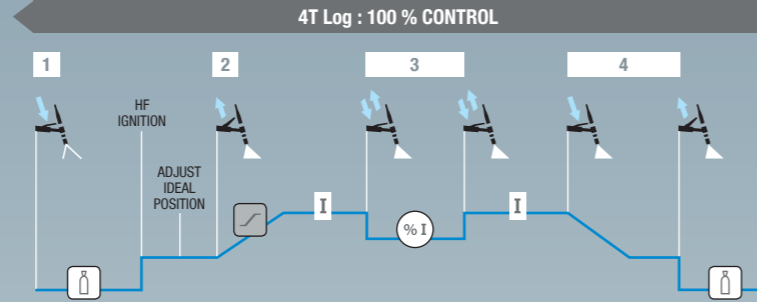
Induction

# DC

# AC/DC

TIG

TIG



**MEMORY SAVER**

DC	5 memories
AC/DC	10 memories (5+5)

Adjustable DOWN SLOPE



DS DB PROTECT 400
AID L/DB PROTECT 400
SR PFC FV
AD CEL
PFC FV SR AD AID L/DB/P PROTECT 400
PFC SR AD AID L/DB/P PROTECT 400

Product	TIG 160 DC Lift	TIG 160 DC HF	TIG 200 DC HF		TIG 250 DC HF
Reference	011113	016330	011397		034204
50/60 Hz - Fuse $\overline{AM}$	230 V - 16 A	230 V - 16 A	110 V - 32 A	230 V - 13 A	400 V - 3 $\phi$ - 16 A
A I <sub>2</sub> TIG	20 < 160 A	10 < 160 A	5 < 180 A	5 < 200 A	10 < 250 A
A I <sub>2</sub> MMA	20 < 160 A	10 < 160 A	10 < 120 A	10 < 200 A	10 < 200 A
I <sub>a</sub> @ 60 % EN 60974 (40°C)	95 A	100 A	115 A	140 A	170 A
X% @ I <sub>max</sub> EN 60974 (40°C)	22 %	21 %	26 %	30 %	33 %
V U <sub>0</sub>	72 V	82 V	76 V		95 V
Connector	10 / 25 mm <sup>2</sup>	35 / 50 mm <sup>2</sup>	35 / 50 mm <sup>2</sup>		35 / 50 mm <sup>2</sup>
Dimensions L x I x H (product / box)	14 x 29 x 21 / 45 x 24,5 x 33 cm	14 x 37 x 30 / 50 x 25 x 33 cm	42 x 15 x 31 / 50 x 25 x 33 cm		50 x 24 x 39 / 59 x 33 x 42,5 cm
Weight (product / box)	5 / 9,8 kg	9 / 13 kg	12 / 14,3 kg		19 / 19,8 kg
Power generator (+/-15%)	6 kW / 7,5 kVA	6 kW / 7,5 kVA	7 kW / 8,75 kVA		10 kW / 12,5 kVA
Included	1,6 m 16 mm <sup>2</sup> + 2 m 16 mm <sup>2</sup> 4 m SR17 DB + [ ]	2 m 25 mm <sup>2</sup> + 2 m 25 mm <sup>2</sup> 8 m SR17 DB + [ ]	2 m 25 mm <sup>2</sup> + 2 m 25 mm <sup>2</sup> 8 m SR17 DB + [ ]		Option : 8 m SR26 DB + 4 m 35/50 mm <sup>2</sup> 044487 043794
Reference without accessories	-	011328	010970		-

Product	TIG 200 AC/DC				TIG 200 L AC/DC	
	011724		011915		011915	
Reference	110 V - 20 A		230 V - 13 A		230 V - 16 A	
50/60 Hz - Fuse $\overline{AM}$	AC	DC	AC	DC	AC	DC
A I <sub>2</sub> TIG	10 < 160 A	5 < 160 A	10 < 200 A	5 < 160 A	10 < 200 A	5 < 160 A
X% IMS (20°C normal use)	47 % @ 160 A		32 % @ 200 A		47 % @ 160 A	
I <sub>a</sub> @ 60 % EN 60974 (40°C)	90 A		95 A		95 A	
X% @ I <sub>max</sub> EN 60974 (40°C)	30 %		13 %		13 %	
Frequency	20 < 200 Hz				20 < 200 Hz	
V U <sub>0</sub>	70 V				70 V	
Connector	35 / 50 mm <sup>2</sup>				35 / 50 mm <sup>2</sup>	
Dimensions L x I x H (product / box)	20 x 39 x 36 / 50 x 29,5 x 43,3 cm				20 x 42 x 49 / 50 x 29,5 x 56,3 cm	
Weight (product / box)	19 / 24 kg				26 / 31 kg	
Power generator (+/-15%)	6 kW / 7,5 kVA				6 kW / 7,5 kVA	
Included	2 m 25 mm <sup>2</sup> + 2 m 25 mm <sup>2</sup> + 8 m SR26 DB + [ ]				2 m 25 mm <sup>2</sup> + 2 m 25 mm <sup>2</sup> + 8 m SR20 DB + [ ]	
Reference without accessories	011717				010963	

# 3φ AC/DC

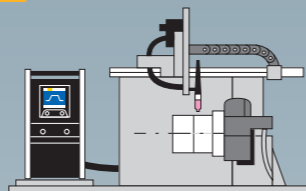
## GLOBAL INTUITIVE COMMAND PANEL



FONCTION / FUNCTION	TIG DC	TIG AC	MMA
Amorçage HF / HF Start	■	■	
Amorçage LIFT / LIFT Start	■	■	
Pré Gaz / Pre Gas	■	■	
Courant Initial / Initial Current	■	■	
Temps Initial / Initial Time	■	■	
Courant de montée / Up Slope	■	■	
Courant de soudage / Welding Current	■	■	
Courant Froid (Torche 2P, 4TLOG) / Second Welding Current	■	■	
Courant Froid PULSE / Second Welding Pulse Current	■	■	
Balance Balance	■	■	
Fréquence PULSE / Pulse Frequency	■	■	
Délai de pointage / Spot delay	■	■	
Evanouissement du courant / Down Slope	■	■	
Courant final / Final Current	■	■	
Temps final / Final Time	■	■	
Post Gaz / Post Gas	■	■	
Balance AC / AC Balance		■	
Fréquence AC / AC Frequency		■	
Diamètre électrode / Electrode diameter	■	■	
Hot Start			■
Arc Force			■
Inversion de Polarité / Polarity Inversion			■

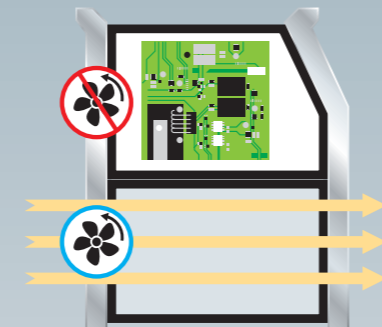


**5 TIG CONNECT 5**  
FOR AUTOMATE (5 PROGRAMS)

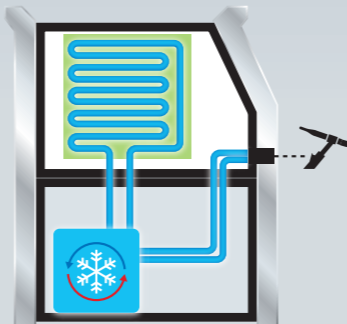


**5" 1/4**  
SUPER SIZE  
SCREEN

**DP 100 % DUST PROOF**  
100 % SANS POUSSIÈRE  
100 % STAUBFREI



**LIQUID COOLED ELECTRONICS**  
REFROIDISSEMENT LIQUIDE DE L'ÉLECTRONIQUE  
FLÜSSIGKEITSGEKÜHLTE ELEKTRONIK



★★★★★  
**IMS PRO**  
UNIQUE TECHNOLOGY

**LIQUID COOLING**  
1420 W Capacity : 5 L



Product	TIG 250 AC/DC HF
Reference	034266
50/60 Hz - Fuse	400 V - 3 φ - 16 A
A I <sub>2</sub> TIG	10 < 250 A
X% IMS (20°C normal use) - TIG	100% @ 250 A
I <sub>A</sub> @ 60 % EN 60974 (40°C) - TIG	250 A
X% @ I <sub>max</sub> EN 60974 (40°C) - TIG	60 %
X% IMS (20°C normal use) - MMA	100 % @ 250 A
I <sub>A</sub> @ 60 % EN 60974 (40°C) - MMA	230 A
X% @ I <sub>max</sub> EN 60974 (40°C) - MMA	40 %
Frequency	20 < 200 Hz
V U <sub>0</sub>	85 V
Connector	35 / 50 mm <sup>2</sup>
Dimensions L x l x H	34 x 64 x 67 cm
Weight (product / box)	46 kg
Power generator (+/-15%)	10 kW / 12,5 kVA

Options	
SR18 DB 8 m - Liquid 044647	SR18 L 8 m - Liquid 045378
250 A 4 m 043794	Protection screens (x 5) 044043
Coolant CORAGARD CS 330 - 10 L 052246	TIG AC/DC Trolley kit 040960

## Accessories



TIG filler rods		Electrodes																						
0,33 kg / 330 mm		Thoriated tungsten - DC																						
SG2	<table border="1"> <tr><td>Ø 1,6</td><td>087224</td><td>x 60</td></tr> <tr><td>Ø 2,0</td><td>087231</td><td>x 40</td></tr> </table>	Ø 1,6	087224	x 60	Ø 2,0	087231	x 40	Steel	<table border="1"> <tr><td>Ø 1,6</td><td>044524</td><td>x 10</td></tr> <tr><td>Ø 2,0</td><td>044531</td><td>x 10</td></tr> <tr><td>Ø 1,6</td><td>044548</td><td>x 10</td></tr> </table>	Ø 1,6	044524	x 10	Ø 2,0	044531	x 10	Ø 1,6	044548	x 10						
Ø 1,6	087224	x 60																						
Ø 2,0	087231	x 40																						
Ø 1,6	044524	x 10																						
Ø 2,0	044531	x 10																						
Ø 1,6	044548	x 10																						
308LSi	<table border="1"> <tr><td>Ø 1,6</td><td>087248</td><td>x 60</td></tr> <tr><td>Ø 2,0</td><td>087255</td><td>x 40</td></tr> </table>	Ø 1,6	087248	x 60	Ø 2,0	087255	x 40	Tungsten 100% - AC																
Ø 1,6	087248	x 60																						
Ø 2,0	087255	x 40																						
316LSi	<table border="1"> <tr><td>Ø 1,6</td><td>087262</td><td>x 60</td></tr> <tr><td>Ø 2,0</td><td>087279</td><td>x 40</td></tr> </table>	Ø 1,6	087262	x 60	Ø 2,0	087279	x 40	Alu	<table border="1"> <tr><td>Ø 1,6</td><td>044555</td><td>x 10</td></tr> <tr><td>Ø 2,4</td><td>044579</td><td>x 10</td></tr> </table>	Ø 1,6	044555	x 10	Ø 2,4	044579	x 10									
Ø 1,6	087262	x 60																						
Ø 2,0	087279	x 40																						
Ø 1,6	044555	x 10																						
Ø 2,4	044579	x 10																						
5 kg / 1000 mm		WR2 - AC/DC																						
SG2	<table border="1"> <tr><td>Ø 1,6</td><td>087019</td><td>x 319</td></tr> <tr><td>Ø 2,0</td><td>087217</td><td>x 204</td></tr> <tr><td>Ø 2,4</td><td>087033</td><td>x 142</td></tr> </table>	Ø 1,6	087019	x 319	Ø 2,0	087217	x 204	Ø 2,4	087033	x 142	all materials	<table border="1"> <tr><td>Ø 1,6</td><td>044586</td><td>x 10</td></tr> <tr><td>Ø 2,0</td><td>044593</td><td>x 10</td></tr> <tr><td>Ø 2,4</td><td>044609</td><td>x 10</td></tr> <tr><td>Ø 3,2</td><td>044616</td><td>x 10</td></tr> </table>	Ø 1,6	044586	x 10	Ø 2,0	044593	x 10	Ø 2,4	044609	x 10	Ø 3,2	044616	x 10
Ø 1,6	087019	x 319																						
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Ø 2,4	087033	x 142																						
Ø 1,6	044586	x 10																						
Ø 2,0	044593	x 10																						
Ø 2,4	044609	x 10																						
Ø 3,2	044616	x 10																						
320LSi	<table border="1"> <tr><td>Ø 1,6</td><td>087156</td><td>x 319</td></tr> <tr><td>Ø 2,0</td><td>087163</td><td>x 204</td></tr> </table>	Ø 1,6	087156	x 319	Ø 2,0	087163	x 204	Lanthanated WL15 - AC/DC																
Ø 1,6	087156	x 319																						
Ø 2,0	087163	x 204																						
316LSi	<table border="1"> <tr><td>Ø 1,6</td><td>087125</td><td>x 315</td></tr> <tr><td>Ø 2,0</td><td>087200</td><td>x 205</td></tr> <tr><td>Ø 2,4</td><td>087149</td><td>x 140</td></tr> </table>	Ø 1,6	087125	x 315	Ø 2,0	087200	x 205	Ø 2,4	087149	x 140	all materials	<table border="1"> <tr><td>Ø 1,6</td><td>045330</td><td>x 10</td></tr> <tr><td>Ø 2,0</td><td>045347</td><td>x 10</td></tr> <tr><td>Ø 2,4</td><td>045354</td><td>x 10</td></tr> <tr><td>Ø 3,2</td><td>045361</td><td>x 10</td></tr> </table>	Ø 1,6	045330	x 10	Ø 2,0	045347	x 10	Ø 2,4	045354	x 10	Ø 3,2	045361	x 10
Ø 1,6	087125	x 315																						
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Ø 1,6	045330	x 10																						
Ø 2,0	045347	x 10																						
Ø 2,4	045354	x 10																						
Ø 3,2	045361	x 10																						
AIMg5	<table border="1"> <tr><td>Ø 1,6</td><td>087170</td><td>x 920</td></tr> <tr><td>Ø 2,0</td><td>078187</td><td>x 590</td></tr> <tr><td>Ø 2,4</td><td>087194</td><td>x 410</td></tr> </table>	Ø 1,6	087170	x 920	Ø 2,0	078187	x 590	Ø 2,4	087194	x 410														
Ø 1,6	087170	x 920																						
Ø 2,0	078187	x 590																						
Ø 2,4	087194	x 410																						

COMPLETE TORCH		SR 9		SR 17		SR 26		SR 20		SR 18	
		L	DB	V	L	DB	L	DB	P	L	DB
BINZEL	X% DC	110 A (60%)		140 A (60%)		240 A (60%)		220 A (100%)		320 A (100%)	
	X% AC	95 A (60%)		125 A (60%)		220 A (60%)		200 A (100%)		240 A (100%)	
	Cooling	AIR		AIR		AIR		LIQUID		LIQUID	
10/25	4 m	044432	-	044425	-	044296	-	-	-	-	-
	8 m	044333	-	-	-	-	-	-	-	-	-
35/50	4 m	-	-	044401	044449	044388	044463	044418	044494	-	044470
	8 m	-	-	044319	-	044340	044395	044371	044487	044500	044357
Euro	4 m	-	-	-	-	045385	-	-	-	-	-

STANDARD		SR 9		SR 17 & SR 26		SR 20		SR 18	
		L	DB	L	DB	L	DB	L	DB
Ceramic gas nozzle	N4 Ø6,5	044876	x 3	-	-	044876	x 3	-	-
	N5 Ø8,0	-	-	045026	x 3	-	-	045026	x 3
	N6 Ø9,5	044883	x 3	-	-	044883	x 3	-	-
	N7 Ø11	-	-	045033	x 3	-	-	045033	x 3
	N8 Ø12,5	-	-	-	-	045170	x 3	-	-
Support clamp and nozzle	Ø 1,6	044838	x 3	044968	x 3	044838	x 3	044968	x 3
	Ø 2,0	045149	x 3	-	-	045149	x 3	-	-
	Ø 2,0/2,4	-	-	044975	x 3	-	-	044975	x 3
	Ø 2,4	044845	x 3	-	-	044845	x 3	-	-
	Ø 3,2	-	-	045118	x 3	045248	x 3	045118	x 3
Insulating ring adaptor		044890		045040		044890		045040	
	Ø1,6	044852	x 3	044982	x 3	044852	x 3	044982	x 3
Diffuser clamp bracket	Ø2,0	045132	x 3	044999	x 3	045132	x 3	044999	x 3
	Ø2,4	044869	x 3	045019	x 3	044869	x 3	045019	x 3
	Ø3,2	-	-	045125	x 3	045255	x 3	045125	x 3
Back cap	Short	044814		044944		044814		044944	
	Long	044821		044951		044821		044951	

PRO		SR 9		SR 17 & SR 26		SR 20		SR 18	
		L	DB	L	DB	L	DB	L	DB
Ceramic gas nozzle for gas lens	N4 Ø6,5	-	-	-	-	044920	x 3	-	-
	N5 Ø8,0	-	-	045071	x 3	-	-	045071	x 3
	N6 Ø9,5	044937	x 3	-	-	044937	x 3	-	-
	N7 Ø11	-	-	045088	x 3	045262	x 3	045088	x 3
	Ø 1,6	044906	x 2	045057	x 2	045906	x 2	045057	x 2
Nozzle body with gas lens	Ø 2,0	045156	x 2	-	-	045156	x 2	-	-
	Ø 2,0/2,4	-	-	045064	x 2	-	-	045604	x 2
	Ø 2,4	044913	x 2	-	-	044913	x 2	-	-
	Ø 3,2	-	-	-	-	045279	x 2	-	-
Adaptor for gas nozzle		-	-	045095		-	-	045095	
		-	-	045040		-	-	045040	

BOXES	BINZEL	SR 9		SR 17 & SR 26		SR 20		SR 18	
		Current	DC	AC/DC	AC/DC	AC/DC	AC/DC		
References in blue are included in the box (1 of each)	Tungsten electrode	WR2 Ø 1,6	WR2 Ø 1,6	WR2 Ø 1,6 & 2,4	WR2 Ø 1,6 & 2,4	WR2 Ø 1,6 & 2,4	WR2 Ø 1,6 & 2,4		
	Ref	044654	044678	044685	044678	044685	044678		

# 1φ Synergic

# 1φ Synergic inverter NEW

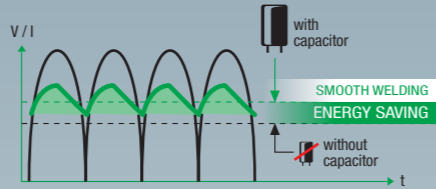
MIG/MAG

MIG/MAG

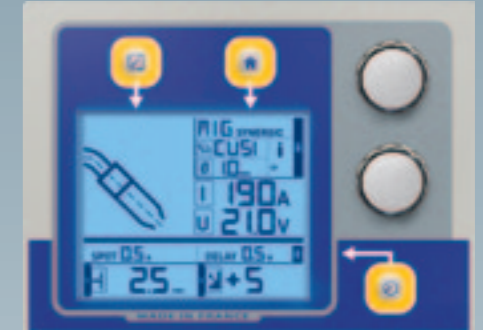


Auto adaptative wire speed  
Réglage automatique de la vitesse  
Automatische Einstellung der Drahtgeschwindigkeit

**Ci** CAPACITOR INSIDE



ACCESSORIES BOX ALL MIG



MIG/MAG (MANUAL / SYNERGIC) + MMA / TIG lift



Option:  
TIG torch Euro  
(see on p.9)

Product	Ci		
	UNIMIG 160-2	UNIMIG 200-2	UNIMIG 250-4
Reference	034068	033085	033092
50/60 Hz - Fuse $\overline{\text{AM}}$	230 V - 13 A	230 V - 25 A	240 V - 32 A
<b>A</b> I <sub>2</sub> MIG/MAG	40 < 140 A	30 < 200 A	40 < 250 A
Settings	4	6	8
∅ spool	200 < 300 mm	200 < 300 mm	200 < 300 mm
Electronic control	2 rollers	2 rollers	4 rollers
<b>I<sub>A</sub></b> @ 60 % EN 60974 (40°C)	70 A	110 A	170 A
<b>X%</b> @ I <sub>max</sub> EN 60974 (40°C)	140 A @ 15 %	200 A @ 15 %	250 A @ 15 %
<b>V</b> U <sub>0</sub>	27 < 45 V	17 < 34,5 V	17,5 < 38,5 V
∅ wire	0,6 < 0,8 (1) mm	0,8 < 1 mm	0,8 < 1 (1,2) mm
Dimensions L x l x H	47 x 77 x 79 cm	47 x 77 x 79 cm	47 x 77 x 79 cm
Weight	50 kg	70 kg	85 kg
Power generator (+/-15%)	4,5 kVA	7,5 kVA	11 kVA
Included	3 m 150 A + ∅ 37/9 mm 0,6/0,8 mm + 2 m 16 mm <sup>2</sup>	3 m 250 A + ∅ 37/9 mm 0,8/1 mm + 2 m 25 mm <sup>2</sup>	3 m 250 A + ∅ 37/9 mm 0,8/1 mm + 2 m 25 mm <sup>2</sup>

Product	GOLD 150-2		GOLD 190-2		GOLD 190-4 XL		GOLD MULTI 200-2	
	Reference	031982	031104	031104	031098	031098	031081	031081
50/60 Hz - Fuse $\overline{\text{AM}}$		230 V - 13 A	110 V - 32 A	230 V - 13 A	110 V - 32 A	230 V - 13 A	110 V - 32 A	230 V - 13 A
<b>A</b> I <sub>2</sub> MIG/MAG		20 < 150 A	20 < 120 A	20 < 190 A	20 < 120 A	20 < 190 A	20 < 150 A	20 < 200 A
<b>A</b> I <sub>2</sub> MMA		-	-	-	-	-	120 A	200 A
<b>A</b> I <sub>2</sub> TIG		-	-	-	-	-	10 < 180 A	10 < 200 A
∅ spool		100 < 200 mm	100 < 200 mm	100 < 200 mm	200 < 300 mm	200 < 300 mm	100 < 200 mm	100 < 200 mm
Electronic control		2 rollers	2 rollers	2 rollers	4 rollers	4 rollers	2 rollers	2 rollers
∅ wire		GAS : 0,6 < 1 mm / NO GAS : 0,9 mm	GAS : 0,6 < 1 mm / NO GAS : 1,2 mm	GAS : 0,6 < 1 mm / NO GAS : 1,2 mm	GAS : 0,6 < 1 mm / NO GAS : 1,2 mm	GAS : 0,6 < 1 mm / NO GAS : 1,2 mm	GAS : 0,6 < 1 mm / NO GAS : 1,2 mm	GAS : 0,6 < 1 mm / NO GAS : 1,2 mm
<b>I<sub>A</sub></b> @ 60 % EN 60974 (40°C)		90 A	110 A	120 A	110 A	120 A	115 A	135 A
<b>X%</b> @ I <sub>max</sub> EN 60974 (40°C)		150 A @ 26 %	120 A @ 45 %	190 A @ 22 %	120 A @ 45 %	190 A @ 22 %	150 A @ 22 %	200 A @ 20 %
<b>V</b> U <sub>0</sub>		67 V	83,4 V	83,4 V	83,4 V	83,4 V	85 V	85 V
Dimensions L x l x H (product / box)		23 x 43 x 33 / - cm	20 x 45 x 36 / 54,5 x 29,5 x 52,5 cm	20 x 45 x 36 / 54,5 x 29,5 x 52,5 cm	20 x 55 x 43 / 67,5 x 35,5 x 60 cm	20 x 55 x 43 / 67,5 x 35,5 x 60 cm	23 x 45 x 36 / 54,5 x 29,5 x 52,5 cm	23 x 45 x 36 / 54,5 x 29,5 x 52,5 cm
Weight (product / box)		14 / 16 kg	12 / 14 kg	12 / 14 kg	20 / 22 kg	20 / 22 kg	14 / 16 kg	14 / 16 kg
Power generator (+/-15%)		7,5 kW - 9 kVA	7,5 kW - 9 kVA	7,5 kW - 9 kVA	7,5 kW - 9 kVA	7,5 kW - 9 kVA	7,5 kW - 9 kVA	7,5 kW - 9 kVA
Included		2,2 m 150 A + 1,8 m 16 mm <sup>2</sup> + ∅ 30/9 mm 0,6/0,8 mm	3 m 150 A + 1,6 m 16 mm <sup>2</sup> + ∅ 30/9 mm 0,6/0,8 mm	3 m 150 A + 1,6 m 16 mm <sup>2</sup> + ∅ 30/9 mm 0,6/0,8 mm	3 m 150 A + 1,6 m 16 mm <sup>2</sup> + ∅ 37/9 mm 0,6/0,8 mm	3 m 150 A + 1,6 m 16 mm <sup>2</sup> + ∅ 37/9 mm 0,6/0,8 mm	3 m 150 A + 1,6 m 16 mm <sup>2</sup> + ∅ 30/9 mm 0,6/0,8 mm	3 m 150 A + 1,6 m 16 mm <sup>2</sup> + ∅ 30/9 mm 0,6/0,8 mm

- MMA Electrode
- TIG
- MIG/MAG
- Accessories
- Plasma Cutter
- MIG/MAG Carbody
- Dent Puller
- Tools
- Spotter
- Induction

# 3φ Synergic

ACCESSORIES BOX  
ALL MIG



Auto adaptative wire speed  
Réglage automatique de la vitesse  
Automatische Einstellung der Drahtgeschwindigkeit

INTERNO RECETTARIO A MEMORIA  
ELETTRONICO INFORMATIZZATO A 32 BIT



Max 10 m<sup>2</sup>  
(50 L)



Option

PF-4R

034815

360°

Max 10 m<sup>2</sup>  
(50 L)

Options	
400 A 4 m 35 mm <sup>2</sup> 043817	500 A 4 m 50 mm <sup>2</sup> 043824



Universal connection cables			
50 mm <sup>2</sup>		70 mm <sup>2</sup>	
5 m	10 m	5 m	10 m
034822	034853	034839	034860

Product	POWERMIG 200-4	POWERMIG 250-4 DV	POWERMIG 300-4
Reference	034754	034761	034778
50/60 Hz - Fuse	400 V - 3 φ - 10 A	230 V - 3 φ - 16 A    400 V - 3 φ - 10 A	400 V - 3 φ - 16 A
A I <sub>2</sub> MIG/MAG	30 < 200 A	35 < 250 A	35 < 300 A
∅ spool	200 < 300 mm	200 < 300 mm	200 < 300 mm
Electronic control	4 rollers	4 rollers	4 rollers
∅ wire	0,8 < 1 mm	0,8 < 1,2 mm	0,8 < 1,2 mm
I <sub>A</sub> @ 60 % EN 60974 (40°C)	140 A	180 A	240 A
X% @ I <sub>max</sub> EN 60974 (40°C)	200 A @ 30 %	250 A @ 30 %	300 A @ 35 %
V U <sub>0</sub>	16,5 < 34,5 V	17 < 37 V	17 < 39 V
Settings	7	10	12
Dimensions L x l x H	47 x 77 x 79 cm	50 x 90 x 88 cm	50 x 90 x 88 cm
Weight	63 kg	86 kg	90 kg
Included	4 m 250 A + ∅ 37/9 mm 0,8/1 mm + 2 m 25 mm <sup>2</sup>	4 m 250 A + ∅ 37/9 mm 0,8/1 mm + 4 m 25 mm <sup>2</sup>	∅ 37/9 mm 1/1,2 mm

Product	POWERMIG 300 G	POWERMIG 350-4 DUO DV	POWERMIG 350 G DV	PF-4R
Reference	034785	034808	034792	034815
50/60 Hz - Fuse	400 V - 3 φ - 16 A	230 V - 3 φ 25 A    400 V - 3 φ 16 A	230 V - 3 φ 25 A    400 V - 3 φ 16 A	-
A I <sub>2</sub> MIG/MAG	35 < 300 A	40 < 350 A	40 < 350 A	-
∅ spool	-	200 < 300 mm	-	200 < 300 mm
Electronic control	-	4 rollers	-	4 rollers
∅ wire	0,8 < 1,2 mm	0,8 < 1,2 mm	0,8 < 1,2 mm	0,8 < 1,2 mm
I <sub>A</sub> @ 60 % EN 60974 (40°C)	240 A	270 A	270 A	-
X% @ I <sub>max</sub> EN 60974 (40°C)	300 A @ 35 %	350 A @ 35 %	350 A @ 35 %	-
V U <sub>0</sub>	17 < 39 V	17 < 41,5 V	17 < 41,5 V	-
Settings	12	14	14	-
Dimensions L x l x H	50 x 90 x 88 cm	50 x 90 x 88 cm	50 x 90 x 88 cm	-
Weight	89 kg	102 kg	101 kg	17 kg
Included	-	∅ 37/9 mm 1/1,2 mm	-	∅ 37/9 mm 1/1,2 mm

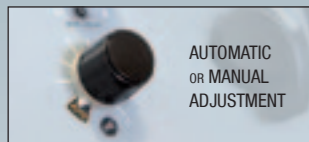
# 3φ Heavy duty

# 3φ Pulse in Pulse



**FULL SYNERGIC MIG**  
OVER 1000 PARAMETERS

**DYNAMIC ARC CONTROL TECHNOLOGY**



**MATERIAL THICKNESS TEST**



**ADJUSTABLE : SOFT START, BURN BACK & POST GAS**  
ELECTRONIC CONTROL



**GOUGING 450 A**  
HEAVYMIG 450 WS ✓  
Ø 8 max



Product	HEAVYMIG 350-4	HEAVYMIG 350 GR	WS-4R	HEAVYMIG 450 WS	WS-4L
Reference	033139	031272	031289	033146	033207
50 Hz - Fuse	400 V - 3 φ - 20 A	400 V - 3 φ - 20 A	-	400 V - 3 φ - 25 A	-
A I <sub>2</sub> MIG/MAG	40 < 350 A	40 < 350 A	-	45 < 450 A	-
Ø spool	200 < 300 mm	-	200 < 300 mm	-	200 < 300 mm
Electronic control	4 drive rollers	-	4 drive rollers	-	4 drive rollers
Ø wire	0,6 < 1,2 mm	-	0,6 < 1,6 mm	-	0,6 < 1,6 mm
Cooling system	Air	-	Air	-	Liquid
I <sub>a</sub> @ 60 % EN 60974 (40°C)	320 A	320 A	-	410 A	-
X% @ I <sub>max</sub> EN 60974 (40°C)	350 A @ 50 %	350 A @ 50 %	-	450 A @ 50 %	-
Settings	20	20	-	30	-
Dimensions L x l x H	50 x 105 x 98 cm	50 x 105 x 98 cm	25 x 59 x 56 cm	50 x 105 x 98 cm	25 x 59 x 56 cm
Weight	130 kg	130 kg	17 kg	160 kg	17 kg
Included	Ø 37/19 mm 1/1,2 mm		Ø 37/19 mm 1/1,2 mm		Ø 37/19 mm 1/1,2 mm

Max 10 m<sup>3</sup>  
(50 L)

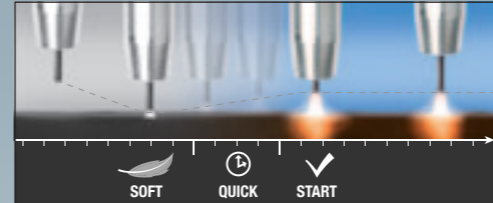
**WS-4R**  
031289  
HEAVYMIG 350 GR ✓

Option  
WS Board  
040977  
WS-4R ✓  
WS-4L ✓

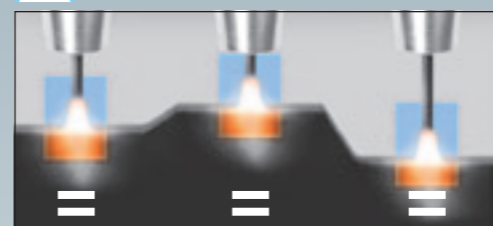
**WS-4L**  
033207

**LIQUID COOLING**  
Capacity : 5,5 L

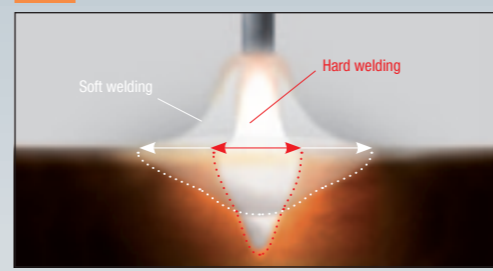
**SQS SOFT QUICK START**  
VITESSE D'ACCOSTAGE CONTROLÉE



**STABLE ARC & CONSTANT PENETRATION**  
ARC STABLE ET PÉNÉTRATION CONSTANTE



**ADJUSTABLE SELF INDUCTANCE RÉGLABLE**



**100% BURN BACK**

**DIFFICULT ACCESS**  
ACCES DIFFICILE  
PROBLEMPPOSITIONEN

**GAP-BRIDGING**  
REFERMENT DE JOUR  
SPALTÜBERBRÜCKUNG

**LOW DISTORSION**  
DEFORMATIONS REDUITES  
VERZUGSREDUZIERUNG

	Steel	AlMg <sub>5</sub>	AlSi <sub>2</sub> AlSi <sub>12</sub>	Inox 308 Inox 316	CuSi <sub>2</sub> CuAl <sub>2</sub>
Ø 0,8/1	Ø 0,8/1,2	Ø 0,8/1	Ø 0,8/1	Ø 0,8/1	Ø 0,8/1
CO <sub>2</sub>	Ar	Ar	Ar	Ar	Ar

**4 DRIVE ROLLERS**  
Ø 37 mm - Motor 75 W  
**LIVE ELECTRONIC CONTROL**

OPTION	PRO
Ø1,0mm	AL_MgSARG
8 m/min	+
1.91	.0
U (V)	-2
12.6	0
+	0.1 mm
8	1.0m/min
	I 10A
PRO	Prog 2

PRO MODE	BASIC MODE
Ø1,0mm	Fe_ARGCO2
	STD
	4T
	2T
	4T
	1
	U= 52V
	I= 215A

**5" 1/4**  
SUPER SIZE SCREEN



**SYNERGIES UPDATE**

Options
SD Card 2 Gb
400 A 4 m 35 mm <sup>2</sup>
500 A 4 m 50 mm <sup>2</sup>
Protection screens (x 5)
050914
043817
043824
044043

Trolleys (see on p.19) :

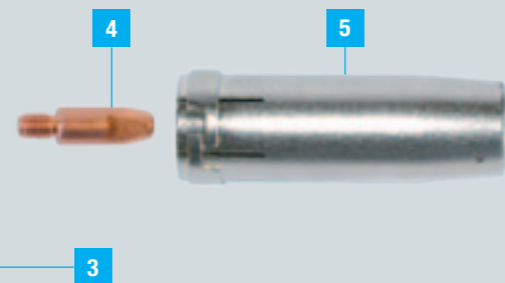
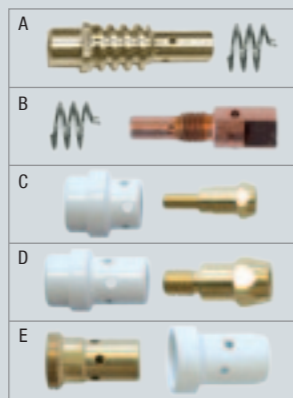
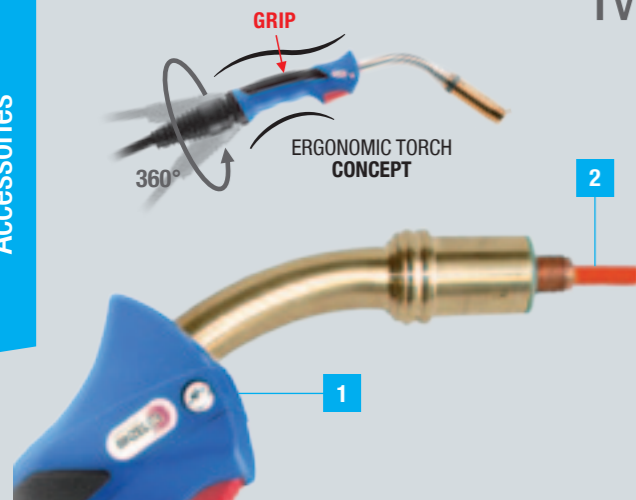


Product	PULSEMIG 270
Reference	033214
50/60 Hz - Fuse	400 V - 3 φ - 16 A
A I <sub>2</sub> MIG/MAG	15 < 270 A
Ø spool	200 < 300 mm
Electronic control	4 drive rollers
Ø wire	0,6 < 1,2 mm
Cooling system	Air
I <sub>a</sub> @ 60 % EN 60974 (40°C)	180 A
X% @ I <sub>max</sub> EN 60974 (40°C)	270 A @ 20 %
Dimensions L x l x H	38 x 52 x 64 cm
Weight	37 kg
Included	Ø 37/19 mm 0,8/1 mm



# MIG/MAG

Accessories



## 1 Torches - Brenner

Material	Type	I max	X % (40°C ArCO <sub>2</sub> )	Grip	L	3	Ref.	4 Contact tubes - Tubes contact - Kontaktrohre (x 10)							
								Ø 0,6	Ø 0,8	Ø 1,0	Ø 1,2	Ø 1,4	Ø 1,6		
Steel Acier Stahl	AIR	150 A	150 A (60%)	-	3 m	A	M6	Ø 0,8	041424	041905	041912	041929	-	-	-
		150 A	150 A (60%)	•	3 m	A	M6	Ø 0,8	043268	041905	041912	041929	040144	-	-
		250 A	200 A (60%)	•	3 m	B	M6	Ø 1,0	040700	041905	041950	041967	041974	-	-
					4 m	040922	-	-	-	-	-	-	-	-	
Stainless Inox Edelstahl	LIQUID	350 A	290 A (60%)	•	3 m	D	M8	Ø 1,2	040687	-	041790	419803	419810	419827	419834
					4 m	040946	-	-	-	-	-	-	-	-	
Aluminium	AIR	150 A	150 A (60%)	-	3 m	A	M6	Ø 0,8	041462	-	041059	-	-	-	-
					4 m	040724	-	-	041066	041073	-	-			
		250 A	200 A (60%)	•	3 m	B	M6	Ø 1,0	040939	-	-	041066	041073	-	-
					4 m	040731	-	-	0419766	419773	-	041080			
	350 A	290 A (60%)	•	3 m	D	M8	Ø 1,2	040953	-	-	419766	419773	-	041080	
				4 m	040748	-	-	041066	041073	-	-				
	LIQUID	300 A	270 A (100%)	•	3 m	C	M6	Ø 1,2	043275	-	041950	041974	041974	-	-
					4 m	041004	-	041790	419803	419810	419827	419834			
500 A		380 A (100%)	•	4 m	E	M8	Ø 1,2	041097	-	-	419766	419773	-	041080	
				4 m	043282	-	-	419766	419773	-	041080				

## 2 Sheaths - Gainses - Mantel

Material	L	Ø 0,6 & 0,8	Ø 1,0 & 1,2	Ø 1,2 & 1,6
Steel - Acier - Stahl	3 m	041592	041608	418417
	4 m	041837	041844	418424
Téflon :				
Stainless - Inox - Edelstahl	3 m	041578 (0,8)	041585	-
Aluminium	4 m	044050	044067 (1,0)	044074



## 3 Contact tip supports & diffusers - Supports tube contact et diffuseurs

Part	Current	Quantity	Ref.	Quantity	Ref.
A	150A	x 5	042902	x 10	042988
B	250A	x 5	042919	x 5	042995
C	300A	x 5	043541	x 3	043589
D	350A	x 5	042926	x 3	043008
E	350A	x 5	042940	x 3	043022

## 5 Gas nozzles - Buses - Düsen

Type	Conical nozzle - Buse conique - Konische Düse					
	150A	250A	350A	450A	300A Liquid	350A Liquid
STANDARD	041875	041882	041783	041981	043534	042315
SPECIAL	041851	Buse de pointage - Spot welding nozzle - Punktdüse				
	041523	Nail welding nozzle - Buse soude clou - Nagelschweißdüse				
	041868	SPECIAL NO GAS isolated nozzle				

## Boxes - Coffrets - Kästen

Box Model	Quantity	Ref.
MB 15 (150 A)	x 3	041226
MB 25 (250 A)	x 5	041233
	x 3	041233
MB 36 (350 A)	x 2	041417
	x 3	041417

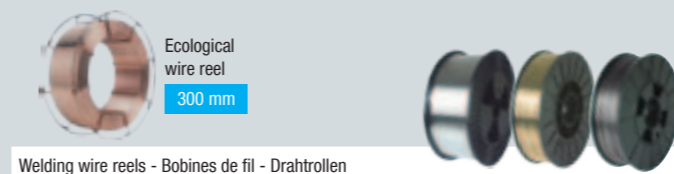
Rollers - Galets - Vorshubrollen		Ø 30 / 9 mm		Ø 37 / 9 mm		Ø 37 / 19 mm	
Steel, Acier, Stahl	Ø 0,6/0,8	042339	x 1	042087	x 1	042353	x 2
	Ø 0,8/1,0	041189	x 1	042100	x 1	042360	x 2
Stainless steel, Inox, Edelstahl	Ø 1,0/1,2	-	-	042179	x 1	-	042117
	Ø 1,2/1,6	-	-	-	-	042384	x 2
Aluminium	Ø 0,8/1,0	041196	x 1	042155	x 1	042377	x 2
	Ø 1,0/1,2	-	-	042186	x 1	040915	x 2
	Ø 1,2/1,6	-	-	-	-	042391	x 2
No Gas	Ø 0,9/1,2	042346	x 1	042131	x 1	042407	x 2

No Gas kit Ø 0,9 mm	
041240	
x 3	M6 - Ø 0,9 mm
	Isolated Nozzle 150 A
Ø 30/9 mm	Ø 0,9/1,2

Welding curtain and frame  
200 x 200 cm  
EN 1598  
060227



Accessories



## Welding wire reels - Bobines de fil - Drahtrollen

Material	kg	Ø	Ø 0,6 mm	Ø 0,8 mm	Ø 1,0 mm	Ø 1,2 mm
SG <sub>2</sub>	0,9	100 mm	086593	086609	-	-
	5	200 mm	086111	086128	086135	-
	15	300 mm	086166	086227	086234	086241
	18	300 mm	-	086272	086289	086296
G <sub>2</sub> Ti	5	200 mm	089760	086777	-	-
AlMg <sub>5</sub>	0,5	100 mm	-	086548	-	-
	2	200 mm	-	086555	086562	-
AlSi <sub>5</sub>	0,5	100 mm	-	086685	-	-
	2	200 mm	-	-	086142	086159
AlSi <sub>12</sub>	0,5	100 mm	-	086678	-	-
	2	200 mm	-	-	086067	086074
308LSi	1	100 mm	-	086616	-	-
	5	200 mm	-	086579	-	-
316LSi	5	200 mm	-	086326	-	-
	1	100 mm	-	086692	-	-
CuSi <sub>3</sub>	5	200 mm	-	086647	086654	-
	5	200 mm	-	086661	-	-

## Cored wire - Fil fourré - Fülldraht

Material	kg	Ø	Ø 0,9 mm	Ø 0,9 mm
NO GAS	4,5	200 mm	-	(Ø 0,9 mm) 086623
	0,9	100 mm	-	(Ø 0,9 mm) 086104

## Head protection

	Fireproof protection hood Cagoule textile Textil- Schweisserschutzhautbe	045224
	x 20 FFP1 EN 149-2001	043916
	x 5 FFP2D-OV M / L EN 149-2001	043923

## Leather gloves

	Heavy duty T 10 MMA, TIG, Plasma	045101
	Precision T 10 TIG	045194
	Precision T 10 PRO TIG Extra	045323

## Body protection

	045200
	045217
	045231

## Fume extraction torch



## Fume extraction system

automatic	043237
manual	043244

- 230V
- 1100 W
- 190 mbar max
- 200 m³/h max
- 26 kg
- 390 x 210 x 500 cm
- 71 db

Filter auto cleaning system  
Système de nettoyage automatique du filtre  
Automatische Filterabreinigung

## Special welding magnets - Positionneurs magnétiques - Schweissmagnet

	044203
	044302
	044197

## PRO MIG PLIER



## Heat covers

	550°C / 1000°F 2 x 2 m	050495
	1200°C / 2200°F 1,75 x 1,50 m / 1200 g/m²	050204
	1300°C / 2400°F 1,75 x 1,50 m / 600 g/m²	053595

## Magnets



NEW RANGE

# Helmets

GR GRIND



FLIP FLAP  
042513



LCD TECHNO 11  
042537



LCD MASTER 11  
043442



LCD EXPERT 11  
040755

Options

Carry bag for helmet welding

043299

2 antiperspirant headbands

043466



LCD TECHNO 9/13  
042544



LCD MASTER 9/13 G  
040861



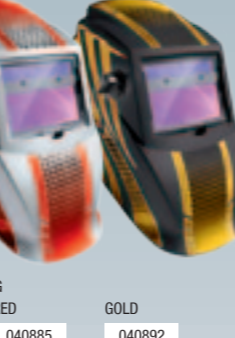
LCD EXPERT 9/13 G  
BLUE  
042216



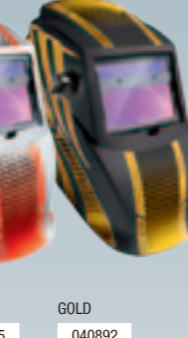
CARBON  
040878



LCD HERMÈS 9/13 G  
SILVER  
040908



RED  
040885



GOLD  
040892



GYSMATIC 9/13  
043909



NEW

LCD SPACEVIEW 5-9/9-13  
040717



AIRMAX TL PREDATOR  
043961



> 2 A



FILTER  
043992

GR

LCD

GR

LCD

GR

LCD

GR

LCD

GR

GR

LCD

GR

GR

LCD

GR

GR

LCD

GR

GR

LCD

GR

GR

LCD

GR

GR

LCD

Delay + Sensivity Adjust

LCD

Product	FLIP FLAP	LCD TECHNO 11	LCD MASTER 11	LCD EXPERT 11	LCD TECHNO 9/13	LCD MASTER 9/13 G	LCD EXPERT 9/13 G	LCD HERMÈS 9/13 G	GYSMATIC 9/13	LCD SPACEVIEW 5-9/9-13	AIRMAX TL PREDATOR
Reference	042513	042537	043442	040755	042544	040861	042216, 040878	040908, 040885, 040892	043909	040717	043961
Shade	0 / 11	3-11	3-11	3-11	4 / 9-13	4 / 9-13	4 / 9-13	4 / 9-13	4 / 9-13	5-9 / 9-13	4 / 9-13
Speed	-	0,6 ms	0,5 ms	0,5 ms	0,3 ms	0,1 ms	0,1 ms	0,1 ms	0,08 ms	0,4 ms	0,3 ms
Window size	97 x 80 mm	98 x 35 mm	100 x 49 mm	100 x 49 mm	92 x 42 mm	92 x 42 mm	98 x 43 mm	98 x 43 mm	100 x 60 mm	100 x 93 mm	98 x 40 mm
Sensors	-	2	2	2	2	2	2	2	4	4	3
Classification	-	1 / 1 / 2 / 2	1 / 1 / 1 / 3	1 / 1 / 1 / 3	1 / 1 / 1 / 2	1 / 3 / 1 / 2	1 / 1 / 1 / 2	1 / 1 / 1 / 2	1 / 1 / 1 / 2	-	1 / 3 / 1 / 3
Energy	-	Solar	Solar	Solar	Solar	Solar	Solar + 2 x 3 V	Solar + 2 x 3 V	Solar + 2 x 3 V	Solar + 2 x 3 V	Solar + 2 x 3 V
Exterior glass	110 x 90 mm	110 x 90 mm	110 x 90 mm	119 x 98 mm	110 x 90 mm	116 x 89,5 mm	111,2 x 91 mm	111,2 x 91 mm	114 x 133 mm	114 x 133 mm	110 x 97 mm
Reference	040816	040816	040816	040823	040816	040779	040793	040793	043893	043893	043978
Interior glass	110 x 90 mm	102 x 40 mm	104 x 40 mm	104 x 55 mm	95,5 x 50,5 mm	103,5 x 53	103,6 x 54	103,6 x 54	106 x 66 mm	104 x 96 mm	107 x 52 mm
Reference	040762	040830	040847	040847	040854	040786	040809	040809	043886	043596	043985
Weight	425 g	400 g	430 g	470 g	440 g	450 g	460 g	460 g	450 g	530 g	400 g

# Accessories

Remote controls

Foot remote control  
4 m / 3 kg

045682

Hand remote control  
8 m / 1 kg

045699

DIN Connector  
7 points - male

045675

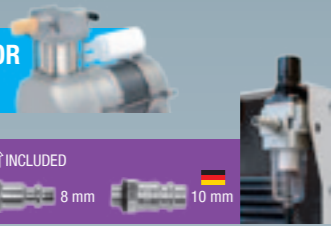
Pressure regulator - Manomètres débitmètres - Druckminderer

For disposable gas bottle Pour bouteille de gaz jetable Für einweg Gasflaschen	12 L/min	30 L/min	OPTIMA PRO 30 L/min	Quick gas connectors Ø 5 mm
041639	041820			045705
Ar+CO <sub>2</sub> 2,2 L (220 L) Disposable gas bottle Bouteille de gaz jetable Einweg Gasflaschen	20 L/min			Gas connectors Raccords gaz
043671				x 2
		FR : 041622	FR : 043619	
		DE : 041219	DE : 043633	
		EN : 041646	EN : 043626	
		NL : 040267	NL : 043640	
				045712

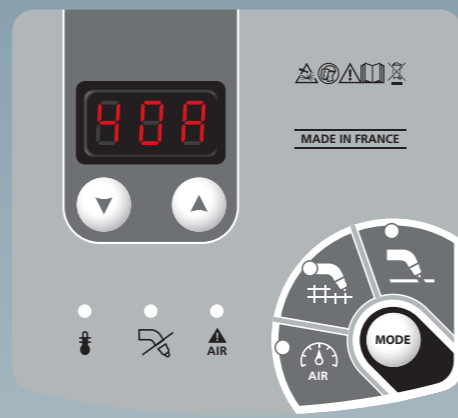
LIGHT MIG TROLLEY		WATER COOLING MIG TROLLEY		WATER COOLING UNIT		WS BOARD	
22,5 kg	PULSEMIG 270 ✓	1300 W 400 V 5,5 L	 Max 10 m³ (50 L)	400 W 1,25 L 8,6 kg	TIG 250 DC HF ✓ TIG 200 AC/DC ✓	8 kg	WS-4R ✓ WS-4L ✓
	033931						040977
<b>WELD 600</b>		<b>LIQUID COOLING</b>		<b>LIQUID COOLING</b>		<b>WELD 600 PLASMA</b>	
15 kg	TIG 160 DC Lift ✓ TIG 160 DC HF ✓ TIG 200 DC HF ✓ TIG 200 AC/DC ✓ TIG 200 L AC/DC ✓	PULSEMIG 270 ✓	TIG 250 DC HF ✓			15 kg	PLASMA CUTTER 25 K ✓ PLASMA CUTTER 35 KF ✓ PLASMA CUTTER 30 FV ✓ PLASMA CUTTER 40 FV ✓
	020344	033894	041271				040298
<b>NEW</b>		<b>LIQUID COOLING</b>		<b>LIQUID COOLING</b>		<b>NEW</b>	
Max 4 m³ (20 L)				CORAGARD CS 330 10 L Cooling liquid Liquide de refroidissement Wasserkühlung			040298
040281				052246			
<b>TIG 4 m³</b>		<b>TIG 10 m³</b>		<b>10M XL</b>		<b>PLASMA TROLLEY</b>	
15 kg	TIG 160 DC Lift ✓ TIG 160 DC HF ✓ TIG 200 DC HF ✓	22,5 kg	TIG 160 DC HF ✓ TIG 200 DC HF ✓ TIG 200 AC/DC ✓ TIG 200 L AC/DC ✓	26 kg	TIG 160 DC HF ✓ TIG 200 DC HF ✓ TIG 250 DC HF ✓ TIG 200 AC/DC ✓ TIG 200 L AC/DC ✓ GOLD 190-2 ✓ GOLD 190-4 XL ✓	18,5 kg	PLASMA CUTTER 25 K ✓ PLASMA CUTTER 35 KF ✓ PLASMA CUTTER 30 FV ✓ PLASMA CUTTER 40 FV ✓
	015678		041288		041257		040120

# 1φ Plasma

**Ki** KOMPRESSOR INSIDE



**AF** AIR FILTER INCLUDED  
8 mm 10 mm



PATENTS REGISTERED IN FRANCE  
EUROPEAN TRADEMARK & DESIGN

# 3φ Plasma

Air control : Manual / Auto



Choose mode :

- Découpage / Grillage / Gougeage / Mode verrouillé

- Cutting / Metal mesh / Gouging / Locked mode

- Schneidein / Gitterschneiden / Plasmajugen / Gesperrter modus

**CONSTANT PRESSURE CONTROL**  
CONSUMABLES LONG LIFE  
HIGH QUALITY CUTTING



**GRID CUTTING**



Option : Z Auto NO HF 15,2 m (no consumable)

040014



Z Torch NO HF 6 m

040137

**NEW**



Consumables

x 4	x 10	x 2	x 10	
25 K	040182	040151		
30 FV	040236		040175	040168
35 KF	040229	040212		
40 FV	040236			

**NO HF START** **PROTECT 400** **Ki**

**NO HF START** **PROTECT 400** **Ki**

**NO HF START** **PROTECT 400** **PFC**

**NO HF START** **PROTECT 400** **PFC**

**OPTION GOUGING** (with consumables) / GOUGEAGE / PLASMAFUGEN

**AF** AIR FILTER INCLUDED  
8 mm 10 mm

**NO HF START** **AF** **AD** **GRID CUTTING**

Product	PLASMA CUTTER 25 K	PLASMA CUTTER 35 KF	PLASMA CUTTER 30 FV	PLASMA CUTTER 40 FV
Reference	031029	031142	031975	031135
50/60 Hz - Fuse $\overline{AM}$	230 V - 16 A	230 V - 16 A	110 V - 32 A 230 V - 16 A	110 V - 32 A 230 V - 16 A
<b>A</b> I <sub>2</sub> PLASMA	5 < 25 A	10 < 35 A	5 < 30 A	10 < 30 A 10 < 40 A
Thickness max	Steel : 6 mm / Alu : 4 mm	Steel : 12 mm / Alu : 8 mm	Steel : 10 mm / Alu : 8 mm	Steel : 15 mm / Alu : 10 mm
Clean cut	Steel : 4 mm / Alu : 3 mm	Steel : 8 mm / Alu : 6 mm	Steel : 7 mm / Alu : 5 mm	Steel : 10 mm / Alu : 8 mm
Pressure	-	-	2,5 < 6 bar	2,5 < 6 bar
Flow	-	-	115 L/min	115 L/min
I <sub>a</sub> @ 60 % EN 60974 (40°C)	12 A	28 A	19 A 22 A	25 A 32 A
X% @ I <sub>max</sub> EN 60974 (40°C)	26 %	30 %	25 % 32 %	40 % 40 %
Dimensions L x l x H (product / box)	22 x 45 x 31 / 50 x 29,5 x 43 cm	52,5 x 29 x 47 / 60 x 31 x 52,5 cm	19 x 44 x 28 / 50 x 27 x 31,5 cm	51 x 21 x 37 / 59 x 33 x 42,5 cm
Weight	17,2 kg	30 kg	12 kg	20 kg
Power generator (+/-15%)	4,1 kW / 5,9 kVA	8 kW / 10 kVA	6 kW / 7,5 kVA	8 kW / 10 kVA
Included	4 m +  2 m 10 mm <sup>2</sup>	4 m +  2 m 10 mm <sup>2</sup>	4 m +  2 m 10 mm <sup>2</sup>	4 m +  2 m 10 mm <sup>2</sup>

Options

Z Torch NO HF 15,2 m (no consumable) 039995	Z Auto NO HF 15,2 m Automatised torch Automatic detection (no consumable) 040014	+ Kit CNC (Computer Numerical Control) 039988
---	--	---

Consumables

x 1	x 1	x 5	x 1	x 5	x 1	
Z Torch	040113	040038	040083	040076	040069	
	<b>GOUGING 040052</b>	<b>GOUGING 040045</b>				
Z Auto	040021	040038	<b>GOUGING 040045</b>			

Product	PLASMA CUTTER 85 TRI
Reference	031074
50/60 Hz - Fuse $\overline{AM}$	400 V - 32 A
<b>A</b> I <sub>2</sub> PLASMA	25 < 85 A
Thickness max	Steel : 40 mm / Alu : 40 mm
Clean cut	Steel : 30 mm / Alu : 30 mm
Pressure	5 < 9 bar
Flow	270 L/min
I <sub>a</sub> @ 60 % EN 60974 (40°C)	85 A
X% @ I <sub>max</sub> EN 60974 (40°C)	60 %
Dimensions L x l x H (product / box)	30 x 62 x 44 / 67,5 x 35,5 x 60 cm
Weight	32 kg
Power generator (+/-15%)	20 kW / 25 kVA
Included	6 m +  4 m 10 mm <sup>2</sup>

# Carbody

## TECHNICAL IMPROVEMENTS

EVOLUTION TECHNOLOGIQUE • TECHNISCHE ENTWICKLUNG  
2004 > 2014

### Evolution factors :

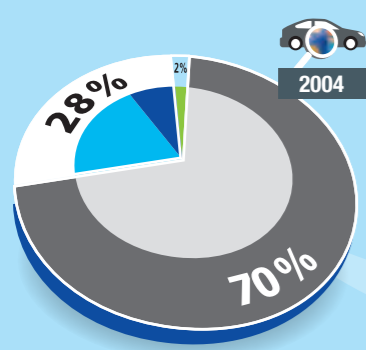
- CO<sub>2</sub> Challenge = low weight
- Crash test = ★★★★★
- Anti-corrosion = new coatings
- Improved aesthetics and demand for better occupant visibility.

### Facteurs d'évolution :

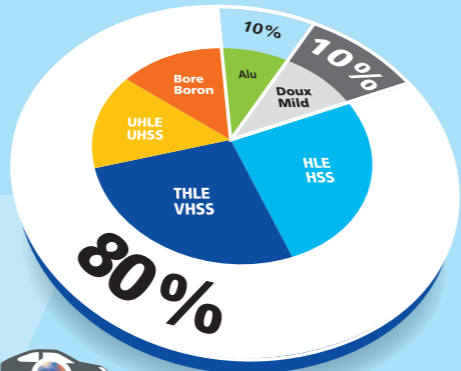
- Challenge CO<sub>2</sub> = faible poids
- Crash test = ★★★★★
- Anti-corrosion = nouveaux revêtements
- Esthétique et visibilité plus sophistiquées.

### Mehr Vorteile durch :

- CO<sub>2</sub> Challenge = geringes Gewicht
- Crash-Test = ★★★★★
- Anti-Korrosion = neue Beschichtung
- Modernes Technik-Design.

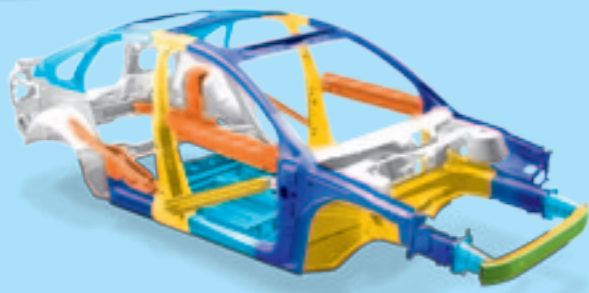


**2004 OLD SOLUTIONS**  
Traditional machines  
180 daN max  
6500 A max  
X clamps  
Ø 4 mm max



**2014 IMS SOLUTIONS**  
INVERTER Technology  
550 daN max  
14500 A max  
X & C clamps  
Liquid cooled system  
Ø 10 mm

- New generation carbody
- Mild - Doux
  - HSS - HLE
  - VHSS - THLE
  - UHSS - UHLE
  - Bore - Boron
  - Aluminium



# 3φ Synergic



Auto adaptative wire speed  
Réglage automatique de la vitesse  
Automatische Einstellung der Drahtgeschwindigkeit

Motorized TORCH  
**SPOOLGUN**  
041486  
Ø 100 mm  
Ideal for AlSi<sub>12</sub> & AlSi<sub>10</sub> ✓

100 % READY  
AUTOMATIC  
TORCH DETECTION

Max 2 x 4m<sup>3</sup>  
(2 x 20 L)



ACCESSORIES BOX  
ALL MIG



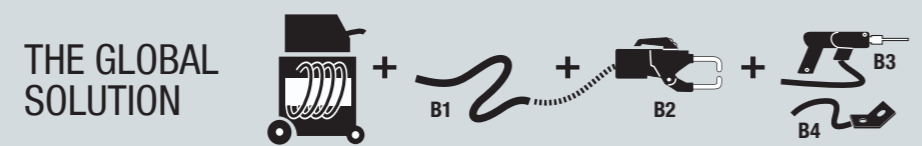
HEALTH PROTECT, IMS :  
1 - Unique IMS technology provides protection against the danger of electromagnetic fields.  
2 - No danger of radiation exposure to the operator.  
3 - No restriction for the operator.  
4 - Clamp is fully manoeuvrable.

## HP HEALTH PROTECT TECHNOLOGY

UNIQUE ELECTRO-MAGNETIC FIELD PROTECTION by IMS

2004-40-CE

HEALTH PROTECT, IMS :  
1 - Apporte une solution originale et unique à la problématique du champ électro-magnétique.  
2 - Résout complètement l'exposition d'un carrossier aux risques des champs magnétiques.  
3 - Permet à chaque utilisateur de pratiquer son métier sans contrainte.  
4 - Garantit une maniabilité optimale de la pince.



HEALTH PROTECT, IMS :  
1 - Einzigartige, innovative Lösung für die Elektromagnetfeld-Problematik.  
2 - Bietet optimalen Anwenderschutz ohne das Risiko elektromagnetischer Strahlung.  
3 - Beibehaltung der ergonomischen Voraussetzungen.  
4 - Sorgt für optimale Arbeitsbedingungen ohne Einschränkung der Zangendrehung.

HEALTH PROTECT is a proprietary IMS technology that minimises, electromagnetic fields created by the machine.

Compliant : Directive 2004-40-CE  
Certified by : Laboratory **EMITECH**

Other technologies		IMS HEALTH PROTECT TECHNOLOGY	
B1	10 < 25 cm (Norm : 3 cm max)	B1	0 cm (Norm : 3 cm max)
B2	25 < 35 cm (Norm : 30 cm max)	B2	5 cm (Norm : 30 cm max) / 4 cm (Norm : 30 cm max)
B3	35 cm (Norm : 20 cm max)	B3	0 cm (Norm : 20 cm max)
B4	35 cm (Norm : 20 cm max)	B4	0 cm (Norm : 20 cm max)

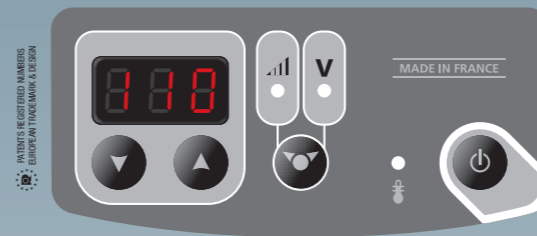
HEALTH PROTECT : Radiation below the level authorized by the 2004-40-EC standards  
• 4 cm from the clamp  
• 0 cm from the clamp power cables, the gun and the earth.

HEALTH PROTECT : Rayonnement en dessous du niveau autorisé par la directive 2004-40-CE  
• à 4 cm de la pince  
• à 0 cm des câbles de puissance de la pince, du pistolet de la masse.

HEALTH PROTECT : Unterschreitung der zugelassenen Elektromagnetfeld-Strahlungswerte gemäß Richtlinie 2004-40-EG  
• bis 4 cm an der Zange  
• bis 0 cm an Leistungskabel, Pistole und Massekabel.

Product	NEW		
	MIG CARPRO 1	MIG CARPRO 3	MIG CARPRO 3 DV
Reference	031050	031814	033979
50/60 Hz - Fuse	230 V - 1 φ - 16 A	400 V - 3 φ - 10 A	230 V - 3 φ - 10 A / 400 V - 3 φ - 10 A
A I <sub>2</sub> MIG/MAG	20 < 140 A	15 < 200 A	15 < 200 A
Ø spool	200 < 300 mm	200 < 300 mm	200 < 300 mm
Electronic control	4 rollers	4 rollers	4 rollers
Ø wire	0,6 < 1 mm	0,6 < 1 mm	0,6 < 1 mm
I <sub>A</sub> @ 60 % EN 60974 (40°C)	90 A	110 A	110 A
X <sub>max</sub> @ I <sub>max</sub> EN 60974 (40°C)	140 A @ 15 %	150 A @ 25 %	150 A @ 25 %
Settings	6	7	7
Dimensions L x l x H	47 x 77 x 79 cm	60 x 90 x 90 cm	60 x 90 x 90 cm
Weight	55 kg	72 kg	72 kg
Included	3 m 150 A + Ø 37/9 mm 0,6/0,8 mm + A 3 m 16 mm <sup>2</sup>	2 x 3 m 150 A + Ø 37/9 mm 0,6/0,8 mm + A 3 m 16 mm <sup>2</sup> + Ø 37/9 mm 0,8/1 mm + 4 m Ø 100 mm	2 x 3 m 150 A + Ø 37/9 mm 0,6/0,8 mm + A 3 m 16 mm <sup>2</sup> + Ø 37/9 mm 0,8/1 mm + 4 m Ø 100 mm

# Steel



# Alu & steel



1 AUTOMATIC



2 AUTOMATIC  
052512



3 MANUAL  
052505

2 AUTOMATIC  
052512

Options		Options	
<p><b>SPOT 600</b></p> <p>for SPOT 2600 - 230 V SPOT 3900 - 230 V SPOT 3900 - 400 V</p> <p>053533</p>	<p><b>SPOT 1000</b></p> <p>for SPOT 2600 - 230 V SPOT 3900 - 230 V SPOT 3900 - 400 V</p> <p>053540</p>	<p><b>SPOT PRO</b></p> <p>for SPOT 2600 - 230 V SPOT 3900 - 230 V SPOT 3900 - 400 V SPOT PRO 400 V SPOT ALU FV</p> <p>034211</p>	<p><b>SPOT PRO XL</b></p> <p>for SPOT 2600 - 230 V SPOT 3900 - 230 V SPOT 3900 - 400 V SPOT PRO 400 V SPOT ALU FV COMBISPOT 230 V</p> <p>034259</p>



FLEXIBLE VOLTAGE

4 AUTOMATIC



4 AUTOMATIC

2 AUTOMATIC  
052505

3 MANUAL  
052512

FV

Product	SPOT 2600 - 230 V	SPOT 3900 - 230 V	SPOT 3900 - 400 V	SPOT PRO 400 V
Reference	021105	019355	019362	021754
50/60 Hz - Fuse $\overline{[AM]}$	230 V - 16 A	230 V - 16 A	400 V - 2 $\phi$ - 16 A	400 V - 2 $\phi$ - 16 A
<b>A</b> I <sub>2</sub> max	2600 A	3800 A	3800 A	3800 A
<b>T</b> Gun	Automatic	Automatic	Automatic	Manual + Automatic
<b>V</b> U <sub>2</sub>	5,4 V	7,4 V	7,4 V	7,4 V
<b>A</b> I <sub>RMS</sub>	1800 A	2800 A	2800 A	2800 A
Car body parts				
Dimensions L x l x H (product / box)	20 x 32 x 18 / 34 x 22 x 33 cm	22,5 x 36 x 23,5 / 48 x 36 x 28 cm	22,5 x 36 x 23,5 / 48 x 36 x 28 cm	22,5 x 36 x 23,5 / 48 x 36 x 28 cm
Weight	14 kg	23 kg	26 kg	25,5 kg
Included	1,8 m 70 mm <sup>2</sup> + 1,7 m 50 mm <sup>2</sup>	2 m 70 mm <sup>2</sup> + 2 m 70 mm <sup>2</sup>	2 m 70 mm <sup>2</sup> + 2 m 70 mm <sup>2</sup>	2 m 70 mm <sup>2</sup> + 2 m 70 mm <sup>2</sup>

NEW

Product	SPOT ALU FV	COMBISPOT 230 V
Reference	020689	020580
50/60 Hz - Fuse $\overline{[AM]}$	110 V - 5A	230 V - 5 A
<b>A</b> I <sub>2</sub> max	7500 A	Steel : 3800 A / Alu : 7500 A
<b>T</b> Gun	Automatic	Manual + Automatic
<b>V</b> U <sub>2</sub>	50 < 200 V	Steel : 7,4 V / Alu : 50 < 200 V
<b>A</b> I <sub>RMS</sub>	-	Steel : 2800 A
Car body parts		
Dimensions L x l x H (product / box)	22,5 x 36 x 23,5 / 48 x 36 x 28 cm	45 x 43 x 29 / 75 x 52 x 28,5 cm
Weight	14 kg	49,7 kg
Included	3 m 25 mm <sup>2</sup> +	3 m 25 mm <sup>2</sup> +  2 m 70 mm <sup>2</sup> +  2 m 70 mm <sup>2</sup> +  2 m 70 mm <sup>2</sup> +  x2

# Workstations

Dent puller

Dent puller



**1** Included in SPOTLINER 3900

- Levelling bar 050693
- 4 Gripping multihook head 049758
- Spotter box 050075
- Dent box standard 050037

**1 2** Included in SPOTLINER

- Cable support 052284
- Spot PRO 48 x 68 x 81 cm 034211

**2** Included in SPOTLINER ALU FV

051003 ALU PULLER :

- 050921
- 050938
- 050945
- Alu box standard 050020

**3 4 5** Included in SMARTLINER

- Spot PRO XL 61 x 69 x 189 cm 034259
- Levelling bar 050693
- Spotter box 050075
- Dent box standard 050037
- Manuspot 050679
- Magnetic earth 049666
- 049758
- 049734
- 052451
- Levelling lever 050693
- 3 Lift rods 050792

**5** Included in SMARTLINER COMBI

- Alu puller 050921
- Cable support 052284
- Inertia hammer 380g 051584
- Alu box standard 050020

Product	SPOTLINER 3900 - 230 V	SPOTLINER 3900 - 400 V	SPOTLINER ALU FV
Reference	034914	034921	034952
Metal	Steel	Steel	Aluminium
Generator	SPOT 3900 - 230 V	SPOT 3900 - 400 V	SPOT ALU FV
I <sub>2</sub> max	3800 A	3800 A	7500 A

Product	SMARTLINER 3900 - 230 V	SMARTLINER 3900 - 400 V	SMARTLINER PRO 400 V	SMARTLINER COMBI 230 V
Reference	034938	034945	035713	034969
Metal	Steel	Steel	Steel	Steel Aluminium
Generator	SPOT 3900 - 230 V	SPOT 3900 - 400 V	SPOT PRO 400 V	COMBISPOT 230 V
I <sub>2</sub> max	3800 A	3800 A	3800 A	3800 A 7500 A

# Steel consumables



## DENT BOX SMALL 052277

	20 Stars with copper coating	052239	x 20
	1 Electrode for rings Ø 16, 8 x 16	049574	
	50 Centering rings Ø 8 x 16	049444	x 100
	1 Single hook	051218	
	1 Electrode for magnetic earth	050013	
	1 Flat key n°27	049673	
	1 Earth hook	-	

## DENT BOX STANDARD 050037

	20 Stars with copper coating	052239	x 20
	1 Electrode for rings	050655	
	50 Straight pulling rings	050648	x 100
	25 Twisted pulling rings	050631	x 50
	1 Lifting rod	050792	x 3
	1 Electrode for wavy wires	049789	
	25 Wavy wires	049727	x 50
	1 Electrode for magnetic earth	050013	
	1 Carbon heating electrode	049468	x 5

## DENT BOX EASY 053632

	10 Stars with copper coating	052239	x 20
	1 Star-Chuck for inertia hammer	049482	
	1 Electrode for rings Ø 16, 8 x 16	049574	
	50 Centering rings Ø 8 x 16	049444	x 100
	1 Electrode warming point Ø 16	049567	
	1 Carbon heating electrode	049468	x 5
	1 Flat key n°27	049673	
	1 Earth hook	-	
	1 Electrode for wavy wires	049789	
	50 Straight pulling rings	050648	x 100
	1 Electrode for rings	050655	
	25 Wavy wires	049727	x 50
	1 Lifting rod	050792	x 3

## DENT BOX CONSUMABLES 051515

	20 Stars with copper coating	052239	x 20
	50 Straight pulling rings	050648	x 100
	25 Twisted pulling rings	050631	x 50
	25 Wavy wires	049727	x 50

## SPOTTER BOX 050075

	20 Stars with copper coating	052239	x 20
	1 Star-Chuck for inertia hammer	049482	
	1 Electrode for rings Ø 16, 8 x 16	049574	
	50 Centering rings Ø 8 x 16	049444	x 100
	1 Electrode warming point Ø 16	049567	
	1 Carbon heating electrode	049468	x 5
	1 Flat key n°27	049673	
	1 Earth hook	-	
	1 Electrode for auto-threaded rivets Ø 5 - M5, M6	049598	
	50 Threaded studs M4 x 16	049383	x 100
	50 Threaded studs Ø 5 x 12	049413	x 100
	50 Threaded studs Ø 5 x 18	049420	x 100
	1 Electrode for rivets Ø 16, 3 x 4,5	049604	
	100 Rivets Ø 3 x 3,25	049345	x 100
	100 Rivets Ø 3 x 4,5	049352	x 100

	100 Square lock nuts - M8	050303	
	Magnetic positioner	049772	
	Electrode wheel Ø 16	050310	
	Monopoint electrode for the Gun + 1 Cap TYPE F	049291	
	Earth plate	052529	
	6 Round caps TYPE F	049970	
	Magnetic earth	049666	

# Alu consumables & accessories



## ALU BOX STANDARD Ø 4 050020

	200 Alu Magnesium 12 mm - Ø 4 - M4	050273	x 200
		050129	x 1000
	200 Alu Silicium 12 mm - Ø 4 - M4	050280	x 200
		050136	x 1000
	5 Screwable rings	050297	x 5
	1 Lifting rod	050792	x 3

## ALU BOX LIGHT Ø 4 051522

	200 Alu Magnesium 12 mm - Ø 4 - M4	050273	x 200
		050129	x 1000
	200 Alu Silicium 12 mm - Ø 4 - M4	050280	x 200
		050136	x 1000

## ALU BOX Ø 5 & 6 048195

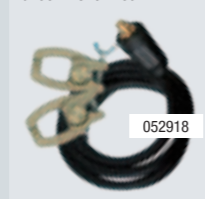
	Mandrel for Alu gun	Ø 5 / M5	048157	Ø 6 / M6	048164
	100 Alu Magnesium 12 mm	048140	x 100	048133	x 100
	100 Alu Silicium 12 mm	048126	x 100	048003	x 100
	5 Screwable rings	052635	x 5	052628	x 5

	Tension mandrel for M4	050327
	Mandrels for Alu gun Ø 4	049000 x 2

## ALU HAMMERS 020986



Double earth clamp for COMBISPOT 230 V



## LIQUID GAS BLOW-TORCH 052741



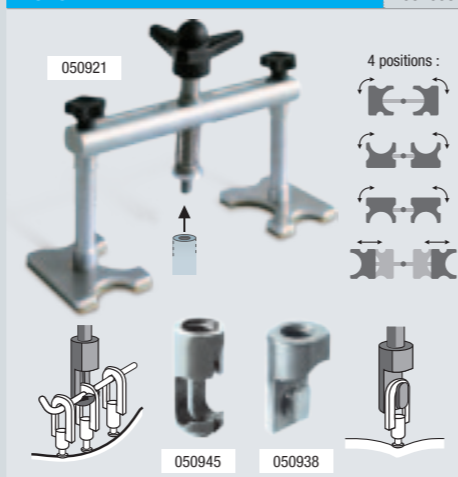
Thermal marking pencil



Infrared thermometer



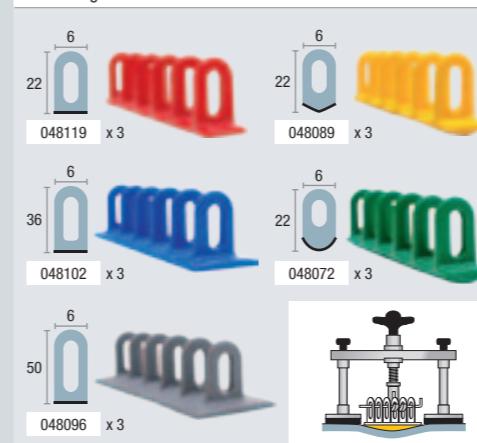
## ALU PULLER 051003



## GLUE PULLER Steel/Acier/Stahl & Alu 050990



## Plastic rings for bars



## Set of 6 pencil punches 052888



## HAMMER 050051



## PNEUMATIC INERTIA HAMMER 051904



## AIR CUSHION KIT 051942



## MAGNETIC KIT 053168



## NO PAINT DENT PULLING KIT 051959



## DENT REPAIR LAMP 053175



# Pulling tools / Hand tools

## Inertia hammers

049802 32 cm / 1,1 kg      049482      052239 x 20

041813 47 cm / 1,1 kg      041561 x 100  
 Ø 2      049277  
 Ø 2, M4

051201 51 cm / 1,7 kg      051218      049444 x 100  
 049574      Ø 16, 8x16

## COMPLETE KIT 051225

049819 50 cm / 2,5 kg      049758      Dent box standard 050037

## INERTIA HAMMER KIT 051928

6 kg

## RINGMATIC 052154

+ x 50 050648

## Double pad support 050723 + 55 mm

052451

## LEVELLING LEVER 050686

PATENTS REGISTERED NUMBERS 001652108-0002 EUROPEAN TRADEMARK & DESIGN

## LEVELLING BAR & LEVER 053564

0,87 m

## LEVELLING BAR 050693

0,85 m

PATENTS REGISTERED NUMBERS 001652108-0001 EUROPEAN TRADEMARK & DESIGN

## LIFTING BAR 050716

0,85 m

Strengthened bar 0,85 m 051164

## Gripping hook heads & Traction bars

4 hooks 049758

6 hooks 049734

8 hooks 049741

050945

## 051171 Strengthened bar 1,20 m

## QUICK SPOT AIRGUN 052352

PNEUMATIC

920 g

Air

## Anti-arc clamps 041318

Max 12 V

## STEEL GUN EARTH ADAPTER 051997

35 mm<sup>2</sup>

## MANULINER 050471

4 positions :

PATENTS REGISTERED NUMBERS 001652108-0003 EUROPEAN TRADEMARK & DESIGN

051690      Ø 35 mm<sup>2</sup> 3 m

## MANUSPOT 050679

051584 380 g      051652      051669      051676

x 5 050839      Box 050822      Rings      Wavy wires      Tempering

Included :      Easy Gun 051317

## Single side gun

for dent pullers      for spot welding machines

< Nov. 2011      > Nov. 2011

048959      048942      048171      048188

Microswitch 053267      Nut / Écrou 053199

## AIRGUN ADAPTER 052826

Contact grease 050440

## HINGE MASTER 051102

max 40 mm

## Pushing tool for oval holes

6 mm 20 mm

052437 2,2 kg

## SET OF 6 CLAMPS 050242

1 2 3 4 5 6

## SET OF 16 CLAMPS 050266

x 5      x 3

x 5      x 3

## Hand tools

053328      053281

053342      053311      053298

053335

## HAND TOOLS PACK 051133

051461      051409      051423

051485      051447      052574 8 teeth/inch 8 dents/pouce

051416      051430      051454

## Contour gauge 250 mm 052840

052840

## SET OF 6 LONG NOZZLE CLAMPS 050112

x 6

## Frame supports / Tréteux / Gestelle

052611

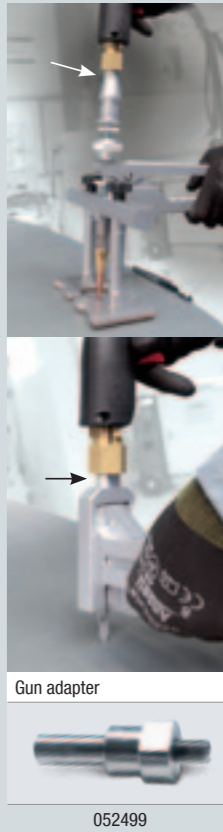
Rotary element support Support élément rotatif Lackierständer für Stoßstange, einstellbar

## 040250      040311      040304

100 cm

## Storage trolley Support de stockage Lagerrollwagen 040243

040243



Gun adapter 052499



# Pulling / Lifting

# Pneumatic tools NEW

**DRAW ALIGNER** 052475

Option :  
Rocker panel arms  
for draw aligner  
052581

052321  
Hydraulic pump  
1,2 t

1,17 m  
41 kg  
0,40 m  
1,13 m

**SPOT LIFT 3T** 053687

85 kg  
1,29 m  
1,05 m  
0,73 m

Foot remote  
300 bar  
053588

max 3 t  
0,70 m  
max

High stability

Option :  
Rocker panel  
lifting tool  
053236

Option :  
Lubrilog oil 1L  
053397

**HEALTH CARE** ✓

**Air jacks**

052550	Car	052567	Van
10-29,5 cm 14 kg		12,5-40 cm 17 kg	

MAX 2 T

**HYDRAULIC POSITIONING JACKS** 053243

18 kg  
max Ø 30,5 cm  
max 680 kg

# Windscreen & bumper repair

**WINDSCREEN JOINT-CUTTING KIT** 051898

**Wires**

Windscreen seal cutting  
wire (square) /  
Corde à piano carré /  
Vierkant-Draht  
50 m  
051881

**HOT STAPLER FOR BUMPER REPAIR** 052925

052963

052949 x 2  
052956 x 10

**STAPLES** 052413

052949 x 2  
052956 x 10

**WINDSHIELD CUTTING TOOL** 051935

Windscreen seal cutting  
wire (twisted) /  
Corde à piano torsadée /  
Piano-Schneiddraht gedreht  
22 m  
051911

**BRAZING AUTOMOTIVE PLASTICS REPAIR KIT** 052932

052963

25 x 12,5 cm  
052949 x 2  
052956 x 10

**DASHBOARD PROTECTORS** 053120

051966

Suction cup  
and strap kit  
051966

**PNEUMATIC SURFACE REMOVER KIT** 051775

Rubber wheel  
115 x 14 mm  
051874

Soft brush  
103 x 23 mm  
052598

Soft brush  
103 x 23 mm  
051812

Stripping wheel  
115 x 14 mm  
051843

Stiff brush  
103 x 23 mm  
051812

Brush adapter  
051812

Speed	Power	Noise	Consumption	Pressure	Size	Weight
4000 rpm	500 W	86 dB	102 L/min	6,2 bar	28 cm	1,2 kg

**AIR BELT SANDER** 052819

330 x 10 mm  
052833  
x 2

Speed	Consumption	Pressure	Size	Weight
16000 rpm	171 L/min	6,3 bar	26 cm	0,9 kg

**AUTOMATIC MANDREL DRILL** 051799

Ø 13 mm

Speed	Power	Consumption
800 rpm	300 W	170 L/min

Noise	Pressure	Size	Weight
92 dB	6,2 bar	18 cm	0,9 kg

**MINI DISC SANDER** 051829

Ø 75 mm

Included  
052468

Speed	Power	Noise	Consumption	Pressure	Size	Weight
18000 rpm	200 W	83 dB	171 L/min	6,2 bar	12 cm	0,7 kg

**PNEUMATIC FLANGE & PUNCHING TOOL** 052543

0,8 < 1,2 mm  
Ø 5 mm

**SAW FOR STRAIGHT CUT AND FILE** 051805

052789 x 5

Speed	Power	Noise	Consumption	Pressure	Size	Weight
5000 rpm	-	85 dB	255 L/min	6,2 bar	10 cm	0,8 kg

**LASER CORD METAL SHEET CUTTER (NIBBLER)** 050099

Necessary for Citroen C4 / VW / BMW ...

050082

**PNEUMATIC OVAL PUNCHING TOOL** 053182

6 mm  
20 mm

**MINI ANGLE GRINDER** 051867

90°  
Ø 50 mm  
052772

Speed	Power	Noise	Consumption	Pressure	Size	Weight
15000 rpm	200 W	86 dB	85 L/min	6,2 bar	18 cm	0,75 kg

**SPOT REMOVER** 050464

Included :  
Tungsten Carbide  
for Boron/UHSS  
Ø 8 + Ø 10 mm

Speed	Power	Noise	Consumption	Pressure	Size	Weight
800 rpm	400 W	85 dB	140 L/min	6,5 bar	35 cm	2,3 kg

**DRILL BIT GRINDER** 052147

Steel ✓  
VHSS ✓

Tungsten Carbide  
for Boron/UHSS Ø 8  
Tungsten Carbide  
for Boron/UHSS Ø 10

053069  
053076

**MINI ANGLE MILLING MACHINE** 051836

90°

Speed	Power	Noise	Consumption	Pressure	Size	Weight
18000 rpm	500 W	81 dB	85 L/min	6,2 bar	18 cm	0,7 kg

**PNEUMATIC CRIMPER** 050419

Speed	Power	Noise	Consumption	Pressure	Size	Weight
2100 rpm	2,5 W	80 dB	400 L/min	6 bar	28 cm	2,1 kg

**COMPRESSED AIR POLISHER** 052086

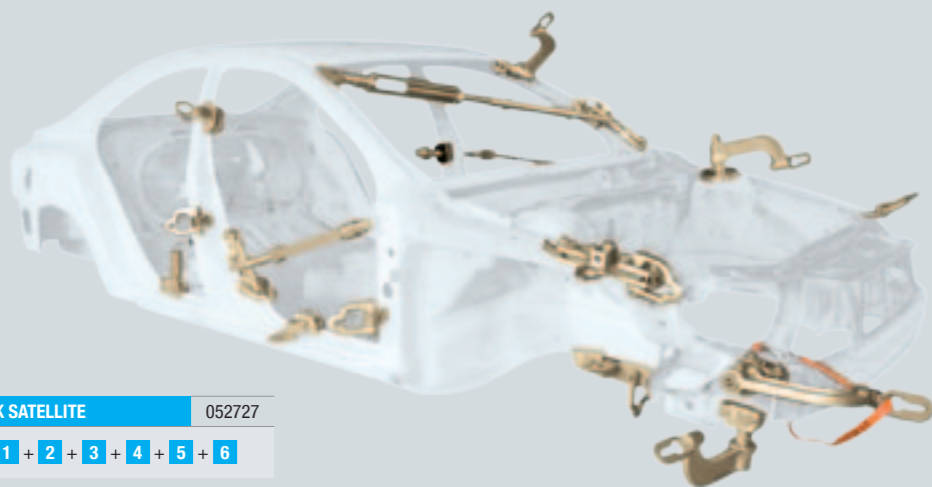
Ø 76 mm  
052062

Options :  
Ø 76 mm

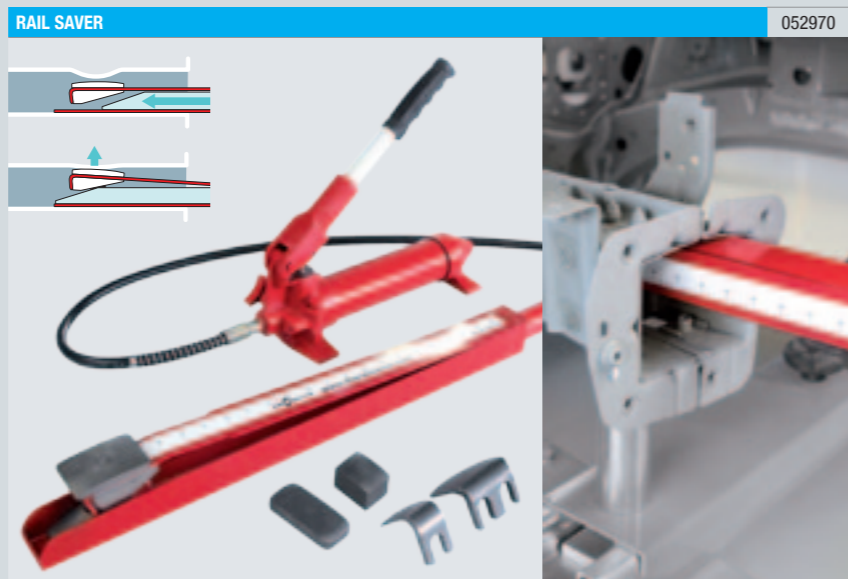
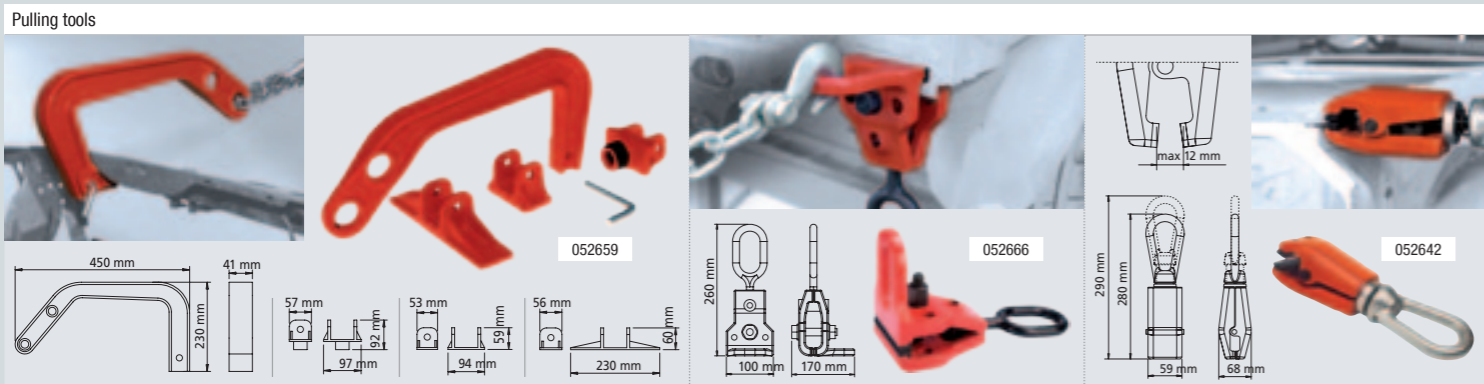
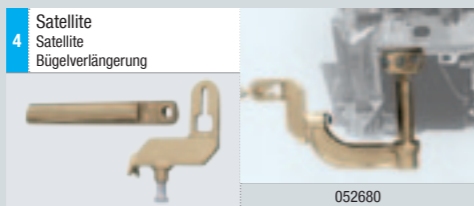
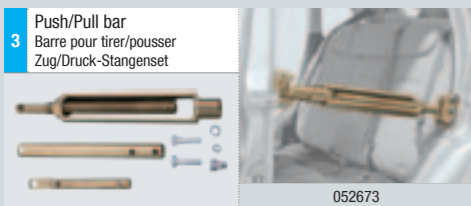
Power	Weight
P 500 x 10	052017 x 50
P 800 x 10	052017 x 50
P 1500 x 10	052017 x 50
P 3000 x 10	052017 x 50

# Frame straightening NEW

Tools



**PACK SATELLITE** 052727  
1 + 2 + 3 + 4 + 5 + 6



For  
Mild steel, HSS, UHSS  
Boron steel (SPOT 10000 C)

# Air cooled

Spotter

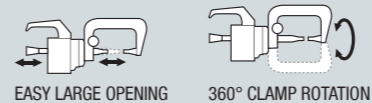
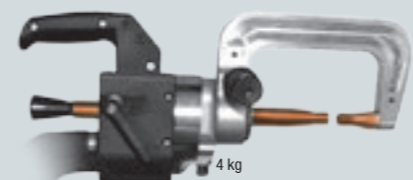
Automatic Mode / Choose thickness



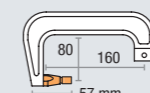
Traditional technology



Inverter technology



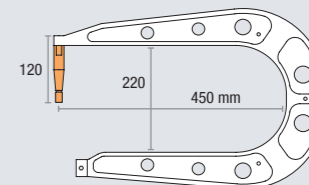
Included



**RC1** 8 bar / 300 daN 051065

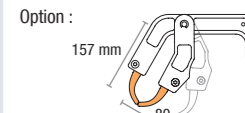


**RC2** 8 bar / 300 daN 051072



**RC3** 8 bar / 300 daN 051089

Monopoint electrode  
+ 1 Cap TYPE F 049291



**RC4** 8 bar / 120 daN 052253

Product	SPOT 7500 C	SPOT 10000 C
Reference	021129	021631
50/60 Hz - Fuse [AM]	400 V - 2 φ - 32 A (D)	400 V - 3 φ - 32 A (D)
A I <sub>RMS</sub>	7500 A	10000 A
A I <sub>max</sub>	10500 A	-
→ F <sub>max</sub>	300 daN	300 daN
Thickness max	🔧 : 3 + 3 mm 🔧 : 1,2 + 3 mm	🔧 : 3 + 3 + 3 mm 🔧 : 1,5 + 3 mm
V U <sub>0</sub>	11 V	16 V
Dimensions L x l x H	55 x 75 x 190 cm	70 x 99 x 208 cm
Weight	100 kg	103 kg
Included	🔧 2,2 m 200 mm <sup>2</sup> + 🔧 2,5 m 150 mm <sup>2</sup> + 🔧 8 m 3x6 mm <sup>2</sup> 🔧 2,5 m 150 mm <sup>2</sup> + 🔧 + 🔧	🔧 2,5 m 200 mm <sup>2</sup> + 🔧 2,5 m 150 mm <sup>2</sup> + 🔧 8 m 4x6 mm <sup>2</sup> 🔧 2,5 m 150 mm <sup>2</sup> + 🔧 + 🔧

# Liquid cooled

# New generation

**HP HEALTH PROTECT TECHNOLOGY**  
2004-40-CE  
UNIQUE ELECTRO-MAGNETIC FIELD PROTECTION by IMS

For  
Mild steel, HSS, UHSS,  
Boron steel



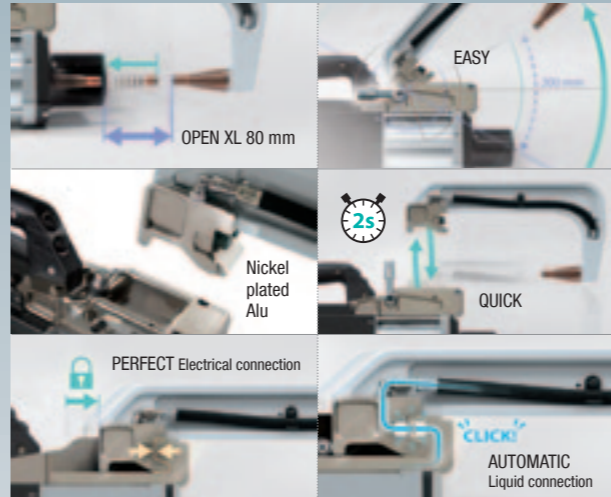
**EDC ENERGY DYNAMIC CONTROL**

### AUTOMATIC MODE

Automatic detection of :  
- Steel types  
- Thickness of metal sheets  
- Adhesives  
- Insulating material between sheets  
Guarantee for a constant quality of the welding spot.

Détection automatique :  
- de la nature des aciers ;  
- de l'épaisseur des tôles ;  
- de la présence de colle ;  
- de la présence de matière isolante entre les tôles.  
Garantie d'une qualité uniforme du point de soudure.

Automatische Erkennung von :  
- Stahlorte  
- Blechstärke  
- Oberflächenanordnungen (Kleber)  
- Stützgrößen  
Die adaptive Regelung der Schweißparameter garantiert gleichbleibende Schweißpunktqualität.



Gyro 360° for HP QC 053274



QC arms - Caps Ø 13 mm



Included  
Monopoint electrode + 1 Cap TYPE F 049291

Option  
SD Card 050914

Compliant : Directive 2004-40-CE  
Certified by : Laboratory EMITECH

Product	SPOT 13000 HP QC
Reference	021846
50/60 Hz - Fuse	400 V - 3 φ - 32 A (D)
A I <sub>RMS</sub>	13000 A
F <sub>max</sub>	550 daN
Thickness max	3 + 3 + 3 mm / 1,5 + 3 mm
V U <sub>0</sub>	16 V
Dimensions L x l x H	65 x 80 x 205 cm
Weight	160 kg
Included	2,5 m 200 mm <sup>2</sup> + 2,5 m 150 mm <sup>2</sup> + 8 m 4x6 mm <sup>2</sup> + C1 arm + QC1 arm + 2,5 m 150 mm <sup>2</sup> + 8 m 4x6 mm <sup>2</sup> + 1 m 200 mm <sup>2</sup>

Spotter

Spotter



Included in HP C/CX  
Monopoint electrode + 1 Cap TYPE F 049291

Options  
SD Card 050914

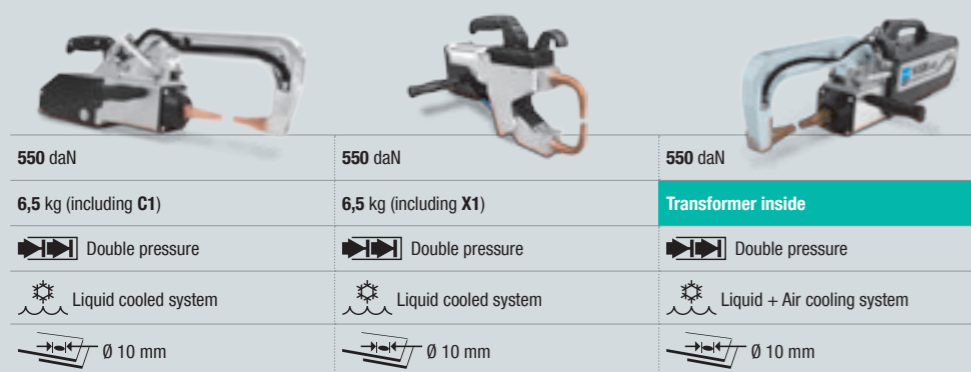
X2 8 bar / 400 daN 050518  
l = 220 mm Caps Ø 13 mm

TRANSFORMER INSIDE

SPOT 14500 TRAF0 6M 021310

Product	SPOT 13000 HP C	SPOT 13000 HP CX	SPOT 14500 TRAF0 4M
Reference	021303	021297	021327
50/60 Hz - Fuse	400 V - 3 φ - 32 A (D)	400 V - 3 φ - 32 A (D)	400 V - 3 φ
A I <sub>RMS</sub>	13000 A	13000 A	11500 A / 14500 A
F <sub>max</sub>	550 daN	550 daN	550 daN
Thickness max	3 + 3 + 3 mm / 1,5 + 3 mm	3 + 3 + 3 mm / 1,5 + 3 mm	3 + 3 + 3 mm / 1,5 + 3 mm
Cooling system	Liquid / Air	Liquid / Air	Liquid / Air
V U <sub>0</sub>	16 V	16 V	8 V
Dimensions L x l x H	65 x 80 x 205 cm	65 x 80 x 205 cm	60 x 80 x 230 cm
Weight	160 kg	180 kg	100 kg
Included	2,5 m 200 mm <sup>2</sup> + 2,5 m 150 mm <sup>2</sup> + 8 m 4x6 mm <sup>2</sup> + C1 arm	2,5 m 200 mm <sup>2</sup> + 2,5 m 150 mm <sup>2</sup> + 8 m 4x6 mm <sup>2</sup> + X1 arm + C1 arm	4 m + 8 m 4x4 mm <sup>2</sup> + C1 arm Option : 2 m 150 mm <sup>2</sup> + 1 m 200 mm <sup>2</sup> 051010

# Clamps



550 daN	550 daN	550 daN
6,5 kg (including C1)	6,5 kg (including X1)	<b>Transformer inside</b>
Double pressure	Double pressure	Double pressure
Liquid cooled system	Liquid cooled system	Liquid + Air cooling system
Ø 10 mm	Ø 10 mm	Ø 10 mm

Remote control

Digital screen control  
Change Mode & Parameters

Clamp control

C arms - Caps Ø 13 mm

**C1** 8 bar / 550 daN 019140  
C1 insulated for Trafo clamp

**C2** 8 bar / 550 daN 019133

**C3** 8 bar / 550 daN 019157

**C4** 8 bar / 550 daN 019164

**C5** 8 bar / 550 daN 019294

**C6** 8 bar / 300 daN 019775

**C7** 4 bar / 150 daN 020009

**C8** 8 bar / 550 daN 020016

**C9** 8 bar / 550 daN 053649

**C10** 4 bar / 150 daN 051638

X arms - Caps Ø 13 mm

**X1** 8 bar / 550 daN  
l = 120 mm  
050501

**X2** 8 bar / 400 daN  
l = 220 mm  
050518

C arms - Caps Ø 13 mm - Electrical insulation

**C1** 8 bar / 550 daN 021402

**C3** 8 bar / 550 daN 021419

**C8** 8 bar / 550 daN 021440

**C4** 8 bar / 550 daN 021426

**C7** 8 bar / 250 daN 021433

**C9** 8 bar / 550 daN 020078

X & C consumables

Type A Ø 13 mm 049987 x 6

Ø 13 mm 049994 x 6

Ø 13 mm 049970 x 6

Contact grease 050440

Caps remover 050846

Caps sharpener 050068

052857

Welding spotter consumables box 050068

GYRO 360°

HP C/CX ✓ 051737

TRAF0 ✓ 051720

Testing tools

Electrode force sensor 052314

Point control tests 050433

Steel sheet traction bench 052420

052321

Arm panels (liquid)

**C2 + C3 + C4** 019126

**C2 + C3 + C5 + C6 + C9** 019126

**C2 + C3 + C4** 021457

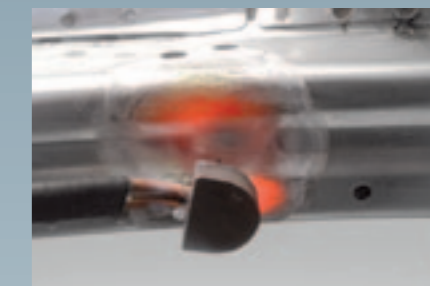
# 3φ Induction



**RELEASING OF STEERING LINKAGE**  
DÉBOCAGE DES BIELLETES DE DIRECTION  
LÖSEN DES LENKGESTÄNGES



**RELEASING OF RUSTED BOLTS**  
DÉGRIPPAGE DE BOULONS  
LÖSEN FESTSITZENDER MUTTERN/BOLZEN



**SIDE MEMBER HEATING** (EXCEPT FOR HSS)  
CHAUFFE DE LONGERONS (HORS ACIER HLE)  
RICHTEN DES LANGTRÄGERS (AUßER HOCHFESTE STÄHLE)



Options for POWERDUCTION 50 L

Complete straight inductor 053441	Straight ferrite 053458	Complete round-end inductor 053427	Round-end ferrite 053434
-----------------------------------	-------------------------	------------------------------------	--------------------------

Product	NEW POWERDUCTION 50 L	NEW POWERDUCTION 110 L	NEW POWERDUCTION 160 L
Reference	053489	053663	053670
50/60 Hz - Fuse [AM]	230 V - 1 φ - 25 A mini	400 V - 3 φ - 16 A mini	400 V - 3 φ - 24 A mini
W Heating power	5 200 W	11 000 W	16 000 W
Frequency	20 < 40 kHz	15 kHz	15 kHz
Inductor cable length	3 m	4 m	4 m
Power input cable length	8 m	10 m	10 m
Dimensions L x l x H	103 x 57 x 50 cm	80 x 60 x 50 kg	120 x 60 x 50 cm
Weight	65 kg	120 kg	190 kg
Included	Round-end 3 m + Liquid coolant	Round-end 4 m + Liquid coolant	Straight 4 m + Liquid coolant

A **Premium brand**  
for dedicated Professionals



Une marque internationale pour les Professionnels de la soudure  
Eine internationale Marke für Schweißprofis

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[www.ims-welding.com](http://www.ims-welding.com)



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