



DENT REMOVAL & METALWORKING



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Mobile dent removal system

The mobile pulling tower with a pulling force of up to 550 kg is held securely on the workshop floor by a pneumatic underpressure plate. The mobile design and the low weight allow a quick change of the position. The traction force can be adjusted in all positions up to a height of 1.65 m, which makes the tower perfect for higher areas such as roof pillars and also lower areas such as door sills.

APPLICATION RANGE:

- ROOF PILLARS
- CAR DOOS
- DOOR SILLS

550 TRAC TOWER WITH VACUUM PLATE

TRAC TOWER 550 with vacuum plate

Item no. 500001

Tractive force	Height adjustment	Max. height (extendible)	Weight
550 kg	15 positions	165 cm (220 cm)	20 kg

Scope of delivery:
 1 x pulling tower cpl.
 1 x vacuum plate
 1 x ratchet with pull strap
 1 x pull hook

Steel Extension 700 mm

Item no. 500002

To increase the pulling tower height up to 2.20 m for the repair of truck and van roofs.



Vertical vacuum pull plate

Item no. 500020

Allows vertical pulling with the TracTower 550.



Scope of delivery:
 1 x vacuum plate
 1 x silencer | blue
 1 x pull hook

Trac Tower 550 spare parts

Item no.	Item
500003	Silencer 3/8" blue
500004	Gasket for vacuum plate
500006	Mini ball valve IG/AG 1/4"
500007	Trac Tower 550 without rod
500008	Rod for Trac Tower 550
500011	6 hooks gripping head
500012	Pulling hook for 500011 50 mm
500013	Eyebolt for 500011 M10
500014	Pneumatic vacuum generator
500015	Pulling strap for winch
500016	Single hook for 500011
500017	Rubber plate for vacuum plate

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113

Airpuller AP95 & transformer

FEDERAL AWARD 1997
for outstanding
innovative achievements
for the craft sector



VERSATILE

AIRPULLER AP95

With the Airpuller AP95, dent removal work, from the outside, can be carried out in a fraction of the time previously required.

Longitudinal scratches, streaks on the side panels or doors can be easily and quickly repaired with the AP95. The infamous hail damage to car roofs can be repaired without any problems. The Airpuller AP95 can be used immediately and efficiently without any special training.

The Airpuller can be connected to an AP95 transformer, the WS60 transformer or even directly to the spot welder InvertaSpot GT (Item no. 351002).

UNMATCHED IN HANDLING, TIME AND COST SAVINGS

Dent removal work can be performed from the outside in a fraction of the time previously required.

PULLING IN SHEET METAL

ESPECIALLY SUITABLE FOR
HAIL DAMAGE
SMALL DENTS
SCRATCHES & STRIPES
DOUBLE-WALLED SPOTS

HIGH EFFICIENCY

CAN BE IMMEDIATELY USED EVEN WITHOUT TRAINING

SETS AND INDIVIDUAL PARTS ON PAGE 116-117

WELDING GUN INCL. CONTROL LINE

A multifunction gun for many applications.

By changing the contact pieces, it is possible to attach different bits on the car body, matching the dent removal method that follows.

Available options:

- Contact pieces for wiggle wire
- Contact pieces for U-discs
- Contacts for T-pins
- Contacts for bolts
- Contacts for upsetting metal
- Contact pieces for welding bits

The welding gun can be connected to a transformer e.g. WS60 transformer or AP95 transformer.

Mains voltage	Open-circuit voltage	Power max.	Welding current max.
230/400 V 50/60 Hz	7 V	6 kVA	1.1 kA

Work Station WS60

APPLICATION



COMPLETE DENT REMOVAL STATION FOR CAR BODY REPAIR

The parameters for time and power can be set separately and individually for the repair process.

ANNEALING FUNCTION

WELDING FUNCTION FOR
U-DISCS
STUDS
T-PINS
TRIANGLE WASHERS

EASILY UNDERSTANDABLE DISPLAY

EASY AND SIMPLE OPERATION

SETS AND INDIVIDUAL PARTS ON PAGE 118-119

Mains voltage	Open-circuit voltage	Power max.	Welding current max.
110/400 V 50 Hz	12 V	3 kVA	2.7 kA

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Airpuller AP95

Airpuller AP95 & transformer

Item no. 932325

Detailed information on page 114-115

Scope of delivery:

- 1 × transformer
- 1 × Airpuller AP95
- 1 × trolley
- 1 × multi-slide hammer
- 1 × electrode set 5 + 1 pcs.
- 1 × diamond file
- 1 × triangle washers 15 pcs.



Transformer 230/400 V

Item no. 353007

Flexibly adjustable to the local power supply

- 1-phase 220-240 V
- 3-phase 400 V

Note:

The transformer is factory-set for the 400 V three-phase mains.

Scope of delivery:

- 1 × transformer
- 1 × ground cable 4 m
- 1 × ground lug



Airpuller AP95

Item no. 351001

Stepless adjustable pulling height

Note:

Compatible with the spot welder InvertaSpot GT Automatic and the WS60 transformer

Operating pressure	Ø Air connection inside	Sound pressure level	Vibration
6-8 bar	> 4 mm	66 dB(A) DIN45635	< 2,5 m/s ²



Set Airpuller AP95 + transformer

Item no.	Voltage
352011	230 V
352012	400 V



Trolley

Item no. 358030

Transport trolley for the Airpuller AP95 and transformer



Note:

Delivery WITHOUT Airpuller AP95 and transformer



Airpuller AP95 accessories



Electrodes for Airpuller AP95

Item no.	357002	357001	357000
Name	Electrode set AP95 steel + copper 6-piece	Copper electrode AP95	Welding electrodes AP95
QTY /	1 pc. /	1 pc. /	5 pcs. /



Diamond file halfround

Item no. 358118

To grind the electrode caps



Multi-slide-hammer

Item no. 351080

The all-rounder!
Enables fast dent removal with the triangular washer and additionally the welding of wiggle wire.

Extendable by further contact pieces for welding of

- U-discs
- T-pins
- bolts



Powerlift + electrode holder for AP95

Item no. 351050

The proven Airpuller AP95 complement for deep and large body dents / dings.

Application:



Electrode holder for Powerlift

Item no. 358060

For mounting 35 mm and 65 mm electrodes to the Powerlift



Electrodes for Powerlift

Item no.	357022	357023
Length	35 mm	65 mm
QTY /	4 pcs. /	3 pcs. /



Work Station WS60

Work Station WS60

Item no. 352060

Detailed information on page 114-115

Scope of delivery:
 1 x transformer WS60
 1 x trolley
 1 x Welding gun PSP
 1 x Dent pulling hammer
 1 x Assortment box*

* For details, see Item no.: 358000



Welding gun PSP60 inkl. control line

Item no. 351070

Gun for welding pins, bolts, washers & wiggle wire.
 Also for upsetting sheet metal and working with carbon electrodes.

Note:
 Also compatible with the AP95 transformer.



Dent pulling hammer | 1.1 kg

Item no. 358037



Trolley WS60

Item no. 352062

Trolley for the WS60 workstation



Assortment box

Item no. 358000

Scope of delivery:
 1 x contact pc. for studs 5 / 6 mm
 1 x contact pc. for T-pins
 1 x contact pc. for u-discs
 1 x copper electrode
 1 x triangle washers (20 pcs.)
 1 x U-discs (50 pcs.)
 1 x studs M5 x 18 (50 pcs.)
 1 x studs SelfLock 5 x 19 mm (50 pcs.)
 1 x studs SelfLock 5 x 13 mm (50 pcs.)
 1 x T-pins 3 x 3.2 mm (50 pcs.)
 1 x T-pins 3 x 4.5 mm (50 pcs.)
 1 x allen key



Contact pieces for welding gun PSP

Item no.	497014	497015	497019	497021	497023	497017	507034
Application	Wiggle wire	U-discs	T-pins	Studs 2-2.5 + 4 mm	Studs 5 + 6 mm	Upsetting metal	Weld-on bits Line Puller
QTY /	1 pc. /	1 pc. /	1 pc. /	1 pc. /	1 pc. /	1 pc. /	1 pc. /
							

Carbon electrode for welding gun PSP

Item no. 297107

Diameter: 9.5 mm
 Length: 305 mm



Accessories PSP60



Quickpull-slide-hammer I Set

Item no. 501040

Note:

Only suitable for spot welding gun InvertaSpot ATM/ATL

Scope of delivery:

- 1 x Slide-hammer
- 1 x Contact piece for triangular washers
- 5 x triangular washers



Quickpull-slide-hammer I Set

Item no. 478100

Note:

Only suitable for the InvertaSpot GT and the welding gun PSP60 (351070)

Scope of delivery:

- 1 x Quickpull-slide-hammer GT (M14)
- 1 x Contact piece for triangular washers (M14)
- 1 x Hook for U-discs
- 1 x U-discs (100 pcs.)
- 5 x triangular washers



Quickpull-slide-hammer M14

Item no. 501025

Note:

Only suitable for the InvertaSpot GT and the welding gun PSP60 (351070)

Scope of delivery:

- 1 x Quickpull-slide-hammer GT



Contact piece for triangular washers

Item no.	501031	501033
Thread	M10	M14
QTY /	1 pc. /	1 pc. /



Hook for U-discs

Item no.	501034
Thread	M14
QTY /	1 pc. /



Consumables | for steel

Item no.	297013	297009	497028	821010	821011
Name	Triangular washers	U-discs DIN 125	U-discs copper plated	Line Puller Steel Welding Bits straight	Line Puller Steel Welding Bits twisted
QTY	15 pcs.	100 pcs.	100 pcs.	800 g (+/- 110 pcs.)	800 g (+/- 110 pcs.)



Line Puller 1250 I Set

Item no. 821102

The Line-Puller which has a length of 1250 mm is designed to be used on areas and edges with extensive damages over long distances. Despite its length the Line-Puller can be operated by one person without any problems. Due to the integrated range spring, the height of the damaged sheet metal, or the edge, can be reliably measured with a non damaged part of the vehicle.

Scope of delivery:

- 1 x aluminum bar 1250 mm with straight feet
- 1 x pulling device with 2 hooks
- 1 x pulling device with 3 hoods
- 1 x pulling rod set 4 pieces | Ø 8 mm
- 2 x suction cup holders
- 1 x measuring spring bar



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Accessories AP95 & PSP60

Wiggle wire

Item no.	507030	507031
QTY	10 pcs.	50 pcs.



Wiggle wire accessories

Item no.	507035	507040	561190
Name	Wiggle wire welding electrode	Wiggle wire magnetic holder	Vice Grip for Wiggle Wire
QTY	1 pc.	1 pc.	1 pc.



Maxilift + 3-finger claw

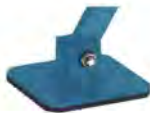
Item no. 351060

For quick dent removal of bodywork damage with the aid of the leverage effect.



Accessories Maxilift / Powerlift

Item no.	354105	354110	358050	358200
Name	Rubber plate	Handle	3-finger claw	Magnetic Clamp
QTY	1 pc.	1 pc.	1 pc.	1 pc.



WS Handpuller Set

Item no. 351010

For small and medium body repair work.



Welding electrode for WS Handpuller

Item no. 354055



Accessories AP95 & PSP60



Dent pulling hammer + Bi-puller + Coupling

Item no. 502002

Perfect set for pulling and straightening by using wiggle wire



Accessories

Item no.	501005	504011	504012	508021	501009
Name	Pulling hammer 4 kg with round hook	Round hook	Long nut	Coupling Bi-Puller	Bi-Puller 9-finger claw
QTY	1 pc.	1 pc.	1 pc.	1 pc.	1 pc.



Pulling hammer with round hook

Hook

Item no.	511300	511301	511310
Weight	5 kg	9 kg	extra strong



Transformer accessories

Item no.	358410	358411	358400	354400
Name	Ground cable 2 m Dinse DIX SK 35	Ground extension cable 2 m	Magnetic chassis ground MC95	Contact sleeve for magnetic chassis ground MC 95
QTY	1 pc.	1 pc.	1 pc.	1 pc.





**HIGHER
PROCESS RELIABILITY**

MORE EFFICIENCY

FLEXIBILITY

**SHORTER
REPAIR TIME**

**LESS PHYSICAL
STRAIN AND EXHAUSTION**

REPAIR SYSTEM FOR STEEL AND ALUMINIUM

The extremely low weight of the CBR pulling components considerably reduces the effort required for everyday straightening work. A panel beater can easily work alone with the Strong- or Line-Tool. Compared to other systems, the application of the pulling tools – especially when working overhead – is radically easier and absolutely fatigue-free.

CBR
CARBON BODY REPAIR SYSTEM

Carbon Body Repair System CBR

Item no. 821522

Scope of delivery:

CBR-029	System wagon
CBR-C1	Welding inverter(CE)
CBR-ST-00	Strong-Tool
CBR-ET-00	Easy-Tool
CBR-LT-00	Line-Tool 160
CBR-LV-00	Lever-Tool
CBR-ZH-01	Pullhammer S
CBR-ZH-02	Pullhammer M
H01-HG	Bumping hammer small (330 g) Rubber cap
H03-H	Bumping hammer large (555 g/horizontal)
H03-V	Bumping hammer large (555 g/vertical)
CM-023	Paint removal kit (incl. special flex. backing pad)
CM-024	Bit-Cutter (incl. Retrofit kit; M-02;MB-02; MB-3; MB-4; MB-5)
CM-060	Small accessories set
CM-025	Pulling rods 7 mm
CM-026	Pulling rods 8 mm
CBR-00	User manual



AluRepair Visar

Item no. 821506

With the proven, absolutely process-safe drawn arc method with up to 1,200 A welding current and the patented welding gun, various types of studs can be welded on a wide range of steel and aluminum alloys.

Scope of delivery:

CMA-1200	Power unit CMA-1200 for drawn arc stud welding
	Welding gun with bit holder, hose package, gas hose
CMA-142	System cart
CMA-160	Pressure regulator
CMA-252	Gas hose
CMA-150	Pyrometer
CMA-137	Alu-Bits-Set (14 types á 50 pieces)
CMA-170	Stud chuck 4 mm
CMA-171	Stud chuck 5 mm
CMA-172	Stud chuck 6 mm
CMA-175	Stud chuck 8 mm
CMA-176	Stud chuck 10 mm
CMA-177	Gas tube 42 mm for studs 4 / 5 / 6 mm
CMA-175-1	Gas tube 48 mm for studs 8 mm
CMA-176-1	Gas tube 58 mm for studs 10 mm
CMA-178	Stud chuck 4 mm for extractor studs
CMA-179	Stud chuck 5 mm for extractor studs
CMA-181	Stud chuck 6 mm for extractor studs
CMA-178-1	Gas tube 110 mm for extractor studs
CMA-155	Pincers for Alu-bits
CMA-120	Pull-hook for Easy-Puller
CMA-130	Temperature indicator stick
MS-U-B16	Shrinking tip aluminium (12 x 72 mm)
MS-U-B17	Shrinking tip aluminium (12 x 72 mm)



AiroPower pneumatic press | Standard-Kit

Item no. 821150

The AiroPower is a universal tool for every body professional. In combination with the Miracle system, the press exploits its full potential.

Scope of delivery:

1 x	AiroPower pneumatic press
1 x	19205P Male connector
2 x	19206P Female connector
1 x	19207P Rubber flex head
1 x	19208P Serrated saddle
1 x	19209P Flat base
1 x	19210P Collar toe
1 x	19211P Plunger toe
1 x	19212P V-Base
1 x	19213P Wedge head
2 x	19214P-V Pull hook
1 x	19216PS Connector kit
1 x	19217P Stopper pin
1 x	19260P Extension tube 125 mm
1 x	19261P Extension tube 170 mm
1 x	19262P Extension tube 300 mm
1 x	19263P Extension tube 500 mm
1 x	19245P-V Product case



AiroPower Economy-Kit | 19 pieces

Item no. 821106

Scope of delivery:

2 x	19220P Adjustable body spoon
1 x	19234 P AiroPower clamp
1 x	19235P Multi clamp
2 x	19236P AiroPower clamp, wide
2 x	19237P Grooved foot
1 x	19260P Extension tube 125 mm
1 x	19261P Extension tube 170 mm
1 x	19262P Extension tube 300 mm
1 x	19263P Extension tube 500 mm
1 x	19273P Connecting plate
2 x	19274P Single adapter
2 x	19275P Double adapter
1 x	19277P Propeller
1 x	30310 Metal case L (Longbox)



CBR Gluing technology

Round deformations without body edges are pulled flat by the large-area connection of the gluing pads with the panel metal. Thus this you can pull out the material softer and gentler. The gluing technique is ideal for damage to sills, side panels, hoods or the rear part. Up to 80% of the deformation can thus be formed back in an extremely short time.

The gluing technology perfectly complements the already existing tensile components and the AiroPower pneumatic press. The glue set is usually amortized as a result of the high time savings in the repair of the first damage.

Miracle GlueTech Plus | Gluing Kit MGT-400

Item no. 821395



Scope of delivery:

- 1 x MGT-401 Case to Miracle GlueTech Plus
- 2 x CGP-902 Special glue
- 1 x CKS-302 Special cleaner (250ml)
- 1 x CKS-303 Gluing gun Gluematic
- 3 x MGT-200 GlueTech Plus gluing pads set | blue
- 1 x MGT-10 GlueTech Plus connecting plate
- 3 x MGT-11 GlueTech Plus pull strip | blue

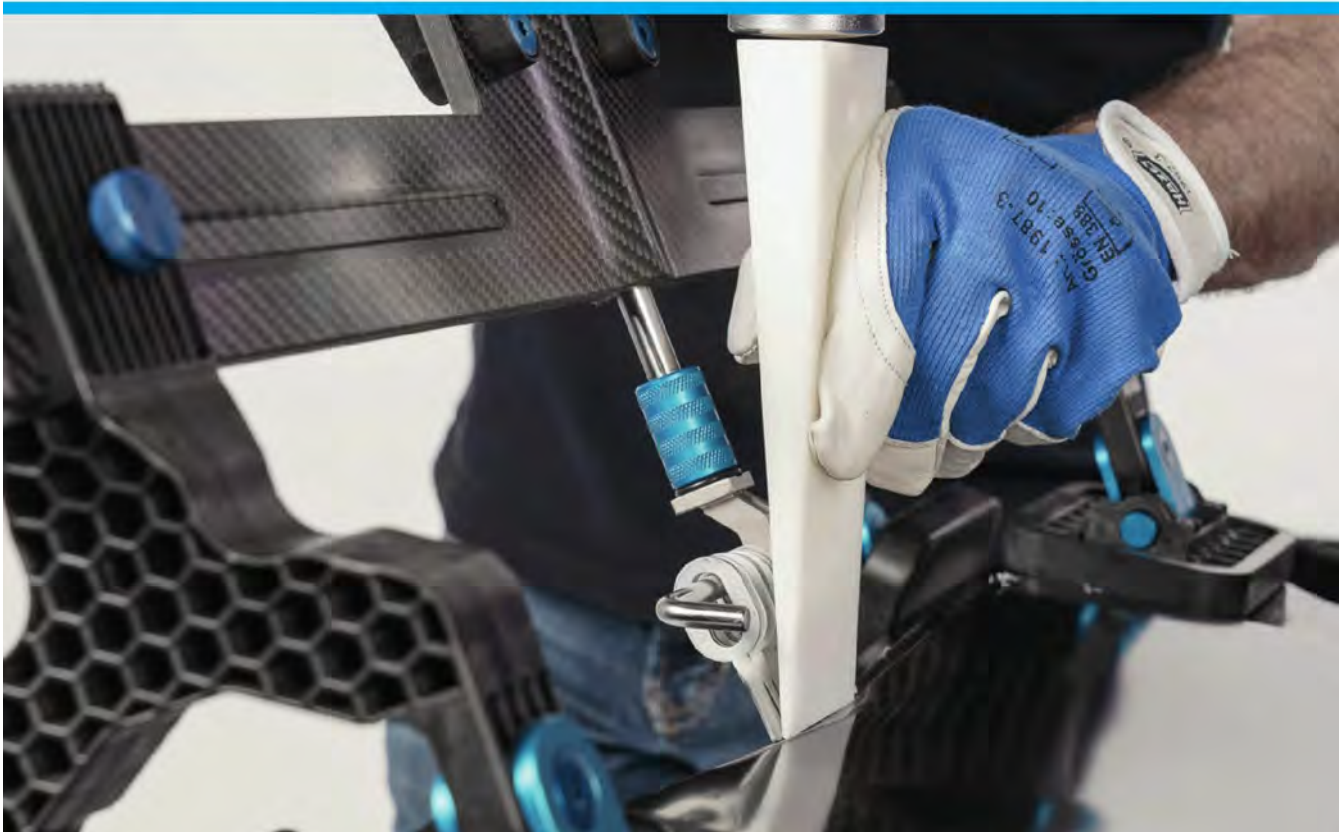
Miracle Gluing Kit | MKS-100

Item no. 821101



Scope of delivery:

- 1 x CKS-304 Case
- 2 x CGP-902 Special glue
- 1 x CKS-302 Cleaner (250 ml)
- 1 x CKS-303 Glue gun Gluematic
- 2 x B-200 Gluing pads set blue / medium
- 1 x S-300 Gluing pads set black / hard
- 1 x CZ-122b Plastic wedge for the removal of glued pads



Clamps



Clamps					
Item no.	511311	511312	511314	511315	511319
Name	Angle clamp 90°	Mity-Bite clamp large	Mini-Byte clamp small	Double-sided clamp	Mity-Bite clamp with ring loop
QTY	1 pc.	1 pc.	1 pc.	1 pc.	1 pc.



Pulling clamps self-locking			
Item no.	511420	511421	511424
Name	Pulling clamp K210 small self-locking	Pulling clamp K211 large self-locking	Pulling clamp K214 lateral self-locking
QTY	1 pc.	1 pc.	1 pc.



Item no.	511317	511325	511429	501310
Name	Chain shortener	Claw hook	Holder for Hook and Clamp	Nylon pulling belt 1200 x 80 mm
QTY	1 pc.	1 pc.	1 pc.	1 pc.



Spare parts for Mity-Bite clamp				
Item no.	514001	514003	514004	514005
Name	Cone	Screw set	Wing nut	Spare jaws incl. screws
QTY	1 pc.	1 pc.	1 pc.	1 pc.



Vice Grips

Vice Grips			
Item no.	561151	561152	561153
Name	Vice Grip 145 U-shape	Vice Grip 144	Vice Grip 224 with swivel pads
QTY	1 pc.	1 pc.	1 pc.



Vice Grips			
Item no.	561150	561154	561157
Name	Vice Grip 112 straight jaws 5"	Vice Grip 111 curved jaws 10"	Vice Grip long jaws - 81 mm
QTY	1 pc.	1 pc.	1 pc.



BESTSELLER



Vice Grips axial			
Item no.	561181	561182	561183
Name	Vice Grip Axial DW	Vice Grip Axial DS	Vice Grip Axial D
QTY	1 pc.	1 pc.	1 pc.



Item no.	561184	561185	561186
Name	Vice Grip Axial T	Vice Grip Axial WS	Micro Grip 2000 Length: 90 mm
QTY	1 pc.	1 pc.	1 pc.



BESTSELLER

Vice Grips spezial			
Item no.	561190	561191	561230
Name	Vice Grip for wiggle wire	ErgoGrip	Clamping pliers N°2 - 300 mm
QTY	1 pc.	1 pc.	1 pc.



BESTSELLER

Punch and Flange Pliers



Punch and Flange Pliers			
Item no.	561001	561005	561002
Name	Punch and Flange Pliers mechanical Ø 5 mm	Flange Pliers flat shape	Punching hand pliers 6 x 20 mm longitudinal holes
QTY	1 pc.	1 pc.	1 pc.



Punch and Flange Pliers			
Item no.	561021	561022	561023
Name	Hole punching pliers mechanical Ø 5 mm	Hole punching pliers mechanical Ø 6 mm	Flange pliers mechanical for rounded areas
QTY	1 pc.	1 pc.	1 pc.



BESTSELLER

Spare parts	
Item no.	Name
564008	Punch Ø 6 mm for mechanical punching pliers
564009	Die Ø 5 mm for mechanical punching pliers
564010	Die Ø 6 mm for mechanical punching pliers
564011	Bearing-bolt with washer for mechanical pliers
564013	Allen screw M 3 x 3 for mech. punching pliers
564016	Distance-collar Ø 5/6 mm for mech. punching pliers

Punch and Flange Pliers pneumatic		
Item no.	561090	561091
Name	Hole punching pliers pneumatic Ø 5 mm	Hole punching pliers pneumatic Ø 6 mm
QTY	1 pc.	1 pc.



Spare parts	
Item no.	Name
564001	Piston for pneum. punching pliers
564003	Head Ø 6 mm for pneum. punching pliers

Chain pipe cutter

Item no. 561025

Chain pipe cutter for pipes with a diameter of 15 - 75 mm.
For cutting pipes, especially V2A steel up to 2.5 mm wall thickness. During cutting, you can easily adjust the pliers with the wing screw.



Crimping pliers

Crimping pliers set | 3-piece

Item no. 561020

Sturdy professional design with ergonomic handles

- For finishing and flanging of wheel arches
- For flanging of edges on door panels
- Perfect radius at the bending edge

Scope of delivery:
 1 × Crimping pliers size 1 | shape narrow & short | Item no. 561015
 1 × Crimping pliers size 2 | shape wide & short | Item no. 561016
 1 × Crimping pliers size 3 | shape wide & long | Item no. 561017



Crimping pliers set | 5-piece

Item no. 561010

For sheets up to 1.5 mm

- For finishing and flanging of wheel arches
- For flanging of edges on door panels
- For opening the seams on door panels, etc.
- Perfect radius at the bending edge

Scope of delivery:
 1 × Crimping pliers size 1 | shape narrow & short | Item no. 561015
 1 × Crimping pliers size 2 | shape wide & short | Item no. 561016
 1 × Crimping pliers size 3 | shape wide & long | Item no. 561017
 1 × Crimping pliers size 4 | 90° angled shape | Item no. 561018
 1 × Seam opening pliers size 5 | Item no. 561019



Crimping pliers			
Item no.	561015	561016	561017
Name	size 1 narrow & short	size 2 wide & short	size 3 wide & long
QTY	1 pc.	1 pc.	1 pc.



Item no.	561018	561019	561014
Name	size 4 90° angled	seam opening pliers	size 6 wide & short with gap
QTY	1 pc.	1 pc.	1 pc.



INITIAL USE: **PORSCHE PANAMERA**

Smart Repair



Plastic Repair Kit

Item no. 391300

For the professional repair of typical plastic damage on bumpers, fenders, etc.

Hot air gun:

- Electronically controlled, digital temperature setting from 80 - 650 °C.
- Temperature displayed in 10 °C increments via LCD display
- Air volume regulation in 2 steps from 150 - 500 l/min
- Residual heat indicator
- Warning in case of heat accumulation
- Optimized center of gravity
- Non-slip base
- Option to store in hanging position
- Replaceable power cord



Scope of delivery:

- 1 x Hot air gun
- 1 x Reduction nozzle 9 mm
- 1 x Welding nozzle
- 10 x Multi-Thermoflex - plastic welding rods
- 5 x Stainless steel wire mesh
- 1 x Heat protection disk

Accessories

Item no.	394010	394012	394014
Name	Welding nozzle	Heat protection disc	Reduction nozzle 9 mm
QTY	1 pc.	1 pc.	1 pc.



Consumables

Item no.	397010	397015	397016
Name	Multi-Thermoflex - plastic welding rods	Stainless steel wire mesh 110 x 150 mm	Stainless steel wire mesh 300 x 200 mm
QTY	20 pcs.	10 pcs.	3 pcs.



Lamps



Dent removal lamps

Item no.	388040	388042
Variant	with magnetic base	with suction cup



X-Light | 3 in 1

Item no. 881309

Rechargeable 3-in-1 Li-Ion inspection lamp with easy quick connect to change lamp heads.

- Flashlight with focus and a magnetic base
- Work light 180° forward and backward tilting
- Inspection lamp bendable with focus - length 400 mm
- Foam insert for workshop trolley
- Charging time Li-Ion battery 3-4 hours



	Flashlight	Swivel working light	Flexible inspection light
LEDs	CREE	COB	CREE
Color temperature	5800-6500 K	5800-6500 K	5800-6500 K
Brightness	100 % = 280 lm 50 % = 140 lm	100 % = 350 lm 50 % = 175 lm	100 % = 200 lm 50 % = 100 lm
Beam distance	100 % = 150 m 50 % = 35 m	100 % = 24 m 50 % = 16 m	100 % = 24 m 50 % = 10 m
Operating time	100 % = 2.5 h 50 % = 5.5 h	100 % = 2.5 h 50 % = 5 h	100 % = 5.5 h 50 % = 8 h

SMD - LED workshop lamp

Item no. 881307

The SMD features impressive 350 lumens, 180° light width and a rechargeable Li-Ion battery with 2100 mAh without memory effect for long service life.

- SMD LED sidelight and powerful LED main light
- Two suspension hooks for work from different angles
- Flexible folding mechanism (can be tilted 180 degrees)
- Two built-in powerful magnets for two different mounting positions (horizontal and vertical)
- Over- and discharge protection system (automatic shut-off mechanism)



LED hood light | 115-180 cm

Item no. 881312

Rechargeable aluminum hood light with Li-Ion battery.

- Extremely thin
- Extremely bright light
- Glare-free
- Wide light spectrum of 120°
- Adjustable aluminum holder 115 – 180 cm
- 360° Rotatable, soft, padded hook ends



LEDs	Color temperature	Brightness	Battery	Charging time	Operating time	Charger	Shock resistance
62 SMD 7 W	5650 - 6500 K	100 % = 1000 lm	3.7 V DC 4.4 Ah Li-Ion	5 h	100 % = 3 h	Micro USB 1 A 5 V	IK08

Cree Pen Light 4000 - LED Flashlight

Item no. 881308

- Shock resistant (approx. 1 m drop height)
- Splash-proof (IP65)
- 160 lumens
- 50 m range
- 24 h operating time





FAST
RELIABLE
ACCURATE

Measuring technology for car body repair

Ideal for assessing damage, measuring structural damage or checking dimensions after body repair. Simply extend the telescopic tubes and conveniently read the distance between two body measuring points on the analog display of the AUTO-Messfix.

AUTO-MESSFIX
TELESCOPIC DIPSTICK

AUTO-MESSFIX

Item no.	871001	871002	871004	871006
Length	920-2610 mm	415-925 mm	950-3260 mm	990-4000 mm
VE	1 pc.	1 pc.	1 pc.	1 pc.

AUTO-MESSFIX accessories

Item no.	871008	874020	874021	874024	874026	874027
Length	Measuring cone	Measuring tip straight	Measuring tip angled	Locking screw	Measuring tube 20-280 mm	Holder for measuring tube
VE	1 pc.	1 pc.	1 pc.	1 pc.	1 pc.	1 pc.



Profile template contour gauge | 1 m (5 x 20 cm)

Item no. 861020

The template - standard length 200 mm - is a profile scanner which can theoretically be assembled and extended indefinitely. This results in increased accuracy and enormous time savings when transferring contours. Due to the flat and even contact of the template, the profile line can be easily traced over onto the workpiece which is to be adapted. The stencil can be adjusted in all directions by means of the enclosed setting angle. The scanned profile can be secured and transported in the case.



Item no.	871011	861001
Name	Gap gauges 3 pcs.	Contour gauge plastic 250 mm
VPE	1 pc.	1 pc.



Tel. +49 (0) 7464 9898 0

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Hammers

Aluminium hammer set | 4-piece

Item no. 512002

Aluminum hammers in four different sizes **for car body repair**.



Hammers

Item no.	511020	511021	511025	511026
Name	Bumping hammer 300 g	Bumping hammer 400 g	Goldsmith hammer	Finishing and grooving hammer
QTY	1 pc.	1 pc.	1 pc.	1 pc.
				BESTSELLER

Hammers

Item no.	511027	511023	511028	511029
Name	Wooden mallet N°3 500 g	Wooden mallet N°2 350 g	Plastic hammer recoilless	Soft-face hammer recoilless
QTY	1 pc.	1 pc.	1 pc.	1 pc.
BESTSELLER				

Hammers

Item no.	511030	511031	511032	511033
Name	Aluminium hammer	Hammer elastonal recoilless	Dolly hammer 3 areas	Dolly and planishing hammer
QTY	1 pc.	1 pc.	1 pc.	1 pc.
BESTSELLER				

Hammers

Item no.	511035	511034	511039	511040
Name	Dolly hammer twist head	Hammer with nylon heads	Planishing hammer	Locksmith's hammer 300 g
QTY	1 pc.	1 pc.	1 pc.	1 pc.
BESTSELLER				

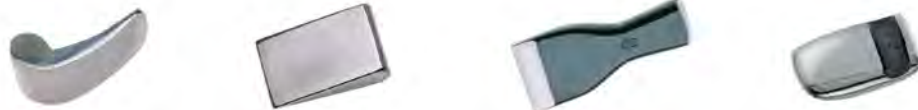
Dollies



Item no.	512001	511002	518001
Name	Body chisel incl. handle	Body chisel	Body chisel handle
QTY	1 pc.	1 pc.	1 pc.



Dollies				
Item no.	511100	511102	511103	511105
Name	Wedge shape - roof dolly 1150 g	Wedge shape 900 g	Hatchet shape 1600 g	Flat shape 950 g
Dimensions	Length = 130 mm	112 x 64 mm	192 x 45 x 77 mm	106 x 60 x 25 mm
QTY	1 pc.	1 pc.	1 pc.	1 pc.



Dollies				
Item no.	511110	511111	511112	511113
Name	Toe shape 1200 g	Toe shape Cross-milled face 1100 g	General purpose dolly 1100 g	Heel shape 1050 g
Dimensions	115 x 60 x 28 mm	125 x 55 x 25 mm	75 x 55 x 57 mm 60 x 45 x 57 mm	80 x 60 x 35 mm
QTY	1 pc.	1 pc.	1 pc.	1 pc.



Dollies				
Item no.	511114	511117	511119	
Name	Diabolo shape 850 g	Daimler shape 1500 g	WS P universal 760 g	
Dimensions	Ø 60 x 55 mm	105 x 50 x 50 mm	120 x 56 x 21 mm	
QTY	1 pc.	1 pc.	1 pc.	



Body spoons & pry bars

Item no.	511220	511221	521102
Name	Body spoon heavy curved	Body spoon with cambered, almost flat working surface	Body spoon K with bush-hammered, rectangular work surface and plastic handle
Dimensions	150 x 50 mm	200 x 60 x 30 mm	350 x 36 x 36
QTY	1 pc.	1 pc.	1 pc.



Item no.	511201	511202	511204	511206
Name	Pry bar extra strong	Pry bar	Pry bar with rolling head nickel-plated	Pry bar 400 all-purpose nickel-plated
QTY	1 pc.	1 pc.	1 pc.	1 pc.



Item no.	561030	531100	531101
Name	Nipper pliers heavy duty	Snips 260 mm left	Snips 260 mm right
QTY	1 pc.	1 pc.	1 pc.



Item no.	523222	521201	521203
Name	File Set 6-pieces	File incl. handle medium cut 1	File incl. handle fine cut 3
QTY	1 pc.	1 pc.	1 pc.



Files



Files				
Item no.	521210	521231	521240	521230
Name	Bodywork file holder	Wooden body file straight	File holder 350 mm	Wooden body file half-round
QTY	1 pc.	1 pc.	1 pc.	1 pc.



File blades for 521210, 521231 & 521240					for 521230
Item no.	521211	521212	521213	521214	521225
Name	File blade diagonal cut Z2 - medium	File blade radial cut Z1 - coarse	File blade radial cut Z2 - medium	File blade radial cut Z3 - fine	File blade half-round
QTY	1 pc.	1 pc.	1 pc.	1 pc.	1 pc.



Wire hand brush		
Item no.	541211	541212
Material	stainless steel	stainless steel
QTY	1 pc.	1 pc.



Dolly WS 93 - Dent Removal Set

Temporary fasteners

Item no.	577108	577104	577109	577106	577107	577110
Ø	2.5 mm	4.1 mm	4.7 mm	6.0 mm	6.35 mm	8.0 mm
QTY	20 pcs.	20 pcs.	20 pcs.	30 pcs.	20 pcs.	20 pcs.



Dolly WS 93 - Dent Removal Set

Item no. 582001

1 Powerful dent removal block:

For dent removal in extreme places and curves, even strong sheet metal. Ideal for straightening profiles on fenders and side panels as well as front and rear panels.

2 Handy and light conical bar:

Effortless removal of beads and edges, straightening of dents. Can also be used as a powerful lever.

3 Universal cube:

The uni cube surprises with its shape. By using the groove, seams and profiles can be straightened laterally and also in height. It is also an important fitting aid for hoods and trunk lids.

4 Special profile wedge:

The design gives the profile wedge variable application possibilities. Due to the 90° impact edge, steel sheets are precisely straightened. In addition, clean and damage-free work on various body parts. Can also be used for precision work in particular.

Scope of delivery:

- 1 × Powerful dent removal block
- 1 × Handy and light conical bar
- 1 × Universal cube
- 1 × Special profile wedge



Item no.	581001	581002	581003	581004
Name	Powerful dent removal block	Handy and light conical bar	Universal cube	Special profile wedge
QTY	1 pc.	1 pc.	1 pc.	1 pc.



Clip pliers

Item no. 561029

For the removal of clips from door panels. Remove clips without damaging the delicate door panels. In many cases, the clips can be reused.



Fix-Cut



Fix-Cut 1 - Scraper blades set

Item no. 547032

- Professional scraper blades
- Compact handle excellently transmits the force
- Convex back - for removing PU adhesive according to instructions
- Rounded side wings of the blades
- Perfect individual tuning of blade sharpness
- The correct adhesive thickness is retained for re-gluing

Scope of delivery:
 2× 20 mm scraper (547033)
 2× 25 mm scraper (547034)
 2× Handle
 1× Grinding stone
 1× Allen key
 1× Transport case



Fix-Cut 2 - Contour blades set for general purposes

Item no. 584036

The universal contour blade set is suitable for removing PU adhesives, glues and sealants under the most demanding conditions. The contour blades are made of knife steel and are extremely sharp. Special comfort is provided by the compact handle with finger protection pad. Blades with applications for left and right side.

Scope of delivery:
 1× Handle
 1× Scraper straight, 40 mm
 1× Scraper right 20 mm
 1× Scraper left 20 mm
 1× Scraper right 16 mm
 1× Scraper left 16 mm
 1× Scraper straight 16 mm
 1× Scraper straight 20 mm
 1× Blade straight 12 mm
 1× Grinding stone
 1× Transport case



Item no.	932700	541001	541005	541030
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Name	TFO 100 door rebate remover	Hard metal scraper 3-edges 24 mm	Hard metal scraper 50 mm	Deburring tool
QTY	1 pc.	1 pc.	1 pc.	1 pc.



Item no.	932702	547001	547005	547030
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Name	Spare blades TFO 100	Spare blade 3-edges	Spare blade 50 mm	Spare blade deburring tool
QTY	5 pcs.	1 pc.	1 pc.	1 pc.



Trim and mounting wedges

Trim and mounting wedges set

Item no. 581100

Simple and quick removal of decorative strips and removal of shaft strips on windows and doors. Also a practical lever for fitting doors and adjusting painted sheet metal parts. Paint, plastic and metal parts do not get damaged. Quick removal of door panels, plugs and clip connections. For removing the buttons on heaters, radio etc., as well as for removing the interior mirrors. Made of impact-resistant special plastic.



Scope of delivery:

- 1 x Trim wedge - white
- 1 x Trim wedge - extra wide
- 1 x Trim wedge - white, with felt overlay
- 1 x Mounting wedge - gray
- 1 x Trim wedge - black

Item no.	581101	581102	581103	581104	581105	581106
Name	Trim wedge white	Trim wedge extra large	Trim wedge white with felt	Trim wedge grey	Trim wedge black	Trim wedge laterally wedge-shaped
QTY	1 pc.			1 pc.	1 pc.	1 pc.



Scraper and mounting wedges

Item no. 581110

Removal from:

- Rear view mirrors
- Balance weights of alloy rims
- door panels
- closing plugs
- upholstery

The mounting wedges made of fiberglass allow easy removal without protective means. There is no risk of damage to the sensitive parts.



Scope of delivery:

4-piece Set



CBR 2109



CBR 2109 | Alluvial tin replacement

Item no. 542040

CBR 2109 is a unique 2-component epoxy-based solder substitute used to restore metal surfaces of steel or aluminium. Formulated for final modelling of repulled dents or weld seams.

Properties:

- Good adhesion to aluminum, steel and zinc
- easy processing (sanding, planing)
- ideal base system for paint
- easy to mold
- great stability
- fast curing
- no collapsing or running

Recommended applications:

- Car body repairs
- Gap filling material
- Metal bonding
- Carrier system for auto-motive paints

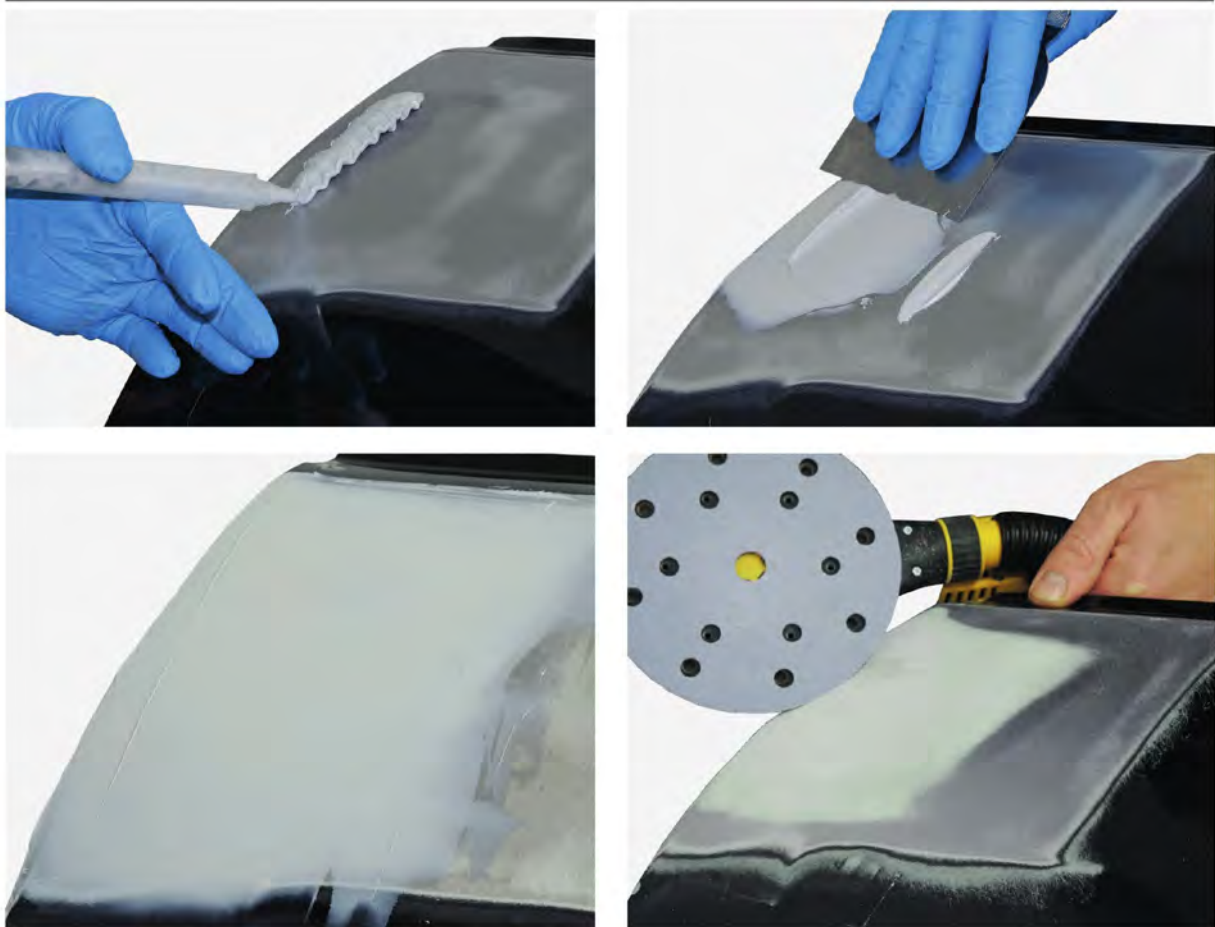


Scope of delivery:
 1 x CBR 2109 cartridge 200 ml
 3 x CBR 2109 mixing tubes

Mixing tubes CBR 2109

Item no. 542042

Scope of delivery:
 10 x CBR 2109 mixing tubes



FEDERAL AWARD 2014
for outstanding
innovative achievements
for the craft sector



- PROCESS RELIABILITY
- 100 % CONTROL
- TIME SAVING
- ENERGY SAVING
- MOBILE AND SPACE SAVING
- EASY OPERATION
- HEALTH-FRIENDLY

Drying process exactly according to manufacturer's specifications

The innovation for process-reliable curing of body adhesives, fillers and automotive windshield adhesives. Work on the vehicle body can continue during the drying process.

MULTI-HEATPAD-SYSTEM
FlexiTherm

FlexiTherm Multi-Heatpad-System

Item no. 701000

Mains voltage	Input power	Power	Frequency	Temperature range
100-240 V	360 VA max.	25 V/110 W (je Heizpad)	50/60 Hz	20-100 °C

Scope of delivery:

- 1 x Control unit 220/240 volt
- 3 x Heating pads
- 20 x Fixing magnets
- 50 x Sheets of non-stick paper
- 1 x Roll of adhesive tape (25 m)
- 1 x CD-ROM with FT Control software
- 1 x USB cable
- 1 x Instruction manual
- 1 x Carrying case



FlexiTherm accessories

Item no.	701055	701051	701052
Name	Fixing magnets	FIX-Tape Adhesive tape for alu, glass, etc.	FIX-Tape Adhesive tape for alu, glass, etc.
QTY	10 pcs.	25 m	50 m



FlexiTherm accessories

Item no.	701050	701060
Name	Non-stick paper	Heating pad
QTY	50 pcs.	1 pc.



Aluminum 2-component filler



Japan scraper set | 4-piece

Item no. 541020

For applying as well as smoothing filler and plaster.



Teroson spatula

Item no. 541011

With stainless steel reinforced handle-end



Brushes

Item no.	541101	541103	541250	541290
Name	Brush G10 long-bristled	Flat brush G5	Flat brush nylon 3M	Paint brush size 2
QTY	1 pc.	1 pc.	1 pc.	1 pc.



Dust cloth | 600 x 350 mm

Item no. 541280

General-purpose dust-binding cloth with effective adhesive formula for all cleaning tasks prior to the application of base materials and conventional topcoat products. Due to the use of modern spunbond technology, this cloth is extremely low linting and does not fray.

Scope of delivery:
10x Dust cloth



W+S 2-C Aluminium-Plastic set

Item no. 542050

The aluminum 2-component filler was specially developed for the repair of damaged, aluminum car bodies. The metal filler is easy to draw and sand and has high stability and temperature resistance, making it particularly suitable for overpainting.

Scope of delivery:
1 x Metal powder 1000 g
1 x Hardener liquid 350 g
1 x Skin protection cream
1 x Protective gloves
1 x Mixing cup
2 x Wooden spatulas



Item no.	542051	542052
Name	W+S 2-C Aluminium Plastic (metal powder) 1000 g	Hardener liquid for W+S 2-C ALU 350 g
QTY	1 pc.	1 pc.



W+S 2-C Steel-Plastic set

Item no. 542055

Metal filler for the finishing process after dent removal. The mixing ratio can be dosed variably according to the area of application.

Scope of delivery:
1 x Metal powder 1130 g
1 x Hardener liquid 220 g
1 x Skin protection cream
1 x Protective gloves
1 x Mixing cup
2 x Wooden spatulas



Gas burners

Propan burner set incl. wooden box

Item no. 802001

The complete set with all important and necessary accessories including pressure reducer for small and also large gas bottles.

- | | |
|----------------------------|--|
| Scope of delivery: | 1 × Quick connection valve |
| 1 × Wooden case | 1 × Hook |
| 1 × Handle straight | 1 × Refill adapter |
| 1 × Pointed burner 9 mm | 1 × Regulator-valve small 2 bar 7 kg DIN/combi |
| 1 × Cyclone burner 18 mm | 1 × Regulator-valve large |
| 1 × Hot air burner | 1 × HP hose 2 m 4.4 mm |
| 1 × Gas bottle | 1 × Open-end wrench |



Power Jet - burner set

Item no. 802100

- Scope of delivery:
- 1 × Power Jet with cyclone burner
 - 1 × Gas bottle 2000
 - 1 × Refill adapter



Gas bottle 2000

Item no. 808020

Refillable propane gas cylinder made of high quality steel. The bottle is corrosion-protected on the inside and has a protective coating on the outside. It is equipped with type approved valves and has a safety valve to prevent overpressure.



1000 ml capacity

Handles

Item no.	801100	808001
Name	Power Jet with cyclone burner	Burner handle
VE	1 pc.	1 pc.

Suitable for all types of brazing, soldering, shrinking and all other heating operations.



The PowerJet operates with a variety of gas mixtures. These include: Propane-Butane mixtures, Sievert Ultra gas, as well as Mapp® and Ultramapp gas for high flame temperatures.



Automatic piezo ignition guarantees more than 30,000 ignitions. Universal handle with integrated piezo ignition with on/off function.

Rotatable hose connection prevents twisting of the hose. Connection R3/8 „li.

Burners

Item no.	808100	808003	808004	808005
Name	Cyclone burner	Pointed burner bent	Hot air burner bent	Cyclone burner bent
VE	1 pc.	1 pc.	1 pc.	1 pc.

For brazing and soldering work. The powerful whirling flame ensures an even heating.



Power at 2 bar- 2.2 kW
Hard soldering at 2 bar - Ø 18 m

Soft soldering at 2 bar - Ø 40 mm
Gas consumption at 2 bar - 170 g/h



very fine flame for precision brazing

for all work where an open flame would cause material damage

rotating vortex flame guarantees even heating of the material

Tinning

Accessories

Item no.	808021	808022	808023	808027	808028
Name	Quick connect valve for gas bottle	Pressure regulator valve Cylinder connection & Hose connection R3/8" II	Pressure regulator valve Cylinder connection DIN Combi Hose connection R3/8" II	Refill adapter DIN Combi Connection: DIN Combi M14 x 1.5	excess flow cut-off valve Connection: R3/8" x R3/8" II
VE	1 pc.	1 pc.	1 pc.	1 pc.	1 pc.

Pressure regulator with fixed working pressure of 2 bar.
Maximum flow rate is 6 kg/h.



High pressure hose

Item no. 808025

High pressure hose according to DIN 4812 made of rubber with textile insert.
The special rubber compound is frost-resistant and thus allows work down to -30 °C.
For all soldering work up to a working pressure of 2 bar.
Pre-assembled with hose connections R3/8" Ie.



WS Tinning set

Item no. 812005

The complete set for tinning.
Bar tin - 25% lead content

Scope of delivery:

- 1 x Power Jet with cyclone burner
- 1 x gas bottle empty (f. propane or butane)
- 1 x refill adapter
- 1 x Solder paddle | oiled | round
- 1 x Solder paddle | oiled | narrow
- 1 x Solder paddle | oiled | wide
- 1 x tinning paste SN97CU3
- 1 x bar tin - 25% lead content



Bar tin | 25% lead content | 1000 g

Item no. 817010

Bar tin according to DIN EN 29453.
Can be processed very well, retains its "pasty" state for a long time.



Hot air / heating devices

Tinning			
Item no.	817003	817002	817020
Name	Tinning paste Sn97Cu3 lead free 1000 g	Tinning paste AP 644/12 lead free 1000 g	Tinning wax 1300 g
VE	1 pc.	1 pc.	1 pc.



Solder Paddles				
Item no.	812001	811002	811003	811004
Name	Solder paddle set 3-piece	Solder paddle oiled round	Solder paddle oiled narrow	Solder paddle oiled wide
VE	1 pc.	1 pc.	1 pc.	1 pc.



Hot air hand tool - Leister Electron ST3400
Item no. 801201

With improved ergonomics and therefore more working comfort. Existing nozzles can still be used. The temperature is steplessly adjustable from 40 °C (104 °F) to 650 °C (1202 °F). The air filters integrated in the handle can be easily removed and cleaned. Integrated carbon brake and heating element cover ensure workplace safety and make this heat gun a perfect tool for all job sites.

A transport case is included in the scope of delivery.



Induction heating device i-Ductor 4.0
Item no. 842110

Fast, efficient, easy to use. Ideal for removing car windows, bolts and also all types of materials glued on metal support without damaging the piece. It allows the removal of heated rear windows, side windows, mouldings, adhesives without leaving a sticky residue, damping, paint, adhesives, sealants, soundproofing material.

The inverter brings an alternating current of 230 V, 50 Hz to a high frequency, which converts the device (washer-dissolver or heating glove) into a high-frequency alternating magnetic field. The magnetic field penetrates the conductive metallic work surface (e.g. a car body sheet) and causes the electrons in the metal to oscillate according to the principle of electromagnetic induction. The kinetic energy of the electrons in motion is dissipated in the form of heat, which heats the metal in the working area of the device (about 12-25 mm). The more easily a substance magnetizes, the greater the heat that develops within it. For this reason, the i-Ductor very quickly heats ferrous metals and their alloys but does not affect glass, plastic, wood, clothing and other non-conductive materials.

- Scope of delivery:
- 1 × control unit with foot operation
 - 1 × inductor for pane
 - 1 × inductor for bolts
 - 1 × inductor for car bodys etc
 - 2 × wedges red
 - 1 × manual



Cartridge guns



Cartridge guns | 50 ml

Item no.	831100	831106
Name	MR 50 for Betamate 2096 - 50 ml	VBM (MR) 200 for Betamate 2096 - 200/215 ml
VE	1 pc.	1 pc.

The MR50 can be used with all 50 ml models of S-type and rectangular cartridges. Only one gun is needed for 25 ml, 50 ml and 75 ml cartridges.

An ergonomically shaped handle and trigger are designed to produce high force pressure with ease and comfort - even for highly viscous materials. A simple folding mechanism ensures safe and correct loading of the cartridge and provides optimal material dispensing.



EPX50

Item no.	831101	838115
Name	EPX50 for two-component body adhesive cartridges 50 ml	Mixing tube EPX for 50 ml cartridge
VE	1 pc.	1 pc.



ElectraFlow | Battery cartridge gun

Item no. 831105



For cartridges + foil bags

The ElectraFlow Plus is designed for professionals in different work areas who demand a reliable tool that delivers high performance. Pressure adjustable with locking button - noticeable relief for long seams, with high power battery (NiMH).

Advantages:

- lightweight handle and motor unit with soft cover for longer work
- new built-in storage pads to protect the gun from scratches and slippage
- easy-to-use barrel lock to prevent accidental material spillage
- covered handle (soft rubber), for comfortable and long working time
- adjustable thrust power (9 speeds) to set the speed of material discharge
- driving force up to 350 kg (3,5 KN)
- for bags up to 600 ml

Air Flow | pneumatic

Item no. 831103



Accessories ElectraFlow

Item no.	831107	831108
Name	Spare battery for ElectraFlow	Charger for battery ElectraFlow
VE	1 pc.	1 pc.



Fix magnets

Fix magnets set | 4 pcs.

Item no. 882055

The easy way to fix mounting parts and protective blankets.

Scope of delivery:
4 x Magnet
4 x Handle



Fix magnet - spare parts

Item no.	881340	881341
Name	Magnet	Handle
VE	1 pc.	1 pc.



Fixing brackets set | 3 pcs.

Item no. 882057

An accessory for the Fix Magnets to fix side trimmings, lights and side windows. Very important when bonding to keep the parts in place during drying.

Scope of delivery:
1 x Fixing bracket flat | 831245
1 x Fixing bracket flat | 831246
1 x Fixing bracket deep | 831247



Fixing brackets

Item no.	881345	881346	881347
Name	Fixing bracket flat h = 30 mm	Fixing bracket flat h = 50 mm	Fixing bracket deep h = 50 mm
VE	1 pc.	1 pc.	1 pc.



Suction lifter with T-handle and eyelet

Item no. 881350

For mounting and dismounting of rear view mirrors etc.

The solid rubber suction lifter can be used individually due to the two different adaptation options. The rubber disc with threaded insert is used on the one hand in conjunction with the eyelet for quick attachment of various end products and on the other hand in conjunction with the T-handle for lifting and transporting different materials such as glass, plastic surfaces, etc.. The rubber washer can be easily detached from the surface with the fingers due to the notch along the diameter.

Maximum load capacity 15 kg with vertical carrying direction.



Door hinge adjusting tool

Item no. 511302

Great solution for aligning welded door hinges. In no time at all, the tool encloses the hinge and the adjustment mechanism enables a connection between the hinge band and the tool without play. This makes it easy to straighten the hinge in all directions.





Easy marking and tracing of curved, round wheel arch lines, design lines on doors, windows, etc.

Extendable in size
40 - 160 mm

Sturdy metal construction

Built-in pencil sharpener

Excellent preparation for grinding

The line marker helps you trace and mark the original body lines of a vehicle in one movement. The enclosed pen marks the outer body lines of the vehicle shape, even on difficult round and curved car parts such as wheel housings, doors, etc.

Optimised sanding process due to accurate marking.

BODY LINE MARKING TOOL

Body Line Marking Tool

Item no. 871015

Application

Start by applying the putty or primer to the object, dry it, mark the object's body lines, use surface protection tape if necessary and start sanding. This is how you recreate the original body lines of the vehicle.

Scope of delivery:
1 x Body line marking tool
1 x Charcoal pencil



WS WIPER tool kit - removal tool for wiper arms

Item no. 881355



Scope of delivery:
2 x WS WIPER Tool



Flexible magnetic pick-up tool

Item no. 881320

Magnetic lifter with flexible steel shaft for picking up small parts in hard-to-reach places.

Pulling force 1800 g



