

Welding System

**Car-O-Liner is a world leading provider
of collision repair systems**



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CR500 DA Resistance Spot Welder

Unmatched in power and intelligence!

The CR500 DA Inverter Resistance Spot Welder with Double Action function on the C-tong. CR500 DA is designed for professionally-minded body shops to provide quality spot welds with all new high-strength steels and welding processes.



- Double Action C-Tong
- Versatile Multi-function gun
- Two sided spot welding
- Single sided welding
- Spot hammer welding
- Nut and bolt welding
- Carbon shrinking
- Contact shrinking
- Moulding clip rivet welding
- Stitch welding
- Smart control panel
- Personal profiles
- Preprogrammed for best performance



Double Action trigger function, moves the electrode automatically backwards.

Enables quick and easy movement between the welding positions.



TECHNICAL DATA

Input voltage:	400V 50-60Hz 32A, 460V 60Hz 3 phase AC 230 V 50-60 Hz 63A (60A US) 3 phase AC
Degree of protection	IP21
Inverter frequency:	2000 Hz
Welding amperage:	10 000 A, current control - 12 000 A Max
Cable length to the electrodes:	2.5 m incl. tong
Electrode Pressure:	At 7.5 bars (109 PSI)-300 daN (674 Lb)
Cooling system:	Air (2 fans) (with overheat warning)
Welding cable cooling:	Air cooling (with overheat warning)
Extension yoke system:	Up to 330mm reach (600mm optional)
Microprocessor program:	No. of operating modes 11, No. of welding programs 40
Consumable supplies:	Box containing electrodes, bolts, clip rivets
Total weight (without accessories):	135 kg

Resistance Spot Welders

Object

Part No:



CR500 DA	400V 50-60Hz	3-ph.	1390500320
CR500 DA	230V 50-60Hz	3-ph.	1390500323
CR500 DA	460V 50-60Hz	3-ph.	1390500326

80-yoke



330-yoke



Basic kit*



Support arm



Tool panel



600-yoke-kit

Consisting of:

	Part No:	Qty
C-tong DA complete, 240 mm ²	1394027300	1
C-tong DA holder	1394027202	1
80 yoke	1394025302	1
330 yoke	1394025303	1
Electrode, length 40 mm 120°	1394001151	2
Electrode, length 80 mm 120°	1394001153	1
Multi function gun, 2.5 m 120 mm ² air cooled	1394010324	1
Multi function holder	1390601212	1
Ground cable, 2.0 m 120 mm ² air cooled	1394010325	1
Grounding device	1394010225	1
Carbon rod holder	1394001150	1
Electrode stitch weld	1394002004	1
Dent puller	1392001350	1
Basic kit *	1390208300	1

Accessories (optional)

Tool panel with rubber mat	1390201204
Support arm	1390210300
600-yoke kit	1394025311
Fender edge kit	1394025310
Electrode tip dresser, 120°	1394001030
Electrode tip dresser, spherical	1394001040



Fender edge kit



Electrode tip dresser, spherical



Electrode tip dresser, 120°

CR510 Resistance Spot Welder

Unmatched in power and intelligence!

The CR510 W/HP Inverter Resistant Spot Welder with water cooled electrodes using a high pressure C-tong.



- Water cooling on both electrodes
- High Pressure C-Tong 7 bar-550 daN
- Prepared for OEM parameters
- Automatic adhesive detection and adjustment.
- Versatile Multi-function gun
- Two sided spot welding
- Single sided welding
- Spot hammer welding
- Nut and bolt welding
- Carbon shrinking
- Contact shrinking
- Moulding clip rivet welding
- Stitch welding
- Smart control panel
- Personal profiles
- Preprogrammed for best performance



Water cooled electrodes with caps, 80- and 330 yoke with quick release- and 360° swiveling connection.

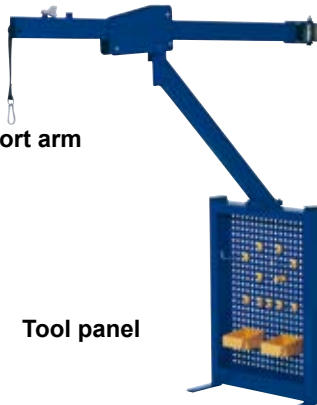


Water cooling unit

TECHNICAL DATA

Input voltage:	400V 50-60Hz 32A, 460V 60Hz 3 phase AC 230 V 50-60 Hz 63A (60A US) 3 phase AC
Degree of protection	IP21
Inverter frequency:	2000 Hz
Welding amperage:	10 000 A, current control - 12 000 A Max
Cable length to the electrodes:	2.5 m incl. tong
Electrode Pressure:	At 7 bars - 550 daN with 80 mm yoke
Cooling system:	Air (2 fans) (with overheat warning)
Electrode cooling:	Water for both electrodes (with overheat warning)
Welding cable cooling:	Air cooling (with overheat warning)
Extension yoke system:	Up to 330mm reach (600mm optional)
Micro processor program:	No. of operating modes 11, No. of welding programs 40
Consumable supplies:	Box containing electrodes, bolts, clip rivets
Total weight (without accessories):	145 kg

Resistance Spot Welders

Item	Part No:			
	CR510	230V 50-60Hz 3-ph.	1390500333	
	CR510	400V 50-60Hz 3-ph.	1390500330	
	CR510	460V 50-60Hz 3-ph.	1390500336	
 80W HP yoke  330W LP yoke  Basic kit*  Cap  Cap holder 40 mm  Cap holder 80 mm	Consisting of:		Part No:	Qty
	C-tong W/HP complete cable, 240 mm ²		1394026300	1
	C-tong DA holder		1394027202	1
	80W HP yoke		1394026302	1
	330W LP yoke		1394026304	1
	Cap		1394001169	6
	Cap holder 40 mm		1394001215	2
	Cap holder 80 mm		1394001217	1
	Multi Function gun, 2.5 m 120 mm ² air cooled		1394010324	1
	Multi Function holder		1390601212	1
	By-pass connection		1394026203	1
	Ground cable, 2.0 m 120 mm ² air cooled		1394010325	1
	Grounding device		1394010225	1
	Carbon rod holder		1394001150	1
	Stitch Weld Electrode		1394002004	1
	Dent puller		1392001350	1
	Basic kit *		1390208300	1
Accessories (optional)				
Tool panel with rubber mat		1390201204		
Support arm		1390210300		
600-yoke kit		1394025311		
Fender edge kit		1394025310		
Caps 10 pcs		1394001225		
 Support arm  Tool panel  600-yoke-kit  Fender edge kit				

CR530c Resistance Spot Welder

13,000 Ampere Inverter Spot Welder!

The CR530c has a water cooled high pressure C-tong. The Inverter Resistance Spot Welder is designed for professionally-minded body shops to provide quality spot welds with all new high-strength steels and welding processes.



- High Pressure C-Tong 7 bar-500 daN
- Water cooling on both electrodes
- Prepared for OEM parameters
- Automatic adhesive detection and adjustment
- Water cooled transformer
- Two sided spot welding
- Single sided welding
- Spot hammer welding
- Nut and bolt welding
- Carbon shrinking
- Contact shrinking
- Moulding clip rivet welding
- Stitch welding
- Smart control panel
- Personal profiles
- Prepared for OEM



Water cooled electrodes with caps, 80- and 330 yoke with quick release- and 360° swivel connection.



Water cooling unit

TECHNICAL DATA

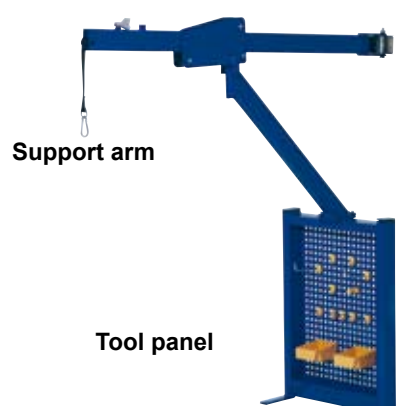
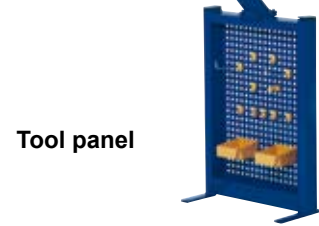
Input voltage:	400V 50-60Hz 32A, 3 phase AC , 460V 50-60Hz, 3 phase
Degree of protection	IP21
Inverter frequency:	2000 Hz
Welding amperage:	13 000 A, current control
Cable length to the electrodes:	2.5 m incl. tong
Electrode Pressure:	At 7 bars - 550 daN with 80 mm yoke
Cooling system:	Water cooled transformer (with overheat warning)
Electrode cooling:	Water
Welding cable cooling:	Air cooling (with overheat warning)
Extension arm:	From 330 mm reach to (600 mm optional)
Micro processor program:	No. of operating modes 11, No. of welding programs 40
Consumable supplies:	Box containing electrodes, bolts, clip rivets
Total weight (without accessories):	145 kg

Resistance Spot Welders









CR530c W/HP	400V 50-60Hz	3-ph.	1390500340
CR530c W/HP	460V 50-60Hz	3-ph.	1390500346

Consisting of:	Part No:	Qty
C-tong W/HP complete cable, 240 mm ²	1394026300	1
C-tong DA holder	1394027202	1
80W HP yoke	1394026302	1
330W LP yoke	1394026304	1
Cap	1394001169	6
Cap holder 40 mm	1394001215	1
Cap holder 80 mm	1394001217	1
Multi Function gun, 2.5 m 120 mm ² air cooled	1394010324	1
Multi Function holder	1390601212	1
By-pass connection	1394026203	1
Ground cable, 2.0 m 120 mm ² air cooled	1394010325	1
Grounding device	1394010225	1
Carbon rod holder	1394001150	1
Stitch Weld Electrode	1394002004	1
Dent puller	1392001350	1
Basic kit *	1390208300	1

Accessories (optional)	
Tool panel with rubber mat	1390201204
Support arm	1390210300
600-yoke kit	1394025311
Fender edge kit	1394025310
Caps 10 pcs	1394001225

CR530x Resistance Spot Welder

13,000 Ampere Inverter Resistance Spot Welder!

The CR530 has a water cooled high pressure X-tong. The Inverter Spot Welder is designed for professionally-minded body shops to provide quality spot welds with all new high-strength steels and welding processes.



- High Pressure water cooled X-Tong
7 bar-500 daN (120 mm arm)
- Water cooled transformer
- Water cooled electrodes
- Two sided spot welding
- Single sided welding
- Spot hammer welding
- Nut and bolt welding
- Carbon shrinking
- Contact shrinking
- Moulding clip rivet welding
- Stitch welding
- Smart control panel
- Personal profiles
- Preprogrammed for best performance



High pressure water cooled X-tong



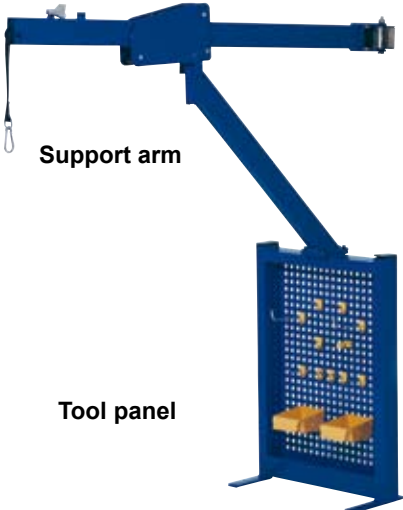
Water cooling unit



TECHNICAL DATA

Input voltage:	400V 50-60Hz 32A, 460V 50-60Hz 32A, 3 phase AC
Degree of protection	IP21
Inverter frequency:	2000 Hz
Welding amperage:	13 000 A, current control
Cable length to the electrodes:	2.5 m incl. tong
Electrode Pressure:	At 7 bars - 500 daN with 120 mm arm
Cooling system:	Water cooled transformer (with overheat warning)
Electrode cooling:	Water
Welding cable cooling:	Water cooling
Extension arm:	From 120 mm to 300 mm reach
Micro processor program:	No. of operating modes 11, No. of welding programs 40
Consumable supplies:	Box containing electrodes, bolts, clip rivets
Total weight (without accessories):	145 kg

Resistance Spot Welders

Object	Part No:		
	CR530x W/HP	400V 50-60Hz 3-ph.	1390500341
	CR530x W/HP	460V 50-60Hz 3-ph.	1390500347
	Consisting of:		Part No: Qty
	X-tong		1394026300 1
	X-arm 120 mm, Ø25		1394029140 2
	Caps for x-arm		1394029130 2
	Multi Function gun, 2.5 m 120 mm ² air cooled		1394010324 1
	Multi Function holder		1390601212 1
	Ground cable, 2.0 m 120 mm ² air cooled		1394010325 1
	Grounding device		1394010225 1
	Carbon rod holder		1394001150 1
	Stitch Weld Electrode		1394002004 1
	Dent puller		1392001350 1
	Basic kit *		1390208300 1
	Accessories (optional)		
	Tool panel with rubber mat		1390201204 1
	Cable support arm		1390210300 1
	X-arm 200 mm, Ø25		1394029141 2
	X-arm 300 mm, Ø25		1394029142 2
	X-arm 400 mm, Ø25		1394029143 2
	Support ring for X-tong		1394029101 1
			
	High pressure water cooled X-tong		

CR55 Aluminium Spotter

The CR55 aluminium power source allows welding of stud bolts and miscellaneous accessories on all types of sheet metal, including aluminium.



The power source is supplied complete with gun and 2-clamp earth cable. Standard supplies also include a set of threaded rivets specifically intended for Aluminium application and threaded washers



Maxilift dent puller

Item	Part No:	Qty
Aluminium Spotter CR55 115V/230V 50-60Hz 1-ph	1390310600	
Consisting of:		
Power source with 2.5 m power cable (without plug), spot gun with 4 m cable, 3.5 m double earth cable with clamps, bag of 100 threaded rivets M4x15		
		1
Accessories for CR55:		
Maxilift dent puller with 3 hooks	1390310460	1
Spare parts For CR55:		
ALU M4x15 threaded rivets ALSI12 alloy	1390310610	100

TECHNICAL DATA

Input Voltage	115V / 230V 60Hz, 1-phase AC
Max installed power	1.6 Kw
Fuse rating (slow blow)	10A / 16A
Energy adjustment range	50 ÷ 1500J
Number of welds per hour	1200/h
Protection class IP	23C
Authorized for use in areas of increased hazard of electric shock	yes
Weight	15 Kg
Dimensions	176 x 370 x 401

PC30 Plasma Cutter

The PC30 is the necessary cutting tool for the new high strength steel qualities.

Excellent cutting performance on thin sheet metal.



Item	Part No:	Qty
Plasma cutter PC30		
230V 50-60Hz 1-ph	1390310300	
Consisting of:		
Power source with 2.5 m power cable		
Torch EL-60 complete 4 m and earth cable		
Spare parts For PC30:		
Electrode for torch EL-60	1390310310	5
Cooling air diffusor	1390310311	1
Cutting air tip	1390310312	5
Protection nozzle	1390310313	1

TECHNICAL DATA

Input Voltage	230V 230V 60Hz 1-phase
Duty cycle 20%	25A
Duty cycle 100%	10A
Fuse rating (slow blow)	16A
Current/Voltage range	5A/82V
Performance steel and aluminium, cutting/separation	4 mm / 5 mm
Protection class IP	22
Air pressure	4 bar
Weight	9 kg

CR35 Spotter

The CR35 is a sophisticated micro process controlled spotter for welding and traction of all particular studs, nails, washers, rivets and bolts.



Start up kit

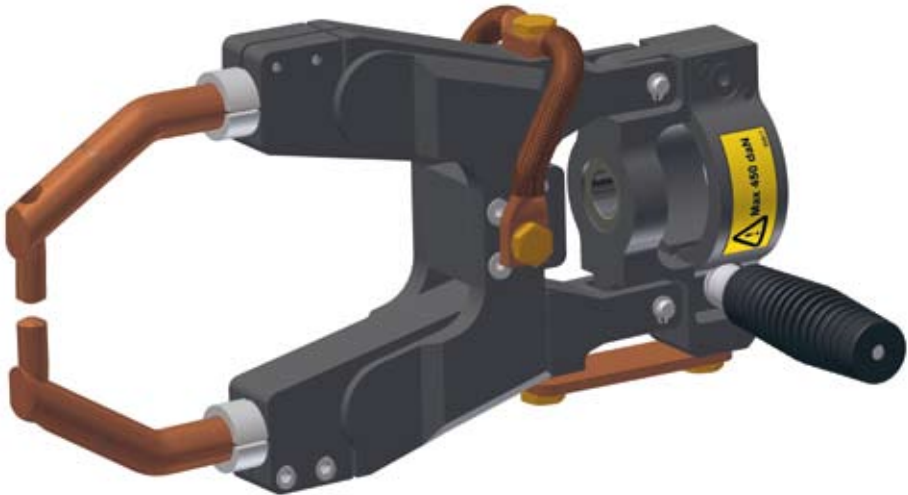
Item	Part No:	Qty
CR35 Spotter 230V 50-60Hz 1-ph	1390735300	
Consisting of: Power source with 2.5 m power cable Multifunction torch, earth cable, dent puller and start up kit.		

TECHNICAL DATA

Input Voltage	230V 60Hz, 1-phase AC
Rated power at 50%	2 kVA
Max power	16 kVA
Fuse rating (slow blow)	16A
Secondary no-load voltage	7V
Secondary short circuit current	2.8 KA
Duty cycle	5%
Dimension W x L x H	130 X 300 X 150 mm
Weight	14 kg

A-tong

Patented accessory for the C-tong on **CR100, CR300 CR500, CR500DA, CR510 and CR530** to increase accessibility.



Item	Part No:	Qty
A-tong	1394028300	1
Consisting of: A-tong with 100 mm 33° angle arms and electrodes Adapters for CR100, CR300, CR500, CR500DA CR510 and CR530		
Spare parts for A-tong:		
Electrode Holder Arm 100 mm	1394028114	2
Electrode, 40 mm 120°	1394001151	2



TECHNICAL DATA	
Max electrode pressure (depending on the length of arms)	450 daN
Open gap (tip to tip)	100 mm
Weight	3.8 kg

Item	Part No:	Qty
Angle Sander 2"	1390310200	1
TECHNICAL DATA		
Speed	25 000 rpm	
Working pressure	6,0 bar	
Max. working pressure	6,2 bar	
Weight	0,7 kg	
Disc diameter	2"	
Sound level	84 dBA	
Sound level pressure and power	90.8 dBA	
Vibration level	3.1 m/sec ² (ISO 8662-1)	

Item	Part No:	Qty
Spot drill kit	1390310100	1
Adapter kit spot drill:	1390310123	1
>bushing	1390310120	1
>drill support	1390310121	1
Drill 45x8 mm	1390310110	5
Drill 45x10 mm	1390310112	1
Drill bits B.O.R		
3 bits/package	1390310130	3
Drill bits HSS		
5 bits/package	1390310131	5
Oil B.O.R	1390310132	1

TECHNICAL DATA		
Speed	1800 rpm	
Drill diameter	8 mm	
Air intake	1/4"	
Working pressure	6,2 bar	
Vibration level	0.27 m/sec ² (ISO 8862-1)	
Air consumption	230 litres/min	
Weight	2.3 kg	

Air Tools

Air Grinding

25 000 rpm providing a very high cutting rate. Perfect for final smoothing before welding and for grinding spot welds.



Spot Drill Kit

Easy drilling with an automatic system



The depth can be easily regulated by means of the red positioning ring and checked by moving the counter-stop backwards. With the yoke fitted, the drill moves automatically towards the spot welds when the trigger is depressed to half-way position.



Drill bits B.O.R



Drill bits HSS



Oil B.O.R

Airpuller AP95

The professional panel dent removing tool

Item	Part No:	Qty
Airpuller AP95	1390310500	1
Powerlift for Airpuller	1390310512	1

TECHNICAL DATA		
Dimension LxHxW	190x170x80 mm	
Weight	1,8 kg	
Operating pressure	6-8 bar	
Acceleration	< 2.5 m/s ²	
Sound level pressure	66 dBA	



Powerlift

Service Equipment

Weld Tester Kit

Multi-function measurement instrument for resistance welders



Item	Part No:	Qty
Weld tester kit	1390320100	1

TECHNICAL DATA

Current measures	AC and DC up to 200kA
Tip pressure	up to 1200 daN



Multifunction Installation Tester

Measure your main supply system. Verify the safety of your electrical installation.

Item	Part No:	Qty
Fluke	1390320200	1

TECHNICAL DATA

Voltage measurement, Continuity testing
Resistance and Impedance measurement

Accessories

Dent Puller

Hand-operated Dent puller kit



Item	Part No:	Qty
Dent puller	1390310400	1

Mechanic Glove

The glove is made of a soft, lithe and durable material. Washable in (40°C). Extra reinforced at thumb for longer life time



Item	Part No:	
Mechanic glove	M	60110
Mechanic glove	L	60111
Mechanic glove	XL	60112

CMI3000

MIG/MAG Welder

The CMI3000 is a versatile future upgradable MIG/MAG welding machine using flash-card and Inverter technology. CMI3000 has been developed for use in light industrial applications and for modern car body work. Heavy demands are placed on the shop to continually adjust their process to ensure high quality welding operation..



Item	Part No:
CMI3000 3 x 400V	1390300515
GM and PSA software. Feed rolls 0.8 mm steel wire. Torch PL 150F, 3m	
CMI3000 2wf 3 x 400V	1390300516
GM and PSA software. Two wire feeders Feed rolls 1.0 mm ALU Wire. Torch PL 150F 3m Feed rolls 0.8 mm Steel Wire. Torch PL 150F 3m	
CMI3000 3 x 230V	1390300517
GM and PSA software.	
CMI3000U 2wf 3 x 230V	1390300518
GM and PSA software. Two wire feeders	
Accessories	Part No:
Aluminium wire	
AlMg 5 1.0 mm 2 kg	1390301045
AlMg 5 1.0 mm 6 kg	1390301046
Galvanized wire	
SG1 0.8 mm 5 kg	1390301053
SG1 0.8 mm 15 kg	1390301054
Mig brazing wire PSA	
CuAl 8 1.0 mm 5 kg	1390301049
Mig brazing wire GM	
CuSi 3 1.0 mm 5 kg	1390301048
Gas regulator 15l	1390301070
Gas regulator 30l for Argon.	1390301071
Distance ring for 5 kg	1390301052

TECHNICAL DATA

Power source	CMI3000
Input Voltage	400 V +/- 15%
Fuse	16 A
Current range DC	15 - 300 A
Duty cycle 60% at 20	300 A
Open circuit consumption	40 Watt
Mains voltage max	15.5 A
Efficiency	0.85
Power factor	0.90
Open circuit voltage	15 - 68 V
Dimensions L x W x H	69 x 27 x 63 cm
Weight (incl. supply cable)	32 kg
Wire feed rate	0.5-24 m/min

MIG-Welders

CM220 Automotive

Car-O-Liner's CM220 Automotive MIG Welder has been specially developed for repair and construction of galvanized and primed high tensile steels in the automotive industry. In addition, it permits MIG welding of aluminium and high tensile steels.



Item	Part No:
CM220 Automotive 3x400V	1390300435
Feed rolls 1.0 mm ALU Wire. Torch PL 150F 3m	
CM220 Automotive Twin 2 Wire Feeders 3x400V	1390300439
Feed rolls 1.0 mm ALU Wire. Torch PL 150F 3m	
Feed rolls 0.8 mm Steel Wire. Torch PL 150F 3m	
Accessories	Part No:
Aluminium wire	
AlMg 5 1.0 mm 2 kg	1390301045
AlMg 5 1.0 mm 6 kg	1390301046
Galvanized wire	
SG1 0.8 mm 5 kg	1390301053
SG1 0.8 mm 15 kg	1390301054
Mig brazing wire PSA	
CuAl 8 1.0 mm 5 kg	1390301049
Mig brazing wire GM	
CuSi 3 1.0 mm 5 kg	1390301048
Gas regulator 15l	1390301070

TECHNICAL DATA

Current range	20-200 A
Voltage steps	20
Duty cycle 35%	150 A
Open circuit voltage	14-30 V
Input Voltage	3 x 400 V
Fuse	10 A
Wire dimension	0.6-1.0 mm
Wire reel	5-15 kg
Wire feed speed	2-15 m/min

MIG-Welders

Quality welders for the Automotive Industry

CM181, CM193, CM253



TECHNICAL DATA

	CM181	CM193	CM253
Input Voltage	230V 50-60Hz 1ph	400V 50-60Hz 3 ph 230V/400V 50-60Hz 3 ph	400V 50-60Hz 3 ph 230V/400V 50-60Hz 3ph
Fuse	10A	10A	10A
Current range	30-160 A	20-180 A	20-250 A
Open circuit voltage	19-33V	14-30V	15-34V
Duty cycle			
60%	50 A	85 A	165 A
35%	60 A	110 A	200 A
Voltage steps	4	7	10
Wire dimensions	0.6-0.8 mm	0.6-0.8 mm	0.8-1.2 mm 1.0 mm ALU
Wire reel dimension	5-15 kg	5-15 kg	5-15 kg
Wire feed speed	2-12 m/min	2-12 m/min	2-15 m/min
Dimensions LxWxH	72x38x70 cm	72x38x70 cm	72x38x70 cm
Weight	52 kg	57 kg	70 kg
Torch with remote	PL150F 3 m, 0.8 mm	PL150F 3 m, 0.8 mm	PL250F 3 m, 0.8 mm
MPS System:			
Spot time	0.15-2.5 sec	0.15-2.5 sec	0.15-2.5 sec
Stitch time	0.15-2.5 sec	0.15-2.5 sec	0.15-2.5 sec
Burn back	0.05-0.5 sec	0.05-0.5 sec	0.05-0.5 sec
<u>Features</u>			
MPS (spot/stitch)	X	X	X
Tool tray w. rubber mat	X	X	X
Remote on the torch	X	X	X
Torch holder	X	X	X

MIG/MAG Welders

Object

Part No:

MPS automatic
spot and stitch

Torch holder



Rubber mat for tools



Remote on torch

CM 181	230V	1-ph	160 Amp	1390300401
CM 193	400V	3-ph	180 Amp	1390300411
CM 193	230V/400V	3-ph	180 Amp	1390300413
CM 253	400V	3-ph	250 Amp	1390300416
CM 253	230V/400V	3-ph	250 Amp	1390300430

Consisting of:

Power Source CM181,193 or 253 on wheels	Qty
MPS automatic spot & stitch welding.	1
Feed rolls 0.8-1.0 mm steel wire	
Torch holder	1
Tool rubber mat on top of the machine	1
CM 181 and 193	
Torch with remote control PL150F	1
CM 253	
Torch with remote control PL250F	1

Accessories

Part No:

ALU kit for CM

1390301416

Consisting of:

Feed rolls ALU 1.0 mm	Qty
Carbon liner 1.0 mm	1
Contact tip 1.0 mm	1
Inlet nozzle	1

For CM 181-253:

Part No:

Torch PL150F remote 3 m 0.8 mm	Qty
Torch PL250F remote 3 m 0.8 mm	1390301151
Torch PL250F remote 3 m 1.0 mm ALU	1390301251
Gas regulator 15l	1390301252
Gas regulator 30l for Argon gas	1390301070
	1390301071

Aluminium wire

AlMg 5 1.0 mm 2 kg	1390301045
AlMg 5 1.0 mm 6 kg	1390301046

Galvanized wire

SG1 0.8 mm 5 kg	1390301053
SG1 0.8 mm 15 kg	1390301054
Adapter for 5 kg reel	1390301052
Feed rolls 0.6-0.8 mm steel wire	1390301017

Torch

Wire guide liner Steel for 0.8-1.2 mm wire	1390301008	1
Wire guide liner Teflon for 1.0 -1.6 mm ALU wire	1390301011	1
Cone shaped welding gas nossle PL150	1390301007	1
Cone shaped welding gas nossle PL250	1390301010	1
Locking spring for gas nossle	1390301015	1
Contact tip Ø 1.2 X 28 mm M6 ECU	1390301012	1
Contact tip Ø 1.0 X 28 mm M6 ECU	1390301014	1
Contact tip Ø 0.8 X 28 mm M6 ECU	1390301009	1
Contact tip Ø 0.6 X 28 mm M6 ECU	1390301013	1

Spot Welders Spare Parts and Accessories

Object



Accessories for:

CR300, CR500, CR500 DA, CR510, CR530

Cable support complete

> cable holder

> band

> plastic roller

Tool panel with rubber mat

CR300

Main cable holder

CR100

Cable support complete

CR100, CR300, CR500, CR500 DA, CR510, CR530

600-yoke kit

>yoke 600

>electrode 50 domed

>electrode 170 domed

CR100, CR300, CR500, CR500 DA

80-yoke

330-yoke

CR510, CR530c

80W HP-yoke

330W LP-yoke

C tong parts for:

CR100, CR300, CR500,

C-tong holder

Yoke locking handle

CR500 DA, CR510, CR530

C-tong holder DA + HP/W

CR100

C-tong incl. cables 185 mm²

C-tong cable 185 mm²

CR300, CR500

C-tong incl. cables 240 mm²

C-tong cable 240 mm²

C-tong without cable

CR500 DA

C--tong DA incl. cables 240 mm²

C-tong DA cable 240 mm²

C-tong DA without cables

CR510, CR530c

C-tong HP/W incl. cables 240 mm²

C-tong HP/W cable 240mm²

C-tong HP/W without cables

By-pass connection

CR530x

X-tong complete

Part No:

Qty

1390210300 1

1390210005 1

1390210006 1

1390210105 1

1390201204 1

1390210120 1

1390210320 1

1394025311 1

1394025305 1

1394001116 1

1394001147 1

1394025302 1

1394025303 1

1394026302 1

1394026304 1

1390201215 1

1394025912 1

1394027202 1

1394025330 1

1394010321 1

1394025320 1

1394010320 1

1394025315 1

1394027300 1

1394010329 1

1394027310 1

1394026300 1

1394010328 1

1394026310 1

1394026203 1

1394029300 1

Spot Welders

Object

Part No:

Qty



Fender Edge kit



Electrode tip dresser
(manual)



Electrode tip dresser
Spherical and 120°



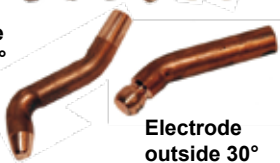
Airpuller connection kit

Electrode length

40 60 80 100 120 140



Electrode
inside 30°



Electrode
outside 30°

Electrode length 120°

140 120 100 80 60 40



Fender Edge kit

1394025310

CR100, CR300, CR500, CR500DA, CR510, CR530c

Consisting of:

	Part no	Qty
1. Fender edge yoke	1394025304	1
2. Electrode holder length 80 mm / 45°	1394001137	1
3. Electrode holder length 80 mm	1394001136	1
4. Electrode length 80 mm / 45°	1394001132	1
5. Electrode length 20 mm	1394001131	1
6. Electrode, length 80 mm Ø13	1394001133	1
7. Electrode, length 80 mm Ø13 / 45°	1394001134	1
8. Electrode washer	1394001135	1
9. Electrode S	1394001104	1

Tip Dresser

CR100, CR300, CR500, CR500DA

Electrode tip dresser (manual)	1394001020	1
Electrode tip dresser spherical for drill tools	1394001030	1
Blade Spherical for drill tools	1394001031	1
Electrode tip dresser cpl. 120° for drill tools	1394001040	1
Blade 120° for drill tools	1394001041	1

Airpuller connection kit

CR100 connection kit for airpuller	1390310508	1
For CR300 connection kit for airpuller	1390310509	1
For PR-8 connection kit for airpuller	1390310506	1
For PR-2 connection kit for airpuller	1390310507	1

Spare parts C-tong, C-tong DA

Electrode parts for: CR100, CR 300

Electrode length 40 mm spherical	1394001103	1
Electrode length 60 mm spherical	1394001102	1
Electrode length 80 mm spherical	1394001101	1
Electrode length 100 mm spherical	1394001128	1
Electrode length 120 mm spherical	1394001129	1
Electrode length 140 mm spherical	1394001130	1
Electrode kit 30° (inside and outside)	1394001301	1
>Electrode inside 30°	1394001138	1
>Electrode outside 30°	1394001139	1

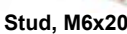
CR300, CR500, CR500 DA

Electrode length 40 mm 120°	1394001151	1
Electrode length 60 mm 120°	1394001152	1
Electrode length 80 mm 120°	1394001153	1
Electrode length 100 mm 120°	1394001154	1
Electrode length 120 mm 120°	1394001155	1
Electrode length 140 mm 120°	1394001156	1
Electrode isolation nozzle	1394001158	1

Spot Welders

Object	Part No:	Qty
 Cap holder 40 mm  Cap holder 60 mm  Cap holder 80 mm  Cap holder 100 mm  Cap holder 120 mm  Cap	Electrode parts	
	CR510, CR530c	
	Cap holder 20 mm	1394001180 1
	Cap holder 40 mm	1394001215 1
	Cap holder 60 mm	1394001216 1
	Cap holder 80 mm	1394001217 1
	Cap holder 100 mm	1394001218 1
	Cap holder 120 mm	1394001219 1
	Caps 10 pcs	1394001225 10
	CR530x	
 A-tong  Socket  Electrode holder  Electrode 	Arm 120 mm	1394029140 2
	Arm 200 mm	1394029141 2
	Arm 300 mm	1394029142 2
	Arm 400 mm	1394029143 2
	Cap	1394029130 1
	A-tong	
	Electrode holder 120 mm	1394028114 2
	Electrode L - 40 mm 120°	1394001151 2
	Socket	1394028107 2
	Insulation cap CR500 DA	1394028108 1
 Wire electrode  Wrench  Crimped wire  Contact tip	Insulation cap CR100, CR300, CR500	1394028106 1
	Current cable kit	1394028901 1
	Bearing kit	1394028902 1
	CR35 Start up kit	
	Electrode holder	1394003110 1
	Carbon rod diam. 10 mm	1394002020 2
	Stud holder diameter 5 and 6 mm	1394002001 1
	Rivet holder 3 and 5 mm	1394002002 1
	Stud, M6x20 (earth)	1394001202 50
	Stud, M5x18, coarse thread	1394001201 100
	Clip rivets 3x4.5 mm	1394001205 100
	Clip rivets 3x3.2 mm	1394001204 100
	Crimped wire	1311130048 50
	Contact tip	1390735104 1
	Plastic box	1390208001 1
	Wrench	1390735110 1
	Wire electrode	1390735103 1

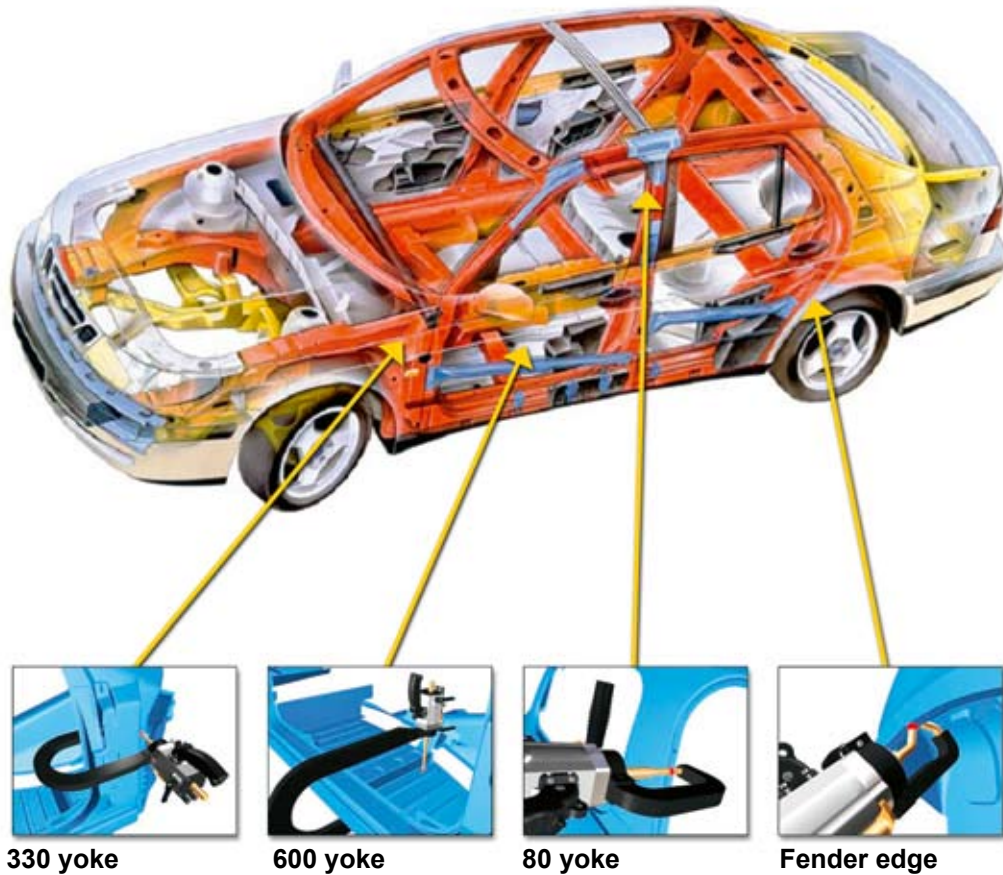
Spot Welders

Object	Part No:	Qty
	Spare parts Multi Function gun	
Multi function gun	CR100, CR300, CR500, CR500 DA	
	Multi function gun 2.5 m 120 mm ²	1394010318 1
	Ground cable 2.0 m 120 mm ²	1394010319 1
	CR510, CR530	
Ground cable 2.0	Multi function gun 2.5 m 120 mm ² Air	1394010324 1
	Ground cable 2.0 m 120 mm ² Air	1394010325 1
	All:	
Ground device	Multi function gun holder	1390601212 1
	Ground device	1394010225 1
	Ground knob	1394001011 1
Ground knob	Electrode holder	1394003110 1
	Stud holder diameter 5 - 6 mm	1394002001 1
Electrode holder	Rivet holder diameter 3 - 5 mm	1394002002 1
	Carbon rod holder	1394001150 1
Stud holder diameter 5-6 mm	Carbon rod diameter 10 mm	1394002020 1
	Contact tip for dent puller	1394002005 1
Rivet holder	Stamp electrode	1394002003 1
	Clip rivets 3x3.2 mm	1394001204 100
Carbon rod holder	Clip rivets 3x4.5 mm	1394001205 100
	Stud M5x18, coarse thread	1394001201 100
Contact tip for dent puller	Stud M6x20 (earth)	1394001202 50
	Weld on nut 6 mm	1394001209 20
Stamp electrode	Stitch Weld Electrode	1394002004 1
	Dent puller	
Rivets 3.2	Hand-operated dent puller Kit	1390310400 1
	Dent puller (COL)	1392001350 1
Rivets 4.2	Puller head for washer (Hook)	1392002312 1
	Puller head for nails	1392002313 1
Stud, M5x18	Stud holder for nails	1394002007 1
	Stud holder for washer	1394002006 1
Stud, M6x20	Nail 2 mm	1394001210 100
	Washer dent puller 8x16	1394001208 100
Stitch Weld Electrode	Puller head for washer (old, Italy)	1392002311 1
	Washer (old, Italy)	1394002201 20
Dent puller	Washer (old, France)	1394001207 50
	Slide hammer	1311130046 1
Crimped wire	Pulling handle finger	1311130045 1
	Crimped wire	1311130048 50

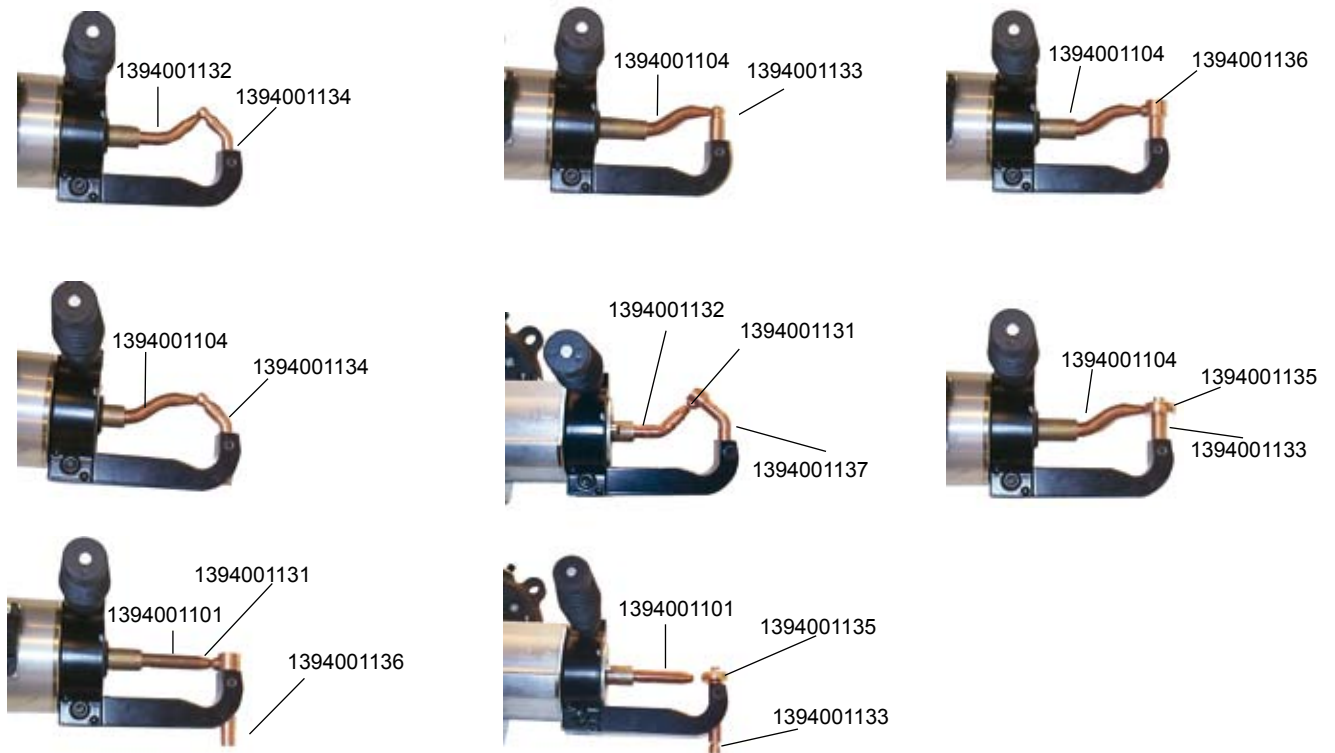
Spot Welders

Object	Part No:	Qty
 Basic kit*	1390208300	
 Electrode holder	1394003110	1
 Electrode length 40	1394001103	2
 Electrode length 80	1394001101	1
 Contact tip for dent puller	1394002005	2
 Electrode length 50 domed	1394002020	2
 Carbon rod diam. 10 mm	1394002001	1
 Stud, M5x18	1394002002	1
 Stud, M6x20	1394002002	1
 Stud holder	1394002003	1
 Rivet holder	1394001116	1
 Stamp electrode	1394001202	50
 Rivets 3.2 4.2	1394001201	100
 Ground knob	1394001205	100
 Allen key	1394001204	100
	1394001011	1
	1394023001	1
	1390208001	1

Yoke and Electrode Applications



Fender edge configurations





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