WETEC
WE TECH YOU UP!

Soldering technology

Manufacturing/ Inspection

Tools for Electronics

ESD

Solder/ Chemicals

SMT
Highlights
2022

Wetec is a young company with a long tradition.

This is no contradiction, because we have been working with the company "Dönges" since 1903 in the field of tools and later also in the field of electronics.

In 1987, we took account of the growing importance of the electronics market by outsourcing this division into Wetec. Since then, Wetec has grown steadily and developed into a nationwide system supplier for electronics production. In the meantime many European countries belong to our distribution area..

As a large trading company, we are always at the centre of the market. Competence and communication are therefore the basis for our successful work. To ensure that this succeeds at all levels, we take care of the interests of our customers with over 100 employees. Our technical sales representatives will be happy to advise you on site throughout Germany. Our office staff ensures that your orders and requests are always processed promptly and smoothly.

Not least thanks to the experienced and hard-working employees of our logistics centre, we can offer you very short delivery times.

We are looking forward to a good cooperation based on partnership.

Wolfgang Schulz
Managing Director

Thomas Pletsch
Managing Director

Ken Schmidt
Managing Director

Wetec at a glance:

- System supplier for electronics production
- over 30 years of experience
- more than 100 employees
- nationwide customer service through technical field service
- well-known brands as strong partners
- unique product portfolio
- over 120,000 products in stock at all times

- very short delivery times
- individual and customized product solutions and packages
- extensive catalogue
- modern online shop
- own customer magazine "a:lot"
- synergy effects through partner company "Dönges Tools"
- modern B2B connections to our EDP system

Dönges & Wetec are historical. A little history.

1903
Founded as a file carving factory by Johann Dönges

1949
Start of trading with quality tools

1987
Spin-off of the electronics division Wetec into an own company

1999
Relocation to larger business facilities in Walter-Freitag Straße, Remscheid

WETEC

WE TECH YOU UP!

Partnership

We want more than just "fast business"! We have been working successfully and in partnership with many of our customers for decades.

Experience

The team of long-standing employees guarantees an optimal handling of all projects – from very small to very large – thanks to their extensive wealth of experience.

Honesty

At Wetec, morality is a top priority. Despite the expansion in recent years, we have remained modest. We always treat our customers, suppliers and employees fairly and honestly.

Wetec is tradition. Our philosophy.

Wetec is family-owned. In a time of fast pace and loss of value, we have stood for consistency, trustworthiness and reliability for 30 years.

This is also why we regularly publish a catalogue with over 500 pages containing the products from our range. This is an important reference work for decision-makers and plant workers in particular. So you can also look up and decide directly at the point of need without the Internet.

Contact us if you have any questions, suggestions or criticism – we are always there for you.

Diligence

Our employees work with passion and great concentration on their projects. Beginning from the preparation of the offer to the delivery.

2003
Again relocation to larger business facilities in Jägerwald, Remscheid

2010
Increase and extension of the storage area with a high-rack warehouse

2019
New construction of a logistics centre with 15,000 m² high-rack warehouse and modern intra-logistics. Office building with 3,900 m² including flagship stores.

The Weller WT 1(H) soldering station has a 1-channel power unit with high performance, functionality and flexibility. It is stackable and thus ensures more space at the workplace. Its detailed LC display provides an unprecedented overview of all functions, quickly and easily accessible via the new user-friendly menu button. There is automatic switching off if the usage sensor is integrated into the soldering tool.

Weller®

Weller 1-Channel Power Unit WT

Features:
- modern operating concept
- intuitive operation through clear menu navigation
- low space requirement thanks to stackability
- graphic LC display with backlighting
- high functionality and flexibility – numerous tools can be connected
- automatic switch-off with integrated usage sensor in the tool
- housing cover can be used as an additional shelf

Technical data:

Temperature range:	50-550 °C
Dimensions L x W x H:	150 x 138 x 99 mm
Channels:	1
Potential equalisation socket:	via 3.5 mm electromagnetic jack
USB port:	no

Scope of delivery:
1   pcs. Power unit WT 1(H)
1   pcs. Rubber tray

Order-no.	Type/Performance
801639	WT 1/95 W
801641	WT 1H/150 W

Weller 1-Channel Soldering Station Set WT 1010

90 W / 50-450 °C

Scope of delivery:
1 pcs. 1-Channel Power unit WT 1
1 pcs. Soldering iron WTP 90
1 pcs. Soldering tip XNT A
1 pcs. Safety rest WSR 200

Order-no.

801642

Weller 1-Channel Soldering Station Set WT 1012

80 W / 50-450 °C

Scope of delivery:
1 pcs. 1-Channel power unit WT 1
1 pcs. Soldering iron WSP 80
1 pcs. Soldering tip LT B
1 pcs. Safety rest WSR 201

Order-no.

801645

Weller 1-Channel Soldering Station Set WT 1010H

120 W / 50-450 °C

Scope of delivery:
1 pcs. 1-Channel Power unit WT 1H
1 pcs. Soldering iron WP 120
1 pcs. Soldering tip XT B
1 pcs. Safety rest WSR 201

Order-no.

801643

Weller 1-Channel Soldering Station Set WT 1013

80 W / 50-450 °C

Scope of delivery:
1 pcs. 1-Channel Power unit WT 1
1 pcs. Soldering iron WP 80
1 pcs. Soldering tip LT B
1 pcs. Safety rest WSR 201

Order-no.

801646

Weller 1-Channel Soldering Station Set WT 1011H

150 W / 50-550 °C

Scope of delivery:
1 pcs. 1-Channel Power unit WT 1H
1 pcs. Soldering iron WP 200
1 pcs. Soldering tip XHT D
1 pcs. Safety rest WSR 202

Order-no.:

801644

Weller 1-Channel Soldering Station Set WT 1014

80 W / 50-450 °C

Scope of delivery:
1 pcs. 1-Channel Power unit WT 1
1 pcs. Soldering Iron WSP 80 Robust
1 pcs. Soldering tip LT B
1 pcs. Safety rest WSR 201

Order-no.

801647

The Weller Multitool principle enables the optimum tools for every application to be connected to the station.
The intelligent WX soldering tools are parameterizable, which means that soldering parameters can be set individually and stored in the tool. They can therefore be connected to any WX station and are immediately ready for use, saving an enormous amount of time at the workplace. Intelligent power management allows various powerful tools to be connected, depending on the needs of your application. The active tools are shown in the display and a ring light in the soldering iron indicates the heating cycle.

Weller 1-Channel Power Unit WX 1

Features:
- multilingual menu
- high functionality
- no Stop & Go storage necessary due to integrated usage sensor
- higher accuracy, better temperature stability thanks to digital sensor evaluation in the piston
- piston-specific parameterization by means of parameter memory in the piston
- visual heating control by LED ring light
- modern operating concept
- robust touch screen made of antistatic real glass
- intuitive operation by rotary click wheel with finger guidance
- graphic LC display with backlighting

Technical data:

Power:	200 W
temperature range:	100-550 °C
measurements L x W x H:	174 x 154 x 135 mm
Channels:	1
Potential equalisation socket:	yes
USB port:	yes

Scope of delivery:
1   pcs. Power unit WX1

Order-no.

805929

Weller 1-Channel Soldering Station Set WX 1010

Scope of delivery:
1   pcs. Power unit WX1
1   pcs. Soldering iron WXP 120
1   pcs. Safety rest WDH 10
1   pcs. Soldering tip XT B

Order-no.

806215

Weller 2-Channel Power Unit WX 2

Features:
- multilingual menu
- high functionality
- no Stop & Go storage necessary due to integrated usage sensor
- higher accuracy, better stability thanks to digital sensor evaluation in the soldering iron
- piston-specific parameterization by means of parameter memory in the soldering iron
- visual heating control by LED ring light
- modern operating concept
- robust touch screen made of antistatic real glass
- intuitive operation by rotary click wheel with finger guidance
- graphic LC display with backlighting

Technical data:

Power:	200 (255) W
temperature range:	100-550 °C
measurements L x W x H:	174 x 154 x 135 mm
Channels:	2
Potential equalisation socket:	yes
USB port:	yes

Scope of delivery:
1   pcs. Power unit WX 2

Order-no.

805931

Weller 2-Channel Soldering Station Set WX 2021

Scope of delivery:
1   pcs. Power unit WX 2
1   pcs. Soldering iron WXMP
1   pcs. Desoldering tweezers WXMT
1   pcs. Safety rest WDH 51
1   pcs. Safety rest WDH 60
1   pcs. Soldering tip RT 3, chisel shape 1.3 x 0.4 mm
1   pcs. Desoldering tip pair RTW 2, chisel shape 0.7 x 0.4 mm 45°

Order-no.

806177

The Weller WXD 2 soldering and desoldering station is a cost-saving, versatile supply unit for professional repair work on electronic components in industrial manufacturing, repair and laboratory applications.
The clear, multilingual menu navigation and the turn-click wheel allow intuitive operation and a short learning curve. The Venturi unit generates a constant vacuum via an external compressed air supply.

Weller®

Weller 2-Channel Power Unit WXD 2

Features:
- for operation with external compressed air
- cost savings, as only one supply unit is required for several applications
- less rework due to optimum use of tools and the correct working temperature
- lower operating costs due to extended service life of the desoldering nozzles
- standby-capable desoldering tool
- IPC compliant

Technical data:

Power:	200 W
Temperature range:	50-550 °C
Dimensions L x W x H:	174 x 154 x 135 mm
Channels:	2
Vacuum:	0.55 bar
Potential equalisation socket:	yes
USB port:	yes

Scope of delivery:
1   pcs. Power unit WXD 2

Order-no.

806252

Weller 2-Channel Solder- and Desoldering Station Set WXD 2010

Scope of delivery:
1   pcs. Supply unit WXD 2
1   pcs. Desoldering iron WXDP 120
1   pcs. Storage stand WDH 70
1   pcs. Desoldering nozzle pliers PDN
1   pcs. Suction nozzle XDS 1

Order-no.

806512

Hot air station for simple repair work and heating processes. The temperature of the hot air is controlled electronically. The brushless turbine ensures optimum hot air adjustment.

Weller Hot Air Station WTHA 1

Features:
- modern operating concept
- intuitive operation through clear menu navigation
- low space requirement thanks to stackability
- up to 5 programmable presets that can run automatically in one profile
- housing cover can be used as an additional shelf
- locking function

Technical data:

Power:	900 W
Temperature range:	50-600 °C
Dimensions L x W x H:	210 x 160 x 125 mm
Channels:	1
hot air max.:	50 l/min
Potential equalisation socket:	yes
USB port:	no

Scope of delivery:
1 pcs. Hot air station WTHA 1
1 pcs. Shelf
1 pcs. Hot air piston
1 pcs. TNR 40 Hot air round nozzle Ø 4 mm

Order-no.

806155

Weller® *Rework*

Weller 3-Channel Rework Station WXR 3031

Three-channel power unit with WXHAP 200 hot-air soldering iron, WXDP 120 desoldering iron and WXP 120 soldering iron.
The WXR 3 rework stations are the perfect solution for all soldering, desoldering and hot air tasks. The most difficult challenges can be mastered safely, but the WXR 3 stations are also ideally suited for standard work. Thanks to the simple parameterization of all the devices, even large production plants can work quickly and safely. The stations can also be integrated into a traceability process.

Features:
- versatile
- with built-in pump
- for professional repair work
- programmable tool parameters
- flexible selection of WX tools for every application area
- tools with only 35 seconds heat-up time
- backlit graphic display
- multilingual menu
- IPC compliant

Technical data:

Power:	420 (600) W
Temperature range:	100-550 °C
Dimensions L x W x H:	273 x 235 x 102 mm
Channels:	3
Vacuum:	0.7 bar
Flow rate max.:	18 l/min
hot air max.:	15 l/min
Potential equalisation socket:	yes
USB port:	yes

Scope of delivery:
- 1 pcs. Power unit WXR 3
- 1 pcs. Hot air piston WXHAP 200 Set
- 1 pcs. Desoldering iron WXDP 120 Set
- 1 pcs. Soldering iron WXP 120 Set
- 1 pcs. Vacuum pipette WVP
- 1 pcs. Desoldering nozzle pliers PDN

Order-no.	Artikel
800090	Weller Rework Station WXR 3031
804020	Vacuum Pick-up WVP

Station

Weller Preheating plate WHP 3000

The infrared high-temperature emitters heat the area under the component to be processed and reduce the risk of thermal damage.

Features:
- digital display for target and actual temperature
- digital control electronics
- three infrared high temperature radiators for fast and efficient heating
- two heating zones selectable
- external sensor (accessory) can be connected
- RS 232-interface, e.g. for connection to Weller hot-air station

Technical data:

Temperature range:	50-400 °C
Dimensions L x W x H:	254 x 395 x 70 mm
heatable surface:	120 x 190 mm

Scope of delivery:
1 pcs. Preheating plate WHP 3000
2 pcs. Circuit board holder easy fix

Order-no.	Power W
815760	heating zone 600
815770	heating zone 1.200

Wetec by Weller Solder Fume Extraction Zero-Fume 4

Portable, ESD-safe solder fume extraction system with built-in turbine for up to 4 workstations (Easy-Click connection). The extraction system is particularly suitable for applications with an increased need for gas and particle filtration, e.g. when using solder baths, hot-air soldering, soldering, gluing, clean room and laser work.
Almost 100% air purification is achieved.
Microprocessor-controlled setting of the turbine speed.
Remote control is possible via the RS232 interface.
Effectiveness testing and logging of the filter service life can be carried out via a USB stick.

Features:
- Filter level indicator
- quick and easy installation
- compatible with Weller Easy/Click system and Weller WX soldering station
- infinitely variable (30-100 %)
- Low maintenance
- easy filter change
- Pre- and main filter system
- good mobility due to low weight on rollers
- automatic pressure control
- digital display
- Flow rate sensor

Technical data:

Power:	275 W
Dimensions L x W x H:	345 x 325 x 505 mm
Vacuum:	0.027 bar
Flow rate max.:	230 m³/h
Volume:	<48 dB
USB port:	yes

Scope of delivery:
1 pcs. Solder fume extraction
1 pcs. Hose connection straight
1 pcs. Fine dust filter F7
1 pcs. Compact filter (particle filter H13, 50 % activated carbon/50 % chemisorb)
  when selecting the design:
  1 kit 1 WF included per workstation

More sets available on request

Order-no.	Version
872780	only solder fume extraction
800166	for a work center
800168	for two workstations
801529	for three workstations
801531	for four workstations
801436	Compact filter Weller, for Wetec Zero-Fume
801438	Fine dust filter F7, for Wetec Zero-Fume

Weller Micro Desoldering Tweezers WXMT MS

Very fine, slim tweezers for optimal soldering and desoldering work, compatible with all WX stations.

Features:
- Military standard
- Soldering tips separately grounded
- For soldering and desoldering SMD components with high energy demand
- parameter memory such as standby temperatures, automatic switch-off time
- reduces total costs of ownership due to motion sensor

Technical data:
Power: 80 W (2 x 40 W)
Temperature range: 100 - 450 °C

Order-no.

806147

Weller Soldering set WXPP MS

Pico soldering iron WXPP MS Military standard 40 W, 12 V (hand-piece without soldering tip) for Active-Tip heating element technology. Particularly fast and precise reaching of the soldering temperature. With the new 2-in-1 safety rest. The user can choose between wet and dry cleaning.

Features:
- intelligent pico soldering iron
- Military Standard (MIL-SPEC)
- for very small parts
- for miniature works under a microscope
- soldering iron for WX station
- parameter memory such as standby temperatures, automatic switch-off time
- reduces total costs of ownership due to motion sensor
- Fast, tool-free soldering tip change of the RTP soldering tips
- Active Tip (Cartridge)-System allows exchange of soldering tip despite a hot soldering iron
- extremely short heat-up time
- cartridge range RTP MS

Technical data:
Voltage: 12 V
Power: 40 W
Heating time: approx. 3 s
Temperature range: 100-450 °C

Scope of delivery:
1   pcs. Micro soldering iron WXPP MS
1   pcs. Safety rest WSR 208
1   pcs. Soldering tip RTP004SMS
1   pcs. Erem tweezers 5SA
1   pcs. Solder wire SAC M1, 0.2, 10g

Order-no.	Item
806764	Weller Soldering set WXPP MS
805762	Pico Soldering Iron WXPP MS
806144	Safety tray, WSR 208, für WXPP
805761	Pico Soldering Iron WXPP

Weller Soldering set WXMP MS

The very fine and slim soldering iron is particularly suitable for work under a microscope. High performance due to an integrated, active soldering tip.

Features:
- compatible with WX stations
- Active Tip Radiator Technology
- Military standard
- very fast and precise reaching of the soldering temperature
- very fine, slim soldering iron
- high performance due to an integrated active soldering tip
- for universal soldering work
- Top family XNT

Technical data:
Power: 40 W (55 W with RT 11 MS)
Temperature range: 100-450 °C

Scope of delivery:
1   pcs. Micro soldering iron WXMP MS
1   pcs. Safety rest WDH 51
1   pcs. Soldering tip RT 3MS, chisel shape, 1.3 x 0.4 mm

Order-no.	Item
803445	Weller Soldering set WXMP MS
801665	Micro soldering iron WXMP MS
800144	Safety tray, WDH 51, for WXMP micro soldering irons
804363	RTM series soldering tip, chisel shape, RTM 013 S MS/1,3 x 0,4 mm, Straight

Weller Soldering set WXUP MS

Ultra soldering iron WXUP MS Military standard 40 W, 12 V for Active-Tip heating element technology. Particularly fast and precise reaching of the soldering temperature. With the new 2-in-1 safety rest. The user can choose between wet and dry cleaning.

Features:
- intelligent ultra soldering iron
- Military Standard (MIL-SPEC)
- For larger components with high energy requirements
- soldering iron for WX station
- parameter memory such as standby temperatures, automatic switch-off time
- reduces total costs of ownership due to motion sensor
- Fast, tool-free soldering tip change of the RTU soldering tips
- Active Tip (Cartridge)-System allows exchange of soldering tip despite a hot soldering iron
- extremely short heat-up time
- cartridge range RTU MS

Technical data:
Voltage: 24 V
Power: 150 W
Heating time: approx. 7 s
Temperature range: 100-450 °C

Scope of delivery:
1   pcs. Micro soldering iron WXUP MS
1   pcs. Safety rest WSR 200
1   pcs. Soldering tip RTU032SMS

Order-no.	Item
806766	Weller Soldering set WXUP MS
805763	Ultra Soldering Iron WXUP MS
806145	Safety tray, WSR 205, für WMRP

Weller Active Tip Soldering Technology:

- *extremely short heat-up time*
- *reduces total costs of ownership due to motion sensor*
- *soldering iron for WX station*
- *parameter memory such as standby temperatures, automatic switch-off time*
- *allows exchange of soldering tip despite a hot soldering iron*
- *fast, tool-less soldering tip change*

Weller®

Suitable Soldering Tips

The Weller RT soldering tip series is perfectly suited for the finest soldering work. Very fast heat transfer, as the heater is integrated into the needle tip. Due to the short distance from soldering tip to soldering point, it is especially recommended for use under a microscope or magnifying glass.

Features:

- high performance active tips for micro components from 0402 up to 01005
- short distance between tip and handle, therefore highest precision and highest tool handling
- MIL-SPEC/IPC Standard (potential-free, MS versions)
- very short heat-up time
- energy-efficient
- long service life

Weller Soldering Tip Series RT Micro, Round Shape

Order-no.	Type/measurements mm	Version
804355	RTM 001 C NW/Ø 0.1	tapered
804356	RTM 001 C MS NW/Ø 0.1	tapered
805930	RTM 002 C/Ø 0.2	tapered
804915	RTM 002 C L/Ø 0.2	conical/standard
804354	RTM 002 C MS/Ø 0.2	tapered
804916	RTM 002 C MS L/Ø 0.2	conical/MS
804905	RTM 004 B/Ø 0.4	beveled
804906	RTM 004 B MS/Ø 0.4	beveled/MS
804917	RTM 004 C MS X/Ø 0.4	conical/MS
804907	RTM 006 S MS/Ø 0.6x0.4	straight/MS
805950	RTM 008 C/Ø 0.8	tapered
804362	RTM 008 C MS/Ø 0.8	tapered
804908	RTM 010 S/Ø 1.0x0.3	straight
804909	RTM 010 S MS/Ø 1.0 x 0.3	straight/MS
805990	RTM 012 B/Ø 1.2	beveled
804901	RTM 012 B MS/Ø 1.2	beveled
804911	RTM 018 S/Ø1.8 x 0.4	straight
804912	RTM 018 S MS/Ø1.8 x 0.4	straight/MS
804913	RTM 032 S/Ø3.2 x 0.9	straight
804914	RTM 032 S MS/Ø3.2 x 0.9	straight

Weller Soldering Tip Series
RT Pico, Round Shape

Order-no.	Type/measurements mm	Version
804869	RTP 001 C/Ø 0.1	conical/standard
804870	RTP 001 C MS/Ø 0.1	conical/MS
804872	RTP 001 C NW/Ø 0.1	conical/standard
804871	RTP 001 C NW MS/Ø 0.1	conical/MS
804877	RTP 001 C X/Ø 0.1	conical/standard
804878	RTP 001 C X MS/Ø 0.1	conical/MS
804873	RTP 002 C/Ø 0.2	conical/standard
804874	RTP 002 C MS/Ø 0.2	conical/MS
804879	RTP 002 C X/Ø 0.2	conical/standard
804880	RTP 002 CX MS/Ø 0.2	conical/MS
804875	RTP 004 C/Ø 0.4	conical/standard
804881	RTP 004 B/Ø 0.4	beveled/standard
804876	RTP 004 C MS/Ø 0.4	conical/MS
804882	RTP 004 B MS/Ø 0.4	beveled/MS
804883	RTP 012 B/Ø 1.2	beveled/standard
804884	RTP 012 B MS/Ø 1.2	beveled/MS

Weller Soldering Tip Series
RT Pico, Chisel

Order-no.	Type/measurements mm	Version
804885	RTP 002 S/0.2 x 0.1	chisel/standard
804887	RTP 002 NW/0.2 x 0.1	chisel/standard
804886	RTP 002 S MS/0.2 x 0.1	chisel/MS
804888	RTP 002 S NW MS/0.2 x 0.1	chisel/MS
804889	RTP 004 S/0.4 x 0.2	chisel/standard
804891	RTP 004 S MS/0.4 x 0.2	chisel/MS
804892	RTP 008 S/0.8 x 0.3	chisel/standard
804893	RTP 008 S MS/0.8 x 0.3	chisel/MS
804894	RTP 010 S/1.0 x 0.3	chisel/standard
804895	RTP 010 S MS/1.0 x 0.3	chisel/MS
804896	RTP 013 S/1.3 x 0.3	chisel/standard

## Weller Soldering Tip Series
RT Pico, Special Type

Order-no.	Type/measurements mm	Version
804897	RTP 010 K/1.0	knife/standard
804898	RTP 010 K NW/1.0	knife/standard
804900	RTP 020 G/2.0	knife/standard
804899	RTP 025 K/2.5	Gullwing/standard

Weller Soldering Tip Series
RT Ultra, Round Shape
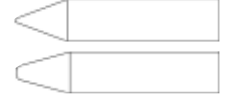
Order-no.	Type/measurements mm	Version
804922	RTU 004 C MS/Ø 0.4	conical/MS
804925	RTU 004 C MS X/Ø 0.4	conical/MS
804923	RTU 008 C MS/Ø 0.8	conical/MS
804926	RTU 008 C MS X/Ø 0.8	conical/MS
804924	RTU 016 C MS/Ø 1.6	conical/MS
804927	RTU 016 C MS X/Ø 1.6	conical/MS
804928	RTU 020 B MS/Ø 2.0	beveled/MS
804929	RTU 035 B MS/Ø 3.5	beveled/MS
804931	RTU 050 B MS/Ø 5.0	beveled/MS

Weller Soldering Tip Series
RT Ultra, Chisel
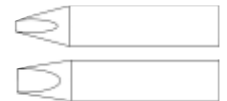
Order-no.	Type/measurements mm	Version
804932	RTU 015 S MS/1.5 x 0.4	chisel/MS
804933	RTU 022 S MS/2.2 x 0.6	chisel/MS
804934	RTU 032 S MS/3.2 x 0.8	chisel/MS
804935	RTU 032 S MS L/3.2 x 0.8	chisel/MS
804936	RTU 050 S MS/5.0 x 1.2	chisel/MS
804937	RTU 076 S MS/7.6 x 1.5	chisel/MS
804938	RTU 093 S MS/9.3 x 2.0	chisel/MS

Weller Soldering Tip Series
## RT Ultra, Special Type
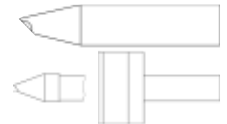
Order-no.	Type/measurements mm	Version
804939	RTU 020 G MS/2.0	Gullwing
804941	RTU 100 K MS/10.0	blade/MS
804942	RTU 160 K MS/16.0	blade/MS
804943	RTU 200 K MS/20.0	blade/MS
804944	RTU 330 K MS/33.0	blade/MS

Weller Soldering Tip Series
RT Micro, Special Type

Order-no.	Type/measurements mm	Version
806030	RTM 020 G/2.0 x 1.2	Gullwing
804921	RTM 020 G MS/1.2 x 2.0	Gullwing
804918	RTM 025 K/2.5	knife
804919	RTM 025 K MS/2.5	knife
806050	RTM 028 X/26	measuring tip
806000	RTM 030 K/0.9 x 2.2	knife
124410	RTM 030 K MS/2.2	knife/MS
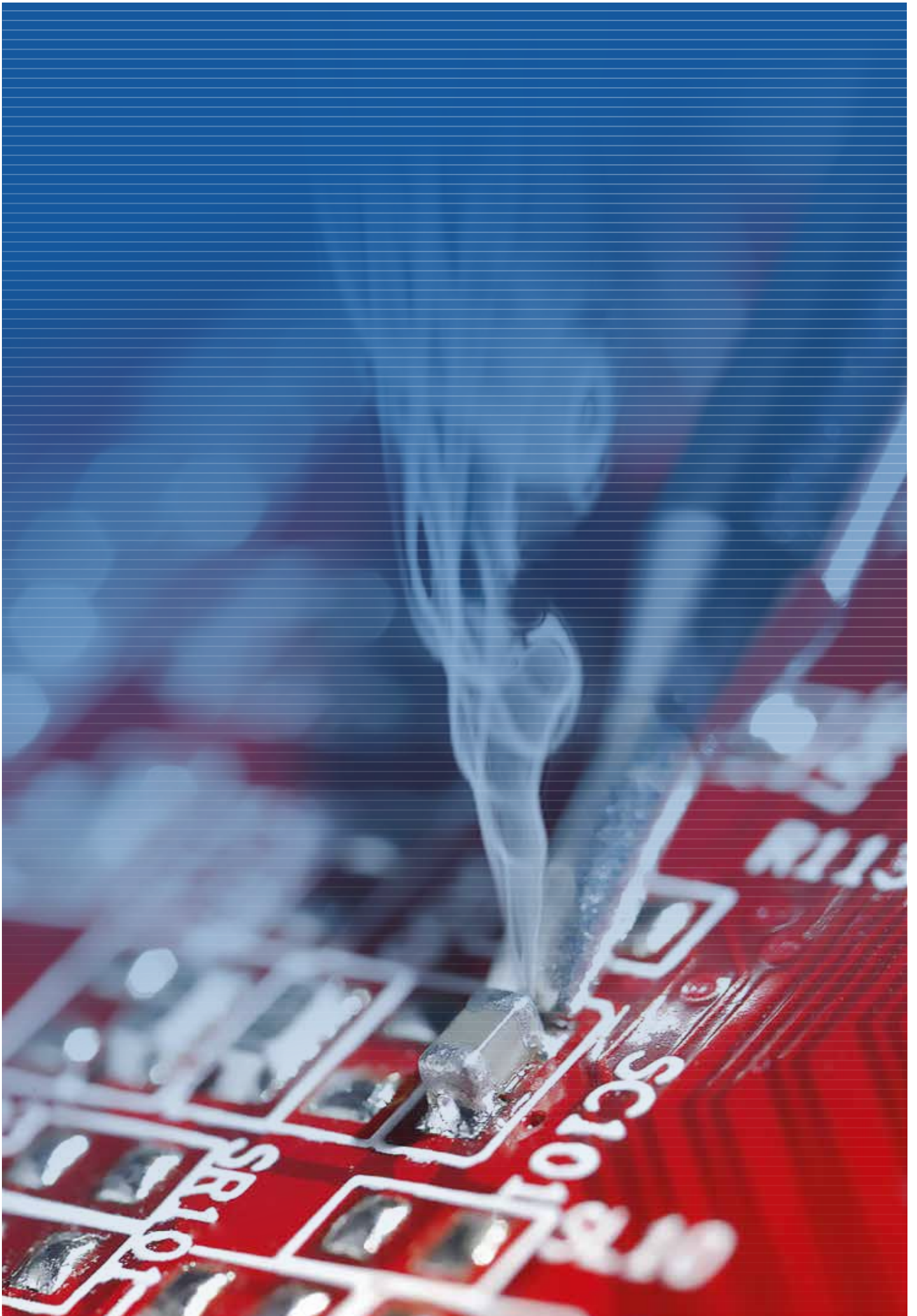
All soldering stations of the compact series work with the exclusive JBC heating system and the intelligent "Sleep + Hibernation" function.

More than 20 parameters can be personalized via the menu to individually control your soldering process.

The stations are equipped with a USB port to update the software, create diagrams and manage parameters directly from the PC.

An integrated cleaning module with an anti-splash membrane ensures cleanliness in the work area. The wiper helps to remove excess solder from the soldering tip.

JBC
www.jbctools.com

JBC Digital soldering station CDE-2BQA with soldering-assistant

The digital soldering station CDE-2BQA extends the advantages compared to the CD soldering stations by intelligent new features, such as an assisted working mode, dynamic soldering profiles and the connection of solder fume extractors directly at the station.

Furthermore, all the advantages of the CD stations remain, of course.

Features:
- suitable for precise soldering
- quick change of cartridges
- tiltable tool tray
- intelligent heat management
- standby/auto-off function
- cable retriever
- possibility of PC communication via USB port
- Soldering tip cleaning possible dry and moist
- microprocessor-operated
- Assisted work mode
- dynamic soldering profiles
- Solder fume extraction can be connected without detours
- Soldering tip family C245

Technical data:

Power:	150 W
Temperature range:	90-450 °C
Dimensions L x W x H:	170 x 154 x 106 mm
Channels:	1
Potential equalisation socket:	yes
USB port:	yes

Order-no.

804051

JBC Compact soldering station CD-2BQF WETEC Edition

The digital soldering station with the T245-A soldering irons is the ideal soldering station for universal electronic soldering applications. The JBC Most Efficient Soldering Technology ensures the best soldering results.
The "Sleep + Hibernation" mode additionally extends the life expectancy of the soldering tips. More than 150 different soldering cartridges of the C245 soldering tip family are available in various shapes.
As with all compact stations, the CD-2BQF also offers more than 10 different parameters for setting and personalising.

Features:
- Seven buttons for quick and easy configuration via the menu
- Adjustable soldering iron rest
- quick change of cartridges
- Integrated cartridge storage for up to four cartridges
- Integrated soldering tip cleaning system, dry and wet cleaning possible
- intelligent heat management
- standby/auto-off function
- microprocessor-operated
- cable retriever
- Optional RJ12 interface for controlling the JBC extraction system
- possibility of PC communication via USB port
- accessible and replaceable earthing fuse
- Soldering tip family C245

Technical data:
Power:	130 W
Temperature range:	90-450 °C
Dimensions L x W x H:	145 x 150 x 175 mm
Channels:	1
Potential equalisation socket:	yes
USB port:	yes

Scope of delivery:
- 1 pcs. CD control unit
- 1 pcs. Soldering iron T245-A without cartridge
- 1 pcs. Brass wool CL6210
- 1 pcs. Sponge S0354

Order-no.	Item
807278	JBC Compact soldering station CD-2BQF WETEC Edition
803674	Silicone insert/Wiper, ESD

JBC Precision Soldering Station CD-2SQF

The digital soldering station with the T210-A soldering irons is the ideal soldering station for all precision soldering. The JBC Most Efficient Soldering Technology ensures the best soldering results.
The "Sleep + Hibernation" mode additionally extends the life expectancy of the soldering tips. More than 30 different soldering cartridges of the C210 soldering tip family are available in various shapes.
As with all compact stations, the CD-2SQF also offers more than 10 different parameters for setting and personalising.

Features:
- Seven buttons for quick and easy configuration via the menu
- Adjustable soldering iron rest
- quick change of cartridges
- Integrated cartridge storage for up to four cartridges
- Integrated soldering tip cleaning system, dry and wet cleaning possible
- intelligent heat management
- standby/auto-off function
- microprocessor-operated
- cable retriever
- Optional RJ12 interface for controlling the JBC extraction system
- possibility of PC communication via USB port
- accessible and replaceable earthing fuse
- Soldering tip family C210

Technical data:
Power:	40 W
Temperature range:	90-450 °C
Dimensions L x W x H:	145 x 150 x 175 mm
Channels:	1
Potential equalisation socket:	yes
USB port:	yes

Scope of delivery:
- 1 pcs. CD control unit
- 1 pcs. Soldering iron T210-A without cartridge
- 1 pcs. Brass wool CL6210
- 1 pcs. Sponge S0354

Order-no.	Item
807656	JBC Precision Soldering Station CD-2SQF
803674	Silicone insert/Wiper, ESD

JBC Precision station B˙iRON 210

With the latest battery improvements and the exclusive JBC heating system, the B-iRON is the new generation of rechargeable soldering iron.

This station includes:
- B 210 Precision B-iRON Tool, the first tool with all JBC soldering technology and Bluetooth connectivity. This tool is suitable for precision soldering, fits perfectly in the user's hand, has minimal weight and is fully compatible with the C210 Cartridge Range.
- Tablet 7" with B-iRON app for control and configuration of the soldering tool.
- B 210S Stand integrates a charger that fully charges the tool while it rests in idle mode to prevent oxidation.

The stand includes a quick cartridge changer that allows safe, easy and fast cartridge changes, a tip cleaner with brass wool and an anti-splash membrane to prevent oxidation between cleaning and rewetting. In addition, the cartridge holder can store up to three cartridges.

Features:
- ideal tool for working on assembled circuit boards or under the microscope
- minimal weight, therefore lies perfectly in the hand
- fully compatible with C210 solder cartridges
- integrated charger in the stand
- if the B-iRON Tool is in sleep mode, it will fully charge
- quick cartridge changer that enables safe, simple and fast cartridge changeover

Technical data:

Power:	24 W
Temperature range:	200 - 450 °C
Temperature stability:	± 3 %
Charging time:	40 min
Connection:	Bluetooth Low Energy

Scope of delivery:
1 pcs. B 210 Precision B˙iRON Tool cartridge not included
1 pcs. B 210S stand
1 pcs. 7" tablet

Order-no.

810181

JBC Soldering station ALE-210VA with automatic solder wire feeder

The ideal solution for soldering jobs where you need to have your hand free. The soldering station works with the comfortable ALE250 auto-feed soldering iron and the C250 cartridge series. With the new, improved 7-key keypad, you can easily configure parameters such as the speed and length of the soldered wire. Thanks to the integrated counter, you can also monitor solder consumption.

In "Continuous Mode", the solder wire is fed while the key is held down. The "Discontinuous Mode" can configure the speed and amount of solder wire fed with each click. "Program Mode" allows the operator to configure three consecutive feed steps to achieve more dynamic and efficient soldering. Up to five programs can be set.

The solder wire feed is equipped with a small blade that perforates the solder wire to the flux core during the feed. This perforation process allows for better flux flow and outgassing, preventing splashing of solder and flux during soldering.

Features:
- with an automatic solder wire feed
- three working modes adjustable
- intelligent heat management
- user-friendly operating menu
- possibility to connect JBC exhaust systems and foot pedal to achieve the best soldering results
- without turning off the station, you can safely perform various soldering operations in just a few seconds
- Soldering tip family C245

Technical data:

Power:	150 W
Temperature range:	90-450 °C
Dimensions L x W x H:	235 x 170 x 112 mm
Channels:	1
Feed speed:	max. 50 mm/s
Wire Ø:	0,4-1,6 mm
wire length:	max. 250 mm

Scope of delivery:
1 pcs. Control unit ALU
1 pcs. tool holder ALES
1 pcs. Auto-Feed Iron ALE250 (cartridge not included)
1 pcs. cartridge holder SCH
1 pcs. Foot pedal P405
1 pcs. cartridge Extractor Plier PLR195

Order-no.

810306

JBC High Performance Soldering Station HDE-2D

The exclusive solution for high thermal requirements and continuous soldering applications. Ideally suited for the production of solar modules, multi-layer PCBs and components with large heat dissipation surfaces.

The control unit has a digital display and allows personal configuration of the operating modes sleep, standby and soldering temperature. All parameters can be secured with a PIN.

Features:
- modular 1-tool high performance control unit
- all HD soldering tools compatible with matching holders
- capacitive multifunctional display
- intuitive menu, easy handling
- intelligent heat management
- software actualisation easily possible
- standby/auto-off function
- possibility of PC communication via USB port
- microprocessor-operated

Technical data:

Power:	250 W
Temperature range:	90-500 °C
Dimensions L x W x H:	145 x 120 x 225 mm
Channels:	1
Potential equalisation socket:	yes
USB port:	yes

Scope of delivery:
- 1 pcs. Control unit HDE-2D
- 1 pcs. Soldering iron T470-FA without cartridge
- 1 pcs. Tool holder HD-SE
- 1 pcs. Connection cable
- 1 pcs. Soldering tip cleaner CL8499

Order-no.
803859

JBC Nano Hot air repair station JNASE-2A

The JNASE-2A nano hot air repair station enables easy rework of ultra-small SMD components (01005) under the microscope.
JBC offers two easily interchangeable hot air nozzles with outlet diameters of 1 and 1.5 mm.
The station has a "Pick + Place" function that is activated via the pedal to position and remove components with high precision.

Features:
- Hot air station for smallest component processing
- Suitable for finishing SMD components on surfaces with minimal separation
- fast and reliable desoldering
- Enables regulation of temperature and airflow at very low levels to avoid expulsion/movement of adjacent components

Technical data:

Power:	70 W
Temperature range:	150-450 °C
Dimensions L x W x H:	180 x 170 x 110 mm
Flow rate max.:	0,15-1 SLPM
Vacuum:	53% / 397 mmHg
USB port:	yes

Scope of delivery:
- 1 pcs. JNAE control unit
- 1 pcs. Hot air piston NH
- 1 pcs. NHS stand
- 1 pcs. Hot air nozzle J125010, Ø 1.0 mm
- 1 pcs. Cartridge holder SCH-A
- 1 set curved needles and suction cups for T-260
- 1 pcs. Foot switch P-405
- 1 pcs. Vacuum pipette T260-A

Order-no.	Item
806230	JBC Nano Hot air repair station JNASE-2A
808993	Nano hot air nozzle Series J125, J125010/Ø 1,0 mm, Straight
808987	Curved needles and suction cups, for JNA

JBC Nano Soldering Station NANE-2C

The Nano soldering station can be operated simultaneously with two Nano NT115 handpieces. The short distance from tip to handle provides maximum control even when used under a microscope.

Features:
- 2-Channel control unit
- developed for ultrafine soldering work
- capacitive multifunctional display
- intuitive menu, easy handling
- combined tip changing and cleaning system
- software actualisation easily possible
- communication possibility PC - supply unit via USB
- all nano soldering tools can be operated parallel
- foot switch optionally connectable per channel
- soldering tip change also possible in hot condition
- cartridge range C115

Technical data:

Power:	2 x 14 W
Temperature range:	90-450 °C
Dimensions L x W x H:	170 x 90 x 135 mm
Channels:	2
Potential equalisation socket:	yes
USB port:	yes

Scope of delivery:
1 pcs. Control unit NAE
2 pcs. Nano soldering iron NT115-A
1 set Soldering tips: 1 x C115-101, 1 x C115-103,
1 x C115-107, 1 x C115-112, 2 x C115-105,
2 x C115-113

Order-no.

803612

www.jbctools.com

Especially for applications of the highest precision. The ideal solution for the soldering and desoldering of micro components such as 0201, 0402, 01005 chips.
The station is equipped with the new Temperature Dynamic Profiles function. The use of these profiles allows you to control the temperature of the component during all phases of the soldering process and to mimic the heating process in a reflow oven.

JBC Nano Soldering Station NASE-2C

Features and technical data as NANO Soldering Station NANE-2C, but the NT115-A Nano handpiece and the NP115-A Nano tweezers can be operated

Scope of delivery:
1 pcs. Control unit NAE
1 pcs. Nano soldering iron NT115-A
1 pcs. Nano tweezers AN115-A
1 pair Replacement handle N1738
1 set Soldering tips:
1 x C115-101,
1 x C115-103,
2 x C115-105,
1 x C115-107,
1 x C115-112,
2 x C115-113

Order-no.

803613

JBC Digital Dual-Station DDPE-2QB

The DDPE Precision Rework Station is a perfect solution for the fast and precise SMD repair of passive components and small ICs with hand soldering tools.
Equipped with the DDE 2 tool control unit, this rework station comes with the T210 precision handle and AM120 adjustable micro tweezers.

Features:
- the reduced distance between tip and handle of both tools allows an extremely precise handling even under the microscope
- precision handpieces T210-A and AM120-A make it possible to work on heavily populated printed circuit boards without damaging adjacent components
- with the practical cartridge holder SCH-A the different cartridges are always stored close by

Technical data:

Power:	2 x 150 W
Temperature range:	90-450 °C
Dimensions L x W x H:	232 x 148 x 120 mm
Channels:	2
Potential equalisation socket:	yes
USB port:	yes

Scope of delivery:
1	pcs.	Control unit DDE-2C
1	pcs.	Micro tweezer AM120-A without cartridge
1	pcs.	Soldering iron T210-A without cartridge
1	pcs.	Stand AD-SE
1	pcs.	Stand AM-SA
1	pcs.	Cartridge holder SCH-A
1	pcs.	Cleaning model CL8499

Order-no.

Order-no.
804043

JBC Hot Air Station JTSE

This powerful and high-performance hot air station can repair all types of SMDs quickly and safely. Also suitable for the largest QFPs and PLCCs.
Over 25 parameters can be stored individually via the menu, including tool activation via button or foot pedal (optional). Software updates can be imported via the USB port.

Features:
- hot air pump with electronic control of temperature and air flow rate
- suction pump for easy fixation of the ICs
- fast and reliable desoldering
- powerful hot-air piston
- up to 25 soldering profiles and working time programmable
- thermocouple controls the temperature on the circuit board
- automatic temperature switch-off when the hot-air piston is in the storage stand

Technical data:

Power:	700 W
Temperature range:	150-450 °C
Dimensions L x W x H:	184 x 148 x 140 mm
Flow rate max.:	5-50 SLPM
Vacuum:	30%/228 mmHg
USB port:	yes

Scope of delivery:
1	pcs.	Control unit JTSE
1	pcs.	Stand JT-SE
1	pcs.	Hot air piston JT-T2A
1	set	Accessories (only included in 802502)
1	pcs.	Thermocouple Type K PH218 (only included in 802502)

Order-no.   Version

Order-no.	Version
802502	2A, including extractor desk
802503	2QA, without extractor desk

JBC Complete Rework Station RMSE-2QE

The RMSE is a station for the repair of SMD and THT assemblies. It works with the exclusive JBC system based on guards, extractors and hot air, which concentrates the heat on the desoldering component while protecting the remaining circuits.

The clear display makes the station easy to operate. All functions are linked to an access PIN, allowing the station to be optimally adapted to the special functions of each individual user.

In addition to the standard configurations, all JBC tools can be connected to the soldering and desoldering module. The positioning pin works with vacuum and helps to apply components.

Features:

- combination of soldering/desoldering and hot air rework system
- modular two-channel control unit
- capacitive multifunctional display
- intuitive menu, easy handling
- software actualisation easily possible
- communication possibility PC - supply units via USB
- operates all soldering tools with suitable trays, with the exception of nano and HD tools
- electric suction pump for operating DR and/or DS desoldering irons
- hot air pump with electronic control of temperature and air flow rate
- suction pump for easy fixation of the ICs
- programmable soldering profiles and working time
- operation of hot air handpieces TE/JT possible
- stackable enclosures
- foot switch P-005 and stand RWB/S/T-A optionally connectable
- no compressed air necessary
- system can also be operated independently

Technical data:

Power:	2 x 150 (DDE), 700 (JTSE) W
Temperature range:	90-450 (DDE), 150-450 (JTSE) °C
Measurements:	480 x 375 x 390 mm
Channels:	2
Voltage:	230 V
Vacuum:	30 (JTSE), 75 (MSE) %
Flow rate max.:	10-50 (JTSE), 9 (MSE) SLMP
Potential equalisation socket:	yes
USB port:	yes

Scope of delivery:

- 1 pcs. Control unit JTSE-2A
- 1 pcs. Control unit DDE-2C
- 1 pcs. Electric vacuum pump MSE-A
- 1 set Accessories
- 1 pcs. Stand JT-SE
- 1 pcs. Stand AD-SE
- 1 pcs. Stand DR-SE
- 1 pcs. Soldering tip cleaner CL8499
- 1 pcs. Hot air piston JT-T2A
- 1 pcs. Soldering iron T245-A
- 1 pcs. Desoldering iron DR560-A
- 1 pcs. Cleaning sponge S0354
- 1 pcs. Cleaning brush CL6217
- 1 set Accessories DR560
- 1 pcs. T260-A Pick and Place
- 1 pcs. Pull-off stand with pullers and protective cups
- 1 set Needles, curved
- 1 set Needles, straight
- 1 set Suction cups
- 1 pcs. Cleaning stick
- 1 pcs. Connection cable
- 2 pcs. Cable holder
- 1 pcs. Replacement filter
- 1 set Cotton filter
- 1 set Filter box
- 1 pcs. Visifilter housing
- 1 pcs. Thermocouple type K

Order-no.

804048

JBC Infrared Preheater Set PHSE-2KAB

The PHSE is the best sollution for preheating multilayer PCBs by applying infrared radiation. It allows to work with lower temperature, increasing the tip life and reducing thermal stress. It features, along with the power and temperature mode, a powerful functionality of profiles to perform rework tasks. Temperature is sensed with a TC and the heat is autoregulated by the console, capable to store up to 25 different profiles. Connecting up to 4 external thermocouples provides a high-precise close-loop control of the component/PCBA during the heating process. It can also be used to protect a component or a specific area of the PCBA. It has 2 independent work zones that define a heating area of 65x135 or 130 x 135.

Features:
- highly efficient IR radiant heat
- even heat distribution
- complete solution for large printed circuit boards
- PCB holder PHS-S can be adjusted in many places and has three positions (28, 50, 70 mm)
- 2-stage height-adjustable PCB holder
- two separate heating zones
- easy to clean glass surface
- up to 20 multi-stage profiles programmable
- temperature or power controlled operation possible
- remote control

Technical data:
Power: max. 500 W
Temperature range: 50-250 °C
External dimensions L x W x H: 288 x 195 x 41 mm
Heating surface L x W: 65 x 135 or 130 x 135 mm (2 zones)

Scope of delivery:
1 pcs. Preheater PHSE-2KB
1 pcs. Control unit ACE-A
1 pcs. Circuit board holder PHS-SA
1 pcs. Connection cable RJ45
1 pcs. Power plug
1 pcs. Kapton tape
2 pcs. Thermocouple PH218

Repair!

Order-no.

809125

JBC Infrared Preheating Plate PHBE-2KA

PHBE is the best solution when large multilayer PCBs need to be preheated. It allows gradual heating, reduces the risk of thermal shock in the substrate and components, and operates at lower temperature on components connected to ground planes.
In addition to power and temperature modes, profiles can be stored for execution and rework. Temperature is sensed with an external thermocouple and heat is automatically controlled by the console, which can store up to 25 different profiles.
The connection of up to four external thermocouples enables highly precise control of the component/PCBA during the heating process. It can also be used to protect a component or a specific area of the PCBA.

Features:
- highly efficient IR radiant heat
- even heat distribution
- complete solution for large printed circuit boards
- two separate heating zones
- easy to clean glass surface
- up to 25 multi-stage profiles programmable
- temperature or power controlled operation possible
- Robot can be controlled via RS-232

Technical data:
Power:	1.800 W
Temperature range:	50-250 °C
Dimensions L x W x H:	426 x 444 x 41 mm
Heating surface L x W:	180 or 360 x 277 mm (2 zones)

Scope of delivery:
1	pcs.	Preheating plate PHBE-2KA
1	pcs.	Programming console PH
1	pcs.	LAN cable RJ45
1	pcs.	Printed circuit board holder PHB-SA
1	pcs.	Thermocouple PH218
1	pcs.	Power plug
1	pcs.	Kapton tape

Order-no.

805585

JBC Nano Infrared Preheating Plate PHNE-2KA

The PHNE is the optimal solution for reworking small PCBAs, such as those commonly used in smartphones. It has a heating surface of 108 x 70 mm and two connections for thermocouples. Precise reliability in temperature accuracy ensures that no components are damaged when checking PCBAs. The preheating plate can be operated easily and conveniently via the intuitive menu navigation.

Features:
- highly efficient IR radiant heat
- even heat distribution
- full solution for small PCBs
- easy to clean glass surface
- It features 22 customizable profiles
- temperature or power controlled operation possible

Technical data:
Power:	300 W
Temperature range:	50-250 °C
Dimensions L x W x H:	179 x 165 x 42 mm
Heating surface L x W:	108 x 70 mm

Scope of delivery:
1	pcs.	Preheating plate PHNE-2A
1	pcs.	Programming console PH
1	pcs.	PCB holder PHN-SA
1	pcs.	Connection cable RJ45
1	pcs.	Kapton tape
1	pcs.	Thermocouple PH218

Order-no.

808761

JBC Infrared Preheating Plate PHXLE-2KA

The PHXLE a full system for preheating large format PCBAs such as communication boards, etc. and ideal for repetitive soldering. It has a heating surface of 510 x 610 mm and operates with up to eight thermocouples. Unmatched reliability in temperature accuracy and control of the PCBA so that no component is damaged. The Preheater is easy and convenient to operate via the intuitive menu navigation.

Features:
- highly efficient IR radiant heat
- even heat distribution
- Full solution for large to very large PCBs
- PHXL-SA PCB carrier can be adjusted in many places
- two separate heating zones
- easy to clean glass surface
- It features 22 customizable profiles
- temperature or power controlled operation possible
- remote control

Technical data:

Power:	max. 5.400 W
Temperature range:	50-250 °C
External dimensions L x W x H:	790 x 664 x 42 mm
Heating surface L x W:	Zone A 510 x 200 mm, Zone B 510 x 410 mm, Zone A+B 510 x 610 mm

Scope of delivery:

1	pcs.	Underheating PHXLE-2A
1	pcs.	Control unit ACE-A
1	pcs.	PCB holder PHXL-SA
3	pcs.	Spacer PH201, 28 mm
3	pcs.	Spacer PH201, 38 mm
3	pcs.	Spacer PH201, 48 mm
1	pcs.	Connection cable RJ45
1	pcs.	Power plug
1	pcs.	Kapton tape
3	pcs.	Thermocouple type K

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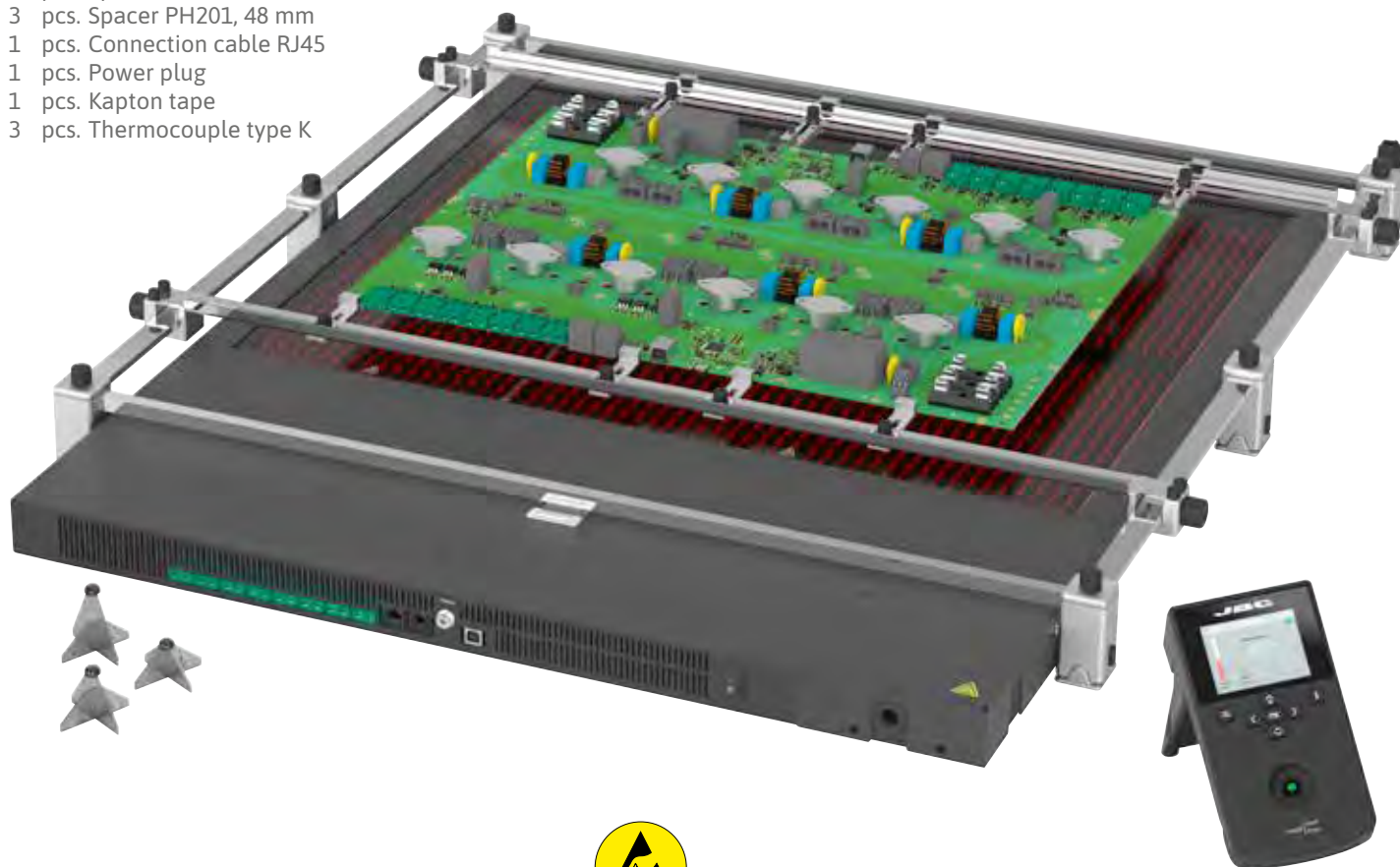
Order-no.

808762

JBC Solder Fume Extraction FAE1-2A

The FAE is the most efficient solution to avoid exposure to solder fumes. It optimizes fume extraction operating only when needed. The extractor starts up only when soldering. This function saves power and the life of the equipment as well as the filter. Thanks to a vacuum system integrated into the stand, the system also detects when the tool is at rest and automatically absorbs the fumes.

The FAE1 provides direct connection of up to 4 soldering or rework stations and stand fume extractions for up to 4 tools. It can be controlled via JBC stations, a pedal, a robotic system or a PC. It has 3 predefined levels of aspiration: low, medium and high, and a custom mode with which you can set the airflow within the low (10%) and max rates (100%).

In order to control the Fume Extractor activation from multiple stations at the same time, or from stations featuring only USB port, QSC-A device is required.

Features:
- can be operated at one workstation
- control can be via JBC stations, a pedal, robot system or a PC
- three pre-defined modes and one at your disposal to regulate the air flow

Technical data:
Power: 110 W
Dimensions L x W x H: 340 x 380 x 475 mm
Flow rate: 180 m³/h
Hose Ø: 50 mm
Length of hose: 1.5 m
Volume: 55 dB

Scope of delivery:
1   pcs. Solder fume extraction FAE1-2B inculding compactfilter FAE1-100 and pre-filter
2   pcs. Connection cable RJ12
1   pcs. Adapter RJ12-USB-A
1   pcs. USB A/B cable

Order-no. Item

804057	JBC Solder Fume Extraction FAE1-2A
801414	Foot switch P-005

JBC Flexible Hose FAE010

Flexible suction hose to connect the FAE2-5A solder fume extractor to the flexible arm.

Technical data:
Hose Ø: 50 mm
Length: 1.5 m

Order-no.

803123

JBC Flexible Hose FAE020

Flexible suction arm that can be connected to a workbench.

Technical data:
Hose Ø: 50 mm

Scope of delivery:
1   pcs. Flexible extraction arm
1   set Screws

Order-no.

803124

JBC Accessory for Stand Aspiration FAE030

As soon as the tool is returned to the stand, the valve in the working area closes and the stand valve opens to absorb the vapors.

Features:
• for up to four stands
• connects flex arm/suction hose

Technical data:
Ø: 90 mm

Scope of delivery:
1   pcs. Intake nozzle including caps
2   pcs. O-ring
9   pcs. Screws
3   pcs. Washer
3   pcs. Nut

Order-no.

803125

JBC Accessory for Stand Aspiration + Clamp FAE040

As soon as the tool is returned to the stand, the valve in the working area closes and the stand valve opens to absorb the vapors.

Features:
• for up to four stands
• connects flex arm/suction hose
• for mounting on a table top

Technical data:
Ø: 90 mm

Scope of delivery:
1   pcs. Intake nozzle including caps
2   pcs. Table clamp
2   pcs. Screws
2   pcs. Washer

Order-no.

803126

JBC Fume Inlet Duct for Modular Stand FAE050

The extraction system is connected to the holder and the suction nozzle FAE030/FAE040.

Features:
• suitable for JBC control units DI, DDE, DME

Scope of delivery:
1   pcs. Extraction system

Order-no.

803127

JBC Fume Inlet Duct for Compact Stations FAE060

The extraction system is connected to the holder and the suction nozzle FAE030/FAE040.

Features:
• suitable for JBC stations CD, CP, CA, CS, CV

Scope of delivery:
1   pcs. Extraction system

Order-no.

803128

JBC Extraction Arm with Table Clamp FAE070

Flexible extraction arm that can be connected to a workbench.

Technical data:
Hose Ø: 50 mm

Scope of delivery:
1   pcs. Flexible extraction arm
2   pcs. Table clamp

Order-no.

803132

JBC Nozzle, for Fume Extraction FAE

Nozzles for extraction arms JBC FAE020 and FAE070.

Order-no.	Form
803507	Rectangular
803508	Round

JBC Soldering Tip Series C115, Round Shape

C115 series soldering tips for JBC NT115 and NP115 Nano soldering tools.
C115 series soldering tips are the smallest and finest from JBC. They are designed for soldering and repair – as well as for soldering work under a microscope.

Features:
- excellent electroplating, good thermal performance
- very long durability for lead-free alloys

Order-no.:	Type/measurements mm	Version
803616	C115101/Ø 0.1	straight
803617	C115103/Ø 0.3	straight
803618	C115105/Ø 0.3	bent
803619	C115106/Ø 0.5	straight
803621	C115107/Ø 0.8	straight
803622	C115109/Ø 0.6	45° beveled
803623	C115110/Ø 0.5	bent
803624	C115118/Ø 0.1	bent
803625	C115124/Ø 0.1	curved, fine-pitch
803626	C115126/Ø 0.1	straight
803627	C115127/Ø 1.0	beveled
803647	C115128/Ø 1.0	solder depot

JBC Soldering Tip Series C115, Chisel-shaped

C115 series soldering tips for JBC NT115 and NP115 Nano soldering tools.
C115 series soldering tips are the smallest and finest from JBC. They are designed for soldering and repair – as well as for soldering work under a microscope.

Features:
- excellent electroplating, good thermal performance
- very long durability for lead-free alloys

Bestell-Nr.	Type/measurements mm	Version
803628	C115108/0.6 x 0.3	straight
803629	C115113/1.0 x 0.3	straight
803631	C115114/1.8 x 0.5	straight
803632	C115115/1.0	straight, stainless steel
803633	C115116/0.2 x 0.1	straight
803634	C115117/0.4 x 0.2	straight
803635	C115125/0.6 x 0.3	straight
803835	C115131/2.0 x 0.35	straight
803636	C115213/1.0 x 0.3	straight, High Thermal
803637	C115214/1.8 x 0.5	straight, High Thermal
803638	C115221/1.3 x 0.3	straight, High Thermal
803639	C115222/1.6 x 0.3	straight, High Thermal
803641	C115223/2.4 x 0.6	straight, High Thermal

JBC Soldering Tip Series C210, Chisel-shaped

C210 series soldering tips for the JBC T210 precision handpiece.
C210 series soldering tips are suitable for fine and precise soldering work with medium performance requirements. Due to their size, these tips are perfect for SMD work, soldering under the microscope, and for conventional components.

Features:
- excellent electroplating, good thermal performance
- very long durability for lead-free alloys

Order-no.	Type/measurements mm	Version
802190	C210007/2.3 x 0.7	straight
802180	C210008/1.3 x 0.6	straight
800175	C210019/0.2 x 0.1	straight
800177	C210021/0.6 x 0.3	straight
800178	C210022/1.3 x 0.4	straight
801685	C210023/0.4 x 0.2	straight
801061	C210024/0.8 x 0.3	straight

JBC Soldering Tip Series C245, Round Shape

C245 series soldering tips for the JBC T245 precision handpiece. The C245 series soldering tips are available in many different shapes, sizes and special models. They are suitable for general soldering work, SMD components or for applications with high power requirements, such as ground plane soldering.

Features:
- excellent electroplating, good thermal performance
- very long durability for lead-free alloys

Order-no.	Type/measurements mm	Version
801330	C245001/Ø 0.6	straight
801290	C245030/Ø 0.3	straight
801370	C245903/Ø 1.0	straight
801320	C245930/Ø 0.5	straight

JBC Soldering Tip Series C245, Chisel-shaped

C245 series soldering tips for the JBC T245 precision handpiece. The C245 series soldering tips are available in many different shapes, sizes and special models. They are suitable for general soldering work, SMD components or for applications with high power requirements, such as ground plane soldering.

Features:
- excellent electroplating, good thermal performance
- very long durability for lead-free alloys

Order-no.	Type/measurements mm	Version
801410	C245731/0.6 x 0,3	straight
801490	C245741/2.4 x 0.6	straight
801430	C245906/1.2 x 0.7	straight
801470	C245907/2.2 x 1.0	straight
800113	C245908/4.8 x 1.5	straight, High Thermal
800108	C245911/3.2 x 1.2	straight, High Thermal
801450	C245944/1.8 x 0.8	straight

JBC Universal Tip Cleaner CLMU

Produce the highest quality solder joints by cleaning the soldering tip with the CLMU Universal Tip Cleaner. It increases the heat transfer of the tip in just one second, saves time and optimizes the production result. The cleaner works in both sensor and continuous mode and offers thorough and gentle tip cleaning thanks to its fine bristle brushes with Ø 50 mm.
The splash guard helps to keep the workplace clean and free of impurities at all times. Its opening is edged with soft material to prevent accidental deformation of the tip.
The tip cleaner also has a second position that facilitates vertical access to the tip. The CLMU-A is supplied with two metal brushes for intensive cleaning.

Features:
- fast, thorough and gentle tip cleaning in just one second
- increase of heat transfer performance
- brushless motor, therefore the device is extremely silent
- Cleaning unit allows a vertical position for ergonomic use of the cleaner while standing

Technical data:
Dimensions L x W x H: 131 x 128 x 137 mm
Brush Ø: 50 mm
USB port: yes

Scope of delivery:
1 pcs. Tip cleaner CLMU
1 pair Cleaning brush CLMU

Order-no.	Version
803771	-A/metal brushes
803772	-PA/plastic brushes
803773	replacement brushes for CLMU, plastic, black
804052	replacement brushes for CLMU, metal, blue
803774	replacement brushes for CLMU, metal, black
803775	replacement brushes for CLMU, plastic, blue

JBC High Temperature Stripping Station WS

The WS is specially designed for stripping high-temperature wire insulation from thermostable materials such as Teflon[1], Kapton[2], silicone rubber, etc. The WS can be used for a wide range of applications. It has pre-defined performance levels for any type of material. It also has an adapted working mode.

Features:
• for stripping of Teflon[1], Kapton[2], silicone rubber

Technical data:
Temperature range: max. 800 °C
Dimensions L x B x H: 180 x 90 x 105 mm
USB port: yes

Scope of delivery:
1 pcs. Control unit WS-2A
1 pcs. Stripping tweezers WS440-A
        (without cartridges)
1 pcs. Stand WS-SA

Order-no.

804963

1, 2 Registered trademarks of DuPont

JBC Stripping Cartridge

Specially designed for stripping high-temperature wire insulation from thermo-stable materials such as Teflon[1], Kapton[2], silicone rubber, etc. The self-centering design ensures perfect tip alignment so that the insulation can be removed without damaging the conductors.
This cartridge series works with the WS440 high temperature wire stripper, which has an adjustable strip cross section to select the stripping length.

Scope of delivery:
1 pair Stripping Cartridge

Order-no.	Version
804965	AWG 28-18
804964	AWG 36-24
804966	flat blade

1, 2 Registered tramarks of DuPont

Techspray Desoldered Strand Premium

For very fast absorption, a resin flux impregnated strand is ideal for high-volume PCB production/repair.

Features:
• fast and safe soldering
• complies with flux specification MIL-F 14256D, R
• minimal heating of component / circuit
• colour coded ESD container
• wide choice of widths and lengths

Order-no.	Width mm	Length of roll m	Colour code
812070	0.9	3.0	white
812080	0.9	30.5	white
812090	1.4	1.5	yellow
812100	1.4	3.0	yellow
802319	1.4	7.6	yellow
803261	1.4	30.5	yellow
812110	1.9	1.5	green
812120	1.9	3.0	green
800944	1.9	7.6	green
812130	1.9	30.5	green
812140	2.5	1.5	blue
812150	2.5	3.0	blue
812160	2.5	7.6	blue
800943	2.5	30.5	brown

Techspray Desoldered Strand No-Clean

Removes four times more solder than conventional strands. The remaining residues are halogen-free and non-conductive, so the components do not have to be cleaned afterwards.

Features:
• no-clean flux
• very fast and safe solder pick-up
• complies with flux specification TR-NWT-000078 and IPC-SF-818
• antistatic colour-coded ESD container
• vacuum packed, therefore always optimal flux

Order-no.	Width mm	Length of roll m	Colour code
812210	0.9	1.5	white
812220	0.9	3.0	white
812240	1.4	1.5	yellow
812250	1.4	3.0	yellow
812260	1.4	7.6	yellow
812270	1.4	15.2	yellow
812280	1.9	1.5	green
812290	1.9	3.0	green
812300	1.9	30.5	green
812310	2.5	1.5	blue
812320	2.5	3.0	blue
812330	2.5	7.6	blue
812340	2.5	30.5	blue
812360	3.3	7.6	brown

Portable solder fume extraction systems for electronical production. Complete with point extraction and an installation kit, which includes all the necessary accessories for easy setup of a workstation.

Bofa Solder Fume Extraction Kit System V200

Extraction for series production with a surface extraction system. Powerful system to filter large air masses. The device has a multi-stage HEPA filter and a filter status indicator. Developed for fume extraction for one user. Ideal for production sites with changing requirements and the associated realignment of the workplace. Due to the minimal assembly requirements, the unit can be moved with the workbench if production requirements necessitate retooling within the factory.

The low-noise and comprehensive filtering elements are ideal for production sites where flexibility is required.
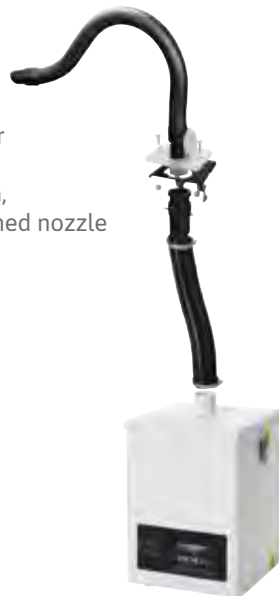
Features:
- for a work center
- unique, removable seal on mounting plate
- easy and quick to assemble
- Table mounting with socket function
- granulated activated carbon filter
- Display for filter saturation
- powder-coated housing

Technical data:

Power:	90 W
Dimensions L x W x H:	260 x 260 x 380 mm
Flow rate:	90 m³/h
Hose Ø:	50 mm
Length of hose:	2.5 m
Volume:	<54 dB(A)
Filter performance:	99.997 %

Scope of delivery:

1	pcs.	Extraction unit V200
1	pcs.	Combined HEPA/gas filter
1	pcs.	Pre-filter mat
1	pcs.	ESD suction arm, Ø 50mm, length 900 mm with inclined nozzle
1	pcs.	Suction hose 2.5 m
1	set	Table assembly set

Bofa Solder Fume Extraction Kit System V250

Extraction system for series production with two extraction arms to filter large air masses. The device has a multi-stage HEPA filter and a filter status indicator.
Suitable for protecting two users working side by side or facing each other.
Version with speed control: Extraction system for series production with two surface extraction systems and wired remote control. This enables switching on/off, power regulation (6-stage) and filter status display.

Features:
- for two workstations
- unique, removable seal on mounting plate
- easy and quick to assemble
- Table mounting with socket function
- granulated activated carbon filter
- Display for filter saturation
- powder-coated housing

Technical data:

Power:	135 W
Dimensions L x W x H:	260 x 260 x 380 mm
Flow rate:	180 m³/h
Hose Ø:	50 mm
Length of hose:	2.5 m
Volume:	<55 dB(A)
Filter performance:	99.997 %

Scope of delivery:

1	pcs.	Extraction unit V250
1	pcs.	Combined HEPA/gas filter
1	pcs.	Pre-filter mat
2	pcs.	ESD suction arm, Ø 50mm, length 900 mm with inclined nozzle
2	pcs.	Suction hose 2.5 m
2	set	Table assembly set
1	pcs.	Remote control (801107 only)

Order-no.	Item
812760	Bofa Solder fume extraction kit system V200
813310	Pre-filter, for system V200/V250
813330	Filter, V200/V250, gas filter
813320	Filter, V200/V250, combination filter

Order-no.	Item
812890	without 6-level speed regulation
801107	with 6-step speed control
813310	Pre-filter, for system V200/V250
813330	Filter, V200/V250, gas filter
813320	Filter, V200/V250, combination filter

Wetec Digital Dispensing System

The controllers of the TS series are equipped with a digital timer and a steplessly adjustable retention vacuum to prevent dripping of low viscosity media.

Features:
- economical, highly precise and repeatable
- suitable for all liquids
- identical in construction OKi/Metcal DX-250/DX-255

Technical data:

Dimensions L x W x H:	152 x 165 x 178 mm
Voltage:	100-240 V
Time range:	0.020-60 s
Cycle speed:	max. 600 Cycles/min

Scope of delivery:
1 pcs. Universal power supply
1 pcs. Foot switch
1 pcs. Filing stand
1 pcs. Compressed air hose
1 pcs. Cartridge (10 cc) with cartridge adapter and dosing needle kit

Order-no.	Type/Working pressure
814180	TS-250/0-6.9 bar
814190	TS-255/0-1 bar
814350	Finger switch, for dosing systems TS

Wetec Cartridges/ Stoppers, 50 pieces

Due to the high manufacturing accuracy of the inner diameter, a constant discharge volume of the entire cartridge content is achieved. The cartridges are made of silicone and chloride-free polypropylene. Eachunit contains the same number of cartridges and stoppers.

Features:
- transparent polypropylene
- double helix thread for secure fixation of the dosing needle

Technical data:
Operating pressure: max. 6.9 bar

Scope of delivery:
1 set Cartridges/plugs 50 pieces

Order-no.	for cartridge cm³
814321	3
814322	5
814323	10
814324	30
814325	55

Wetec Dispensing Needles

Dispensing needles consist of a silicone- and chloride-free polypropylene body with double helix thread and a stainless steel cannula. These dispensing needles are burr-free and the electrolytically polished cannula guarantees a constant material flow.

Scope of delivery:
1 pack 50 pieces

Order-no.	Internal Ø mm	Length mm	Colour code
802574	0.20	6.35	transparent
804053	0.25	6.35	red
802573	0.50	6.35	purple
802572	0.61	6.35	pink
802571	0.84	6.35	green
800017	0.15	12.7	lavender
800016	0.20	12.7	transparent
800015	0.25	12.7	red
800014	0.33	12.7	orange
800013	0.41	12.7	blue
800012	0.51	12.7	purple
800009	0.61	12.7	pink
800008	0.84	12.7	green
800602	1.19	12.7	grey
800007	1.37	12.7	amber
800006	1.60	12.7	olive
800025	0.33	25.4	orange
800024	0.41	25.4	blue
800023	0.51	25.4	purple
800022	0.61	25.4	pink
800021	0.84	25.4	green
800019	1.37	25.4	amber
800018	1.60	25.4	olive
800034	0.33	38.1	orange
800033	0.41	38.1	blue
800032	0.51	38.1	purple
800029	0.61	38.1	pink
800028	0.84	38.1	green
800027	1.37	38.1	amber
800026	1.60	38.1	olive

Wetec Synthetic Dispensing Needles

Tapered dispensing needles with Luer-Lock connection. Very suitable for soldering paste, grease etc.

Scope of delivery:
1 pack 50 pieces

Order-no.	Internal Ø mm	Colour code
800042	0.20	transparent
800041	0.25	red
800039	0.41	blue
800038	0.61	pink
800037	0.84	green
800036	1.19	grey
800035	1.60	olive

WETEC Strap connector pliers (SMD splicing pliers) with magazine CST-010

High-quality splice pliers for quick splicing of SMT belt connectors. The brass plates are located in the handle of the pliers and are automatically realigned after each splice cycle.

Features:
- simple operation
- fast and cost-efficient
- Apply in all kinds of SMT material (Paper or Emboss Reel)
- Quick connecting based on handy type
- Easy to install at docking station (pptional)
- Easily installing the Splice Clip
- Durability due to heat treatment of the special steel
- Splice Clip Applied WE-PSC-010 (809195) and WE-PSC-001 (809196)

Scope of delivery:
1   pcs. Belt connector pliers with depot

Order-no.	Item
809193	WETEC Strap connector pliers (SMD splicing pliers) with magazine CST-010
809195	Splice frame for belt connector pliers WE-CST-010, 20s pitch/4,000 pieces
809196	Splice frame for belt connector pliers WE-CST-010, 25 pitch/5,000 pieces

WETEC Strap connector pliers (SMD splicing pliers) with magazine CST-020

High-quality splice pliers for quick splicing of SMT belt connectors. The brass plates are located in the handle of the pliers and are automatically realigned after each splice cycle.

Features:
- Splicing without scrap
- simple operation
- fast and cost-efficient
- Apply in all kinds of SMT material (Paper or Emboss Reel)
- Quick connecting based on handy type
- Easy to install at docking station (pptional)
- Easily installing the Splice Clip
- Durability due to heat treatment of the special steel
- Suitable Splice-Clips WE-PSC-020 (809197)

Scope of delivery:
1   pcs. Belt connector pliers with depot

Order-no.	Item
809194	WETEC Strap connector pliers (SMD splicing pliers) with magazine CST-020
809197	Splice frame for belt connector pliers WE-CST-020

WETEC Splice-Tape

For connecting the cover tapes by means of adhesive strips.

Features:
- single withdrawal
- easy to use
- high adhesive strength
- ESD-compatible

Technical data:
Colour: blue

Scope of delivery:
1 pack 2,000 pieces
        Splice Tapes

Order-no.	Strap width mm
809338	8
809339	12
809340	16
809341	24

WETEC Splice frame for belt connector pliers WE-CST-010

For connecting the two strap ends. 25 connections can be made with one frame set.

Features:
- To connect both ends of Paper or Emboss Carrier Reel Tape
- Using for Stapler Type Splice Tool WE-CST-010 (809193)
- 20s/25s pitch in one frame
- Universal & Unique Type
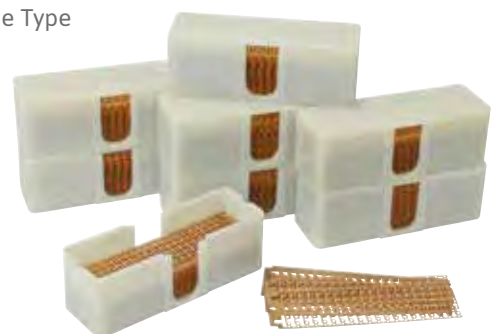
Order-no.	Packing unit pieces
809195	20s pitch/4,000
809196	25 pitch/5,000

WETEC ECO Magnifier lamp 436ESD, round

ESD magnifying lamp with large round lens, lens cover and shadow-free illumination. The light can be dimmed in five steps.

Features:
- Glass lens
- dimmable LED light

Technical data:

Voltage:	230 V
Max. pressure:	12 W
Lens Ø:	125 mm
Dioptres:	3 dpt
Magnification:	175 %
Total unloading:	800 - 900 mm
Light source:	60 LEDs
Colour:	black

Scope of delivery:
1 pcs. Magnifier lamp 436ESD
1 pcs. Table clamp
1 pcs. ESD-safe cover

Order-no.

806208

WETEC ECO Magnifier lamp 437ESD, round

ESD magnifying lamp with large round lens, lens cover and shadow-free illumination. The light can be dimmed in five steps.

Features:
- Glass lens
- dimmable LED light

Technical data:

Voltage:	230 V
Max. pressure:	16 W
Lens Ø:	180 mm
Dioptres:	3 dpt
Magnification:	175 %
Total unloading:	800 - 900 mm
Light source:	84 LED
Colour:	black

Scope of delivery:
1 pcs. Magnifier lamp 437ESD
1 pcs. Table clamp
1 pcs. ESD-safe cover

Order-no.

806209

WETEC ECO Magnifier lamp 446ESD, angular

ESD magnifying lamp with large round lens, lens cover and shadow-free illumination. The light can be dimmed in five steps.

Features:
- Glass lens
- dimmable LED light

Technical data:
Voltage:	230 V
Max. pressure:	14 W
Lens size:	190 x 160 mm
Dioptres:	3 dpt
Magnification:	175 %
Total unloading:	800 - 900 mm
Light source:	60 LEDs
Colour:	black

Scope of delivery:
1 pcs. Magnifier lamp 446ESD
1 pcs. Table clamp
1 pcs. ESD-safe cover

Bestell-Nr.

806210

WETEC ECO Workplace lamp 406ESD

Inexpensive workplace luminaire with five-step dimming function.

Features:
- dimmable LED light

Technical data:
Voltage:	230 V
Max. pressure:	20 W
Total unloading:	800-900 mm
Light source:	117 LEDs
Colour:	black

Scope of delivery:
1 pcs. Workplace lamp 406ESD
1 pcs. Table clamp
1 pcs. ESD-safe cover

Order-no.

806211

Luxo LED Magnifier Lamp WAVE, ESD

The WAVE-LED ESD is an ESD-safe magnifying lamp for industrial applications, with two 6W LED modules and a flexible self-balancing arm. It offers shadow-free illumination with light from both sides or three-dimensional magnification with one-sided light from the left or right side.

Features:
- including flexible, self-balancing luminaire arm
- shadow-free illumination from both sides or three-dimensional magnification by one-sided light

Technical data:

Voltage:	230 V
Max. pressure:	12 W, 12 W (UV)
Lens size:	175 x 108 mm
Magnification:	188/225 %
Total unloading:	1,050 mm
Light source:	LED
Colour temperature:	4,000 K
Focal length:	285,5/200
Protection class:	IP20
Colour:	black

Scope of delivery:
- 1 pcs. Magnifying lamp WAVE, ESD
- 1 pcs. Table clamp
- 1 pcs. Textile cover for lens

Order-no.	Version dpt	Light
800399	3,5	no UV
802505	5	no UV
805733	3,5	UV
805734	5	UV
802651	Attachment lens, dioptres 6 dpt, 150 %	
802652	Attachment lens, dioptres 4 dpt, 100 %	
802676	Table clamp, white	
802677	Table clamp, black	

Waldmann LED Magnifier Lamp SNLQ 54/2

The SNLQ literally brings "light and shadow": it offers the possibility to use light incidence with clear shadow formation for the recognition of certain details. But the SNLQ also supplies shadow-free light all round – for assembly and testing tasks, for example. Because this special magnifying lamp simply changes the light characteristics at the touch of a button.

Features:
- maintenance-free LED technology
- for strong, large-area and uniform lighting
- very good colour recognition
- segment circuit for detection of finest structures and defects
- large field of view for distortion-free vision
- absolutely scratch-resistant glass loupe
- independent adjustment of lamp head and magnifier

Technical data:

Voltage:	230 V
Max. pressure:	12 W
Lens size:	175 x 105 mm
Dioptres:	3
Magnification:	175 %
Total unloading:	430+400 mm
Light source:	LED
Colour temperature:	4,000 K
Degree of protection:	IP20

Scope of delivery:
- 1 pcs. Magnifier lamp
- 1 pcs. Magnifying glass cover
- 1 pcs. Ballast unit

Order-no.	Version	Colour
802601	ESD ⚠	black
802582	not ESD	light grey
816380	Table clamp, ESD ⚠	
816370	Table clamp, not ESD	

Daylight LED Magnifier Lamp iQ, ESD

The iQ ESD is a 100% ESD-safe illuminated magnifier, independently certified for use in EPA(Electrostatic Protected Areas) to IEC 61340-5-1 + ANSI/ESD 20:20. A fantastic 2-in-1 light source, powerful Daylight 6,000K LEDs ensure clarity and shadow-free illumination while UV-A (365nm) LEDs are ideal for conformal coating inspection as well as thorough checking of soldered joints, welds and any other mechanical stress areas. With 2 brightness levels to suit your tasks, joints that hold any position and a large 17.5cm lens, the iQ ESD is the ultimate 2-in-1 ESD-safe illuminated magnifier.

Features:
- 2-in-1 light source: powerful Daylight 6,000K LEDs and UV-A (365nm) LEDs
- 100% ESD-safe illuminated magnifier that is independently certified
- Optical quality glass lens
- Exceptionally strong and durable carbon fibre head and joint hold any position
- 2 brightness levels to adapt the lighting to your task at hand
- Long reach of 118cm so you position light exactly where you need it
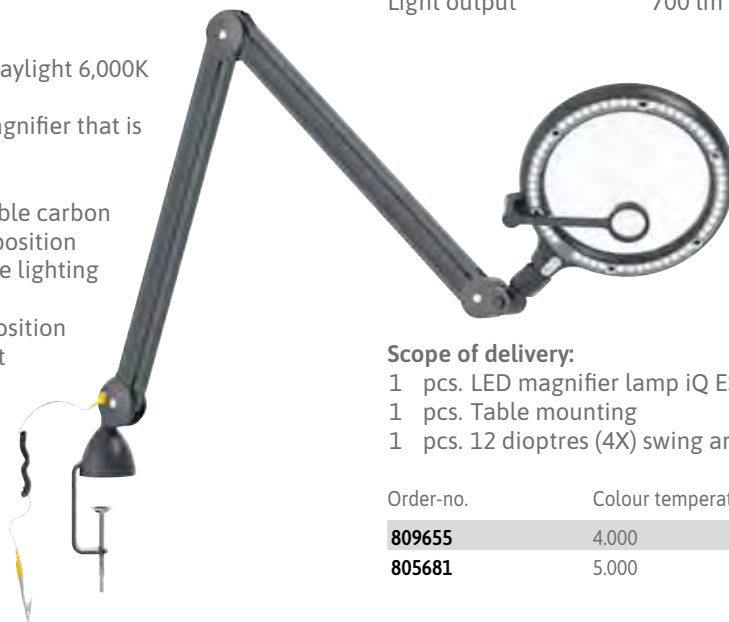
Technical data:

Voltage:	230 V
Max. pressure	12 W
Dioptres	3 dpt.
Magnification	1.75. %
Total unloading	1,180 mm
Light source	LED
Colour temperature	6,000 K
Luminance	6,000 and 4,000 Lux at 15cm
Colour	white/UV-A
UV wavelength	365 nm
Light output	700 lm

Scope of delivery:
1 pcs. LED magnifier lamp iQ ESD
1 pcs. Table mounting
1 pcs. 12 dioptres (4X) swing arm magnifier

Order-no.	Colour temperature K	
809655	4.000	610,30
805681	5.000	610,30

Waldmann Workstation Lamp STZL 24 AR, ESD

TANEO is a true all-rounder. No matter for what workplace, no matter in what sector – wherever optimum visibility must be guaranteed, uncompromising lighting is essential. With its light output suitable for nearly every application, high light quality and ergonomic handling, TANEO provides optimum working conditions and offers incomparable flexibility regarding its adjustment to individual and activity-related requirements.

Features:
- maintenance-free LED technology
- performance levels that meet all requirements
- continuous, flicker-free dimming
- area light free of shadows and glare caused by reflection
- good contrast vision and very good colour recognition
- optimum work results through applicationoriented selection of screens
- robust aluminium housing
- closed design to protect the user and the integrated technology
- uniquely movable and balanced frame with an enormous radius of action

Technical data:

Voltage:	230 V
Power:	approx. 24 W
Dimensions L x W x H:	398 x 136 x 33 mm
Glare control:	conical prism shutter
Light output:	approx. 1,100 lm
Colour rendering:	>80 CRI
Degree of protection:	IP20
Protection class:	I
Operation:	multifunction pushbutton
Material:	aluminium profile, ESD lacquering
Colour:	black

Scope of delivery:
1 pcs. Workstation lamp STZL 24 AR
1 pcs. Screw-on flange
1 pcs. Base
1 pcs. Table clamp

Order-no.	Colour temperature K	
805674	4.000	610,30
805681	5.000	610,30

Inspectis Video inspection system U30s Advanced

The U-Series video inspection system rounds out Inspectis high-end solutions, offering flexibly configurable 4K premium image quality in two different form factors, with either 10x or 30x optical zoom.

It relieves eye, neck and shoulder strain with its unique ergonomic design and 228 mm free working distance. The operator can sit comfortably in a good working position and inspection tasks can be performed more efficiently.

All basic parameters such as zoom, brightness and color levels can be controlled by the user via integrated buttons on the top of the unit.

Thanks to the sensitive image sensor and superior optics, the U30s delivers amazingly sharp images of objects with minimal glare and color fringing throughout the field of view.

Features:
- crystal clear images in 4K resolution
- for outstanding optical performance across the entire field of view
- long working distance
- switchable between UHD 4K and FHD output

Technical data:

Video output	Ultra HD 2160p/30, can be switched to Full HD 1080p/60
Sensor res	8.5 MP 3840(H) x 2160(V) 16:9 Format, CMOS image sensor with progressive scan
Resolution	1.62 x 1.62 µm
I/O Port	HDMI Video Output, 5P MiniDin Power Input, 8P MiniDin External Remote Control
Integrated control system	Zoom, iris, auto focus on/off, white balance, switch from 4K to Full HD format
Lighting	built-in LED matrix light, LED ring light
working temperature	-5 up to +40 °C
optical system	3.0 x zoom with autofocus and iris control
Working distance	228 mm
Magnification	x1 - x30 zoom factor
viewing area	with zoom factor x1 - x30

Scope of delivery:
1 pcs. Video inspection system U30s
1 pcs. Macro lens +10 diopter
1 pcs. ESD rail stand
1 pcs. XY floating plate
4 pcs. Magnetic pencils
1 pcs. LED ring light with removable diffuser
1 pcs. 4K HD USB3.0 Capture Pro with INSPECTIS Pro Software

Bestell-Nr.

809220

Kern & Sohn Compact Scale

Can be used as a counting or check weigher.

Features:
- for weighing not subject to legal control
- fine increment
- simple operation via 4 keys for weighing, taring and net-total weighing
- dust and splash water protected
- battery operation possible
- stainless steel weighing platform
- easy to read digits

Scope of delivery:
1 pcs. Compact scale
1 pcs. Power plug
1 pcs. Safety cover

Order-no.	Readability/ Reproducibility g	Weighing range/ minimum unit weight g	Weighing plate mm
818480	0.001	40/0.002	Ø 81
818490	0.01	200/0.02	Ø 105
805588	0.01	600/0.2	Ø 105
818500	0.01	400/0.02	Ø 105
818510	0.1	400/0.2	130 x 130
818520	0.1	1,000/0.2	130 x 130
818530	0.1	2,000/0.2	130 x 130
818570	0.2	6,000/0.4	150 x 170
818540	0.1	4,000/0.2	150 x 170
818550	1	4,000/2	150 x 170
818560	1	6,000/2	150 x 170

Kern Counting Scale CXB

Precision scale with large, illuminated 18 mm LCD display.

Features:
- automatic reference optimization gradually improves the average value of the part weight
- the desired reference sample quantity and known reference weight can be programmed
- three displays for weight indication (suitable for legal metrology), reference weight, total quantity
- acoustic fill-to-target, a signal sounds when the target value is reached
- counting total memory for adding up identical counting parts in total piece and total weight
- backlit display
- PRE-TARE function for manual advance deduction of a known container weight, this can be stored
- switching from counting mode to weighing mode at the touch of a button

Technical data:
Voltage: 230 V
Measurements W x D x H: 300 x 330 x 110 mm
Settling time: 2 s
Weighing unit: g
Weighing plate: 300 x 225 mm
Reference quantity: freely selectable
Ambient temperature: -10 up to 40 °C
Air humidity: 15-85 (non-condensing) %

Scope of delivery:
1 pcs. Counting scale
1 pcs. Weighing plate
1 pcs. Power supply
1 pcs. Safety cover
1 pcs. Internal battery

Order-no.	Readability/ Reproducibility g	Weighing range/ minimum unit weight g
805591	1	15,000/0.5
805592	2	30,000/1
805589	0,5	6,000/0.2

Kern Precision Scale PCB

The standard in the lab.

Features:
- PRE-TARE function for manual advance deduction of a known container weight, useful for filling quantity checks
- freely programmable weighing unit, e.g. direct display of thread length g/m, paper weight g/m^2, etc.
- with the recipe function, different components of a mixture can be added. The total weight of all components can be called up for checking purposes
- plus/minus weighings
- ring-shaped draft shield as standard, only for models with weighting plate size Ø 81 mm, weighing chamber Ø x H 90 x 40 mm

Technical data:
Voltage: 230 V
Measurements: 163 x 245 x 79 mm
Display: LCD, backlit
Digit height: 15 mm
Ambient temperature: 5-35 °C

Scope of delivery:
1 pcs. Precision scale
1 pcs. Safety cover

Order-no.	Readability/ Reproducibility g	Weighing range/ minimum unit weight g	Weighing plate mm
805251	0.01/0.01	1,000/2	130 x 130
805254	0.01/0.01	1,000/0.2	130 x 130
805255	0.1/0.1	10,000/2	150 x 170
805256	0.01/0.01	200/0.2	Ø 105
805257	0.1/0.1	2,000/2	130 x 130
805258	0.001/0.002	350/0.02	Ø 81
805259	0.01/0.02	3,500/0.2	130 x 130
805261	0.1/0.1	6,000/2	150 x 170

WETEC | ECO

Electronic side cutters and shears. The synthesis of price and performance.

Features:
- lowest effort, since the wire is sheared
- latest precision cutting technology
- ideal usability due to small opening angle
- highest service life due to a special hardening method and cutting stop
- special opening spring for less tedious working
- matte surface allows glare-free working
- soft two-component PVC handles, available with discharging handles

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WETEC ECO Shear 160

Model with particularly narrow handles for delicate hands (slim version). Comparison with standard handles, see the picture.

Technical data:

Typical bleeder resistor:	10^7-10^9 ohm
Length:	138 mm
Cutting performance Cu:	1.3 mm
Material thickness:	2.5 mm

Order-no.	Version
818860	extra slim standard handles
818870	extra slim ESD handles

WETEC ECO Shear 170

Technical data:

Typical bleeder resistor:	10^7-10^9 ohm
Length:	138 mm
Cutting performance Cu:	1.3 mm
Material thickness:	2.5 mm

Order-no.	Version
818900	Standard handles
818910	ESD handles
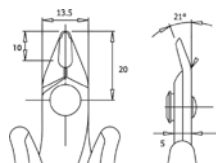
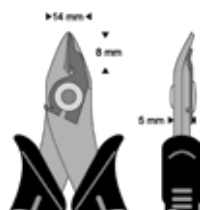# WETEC ECO 175 with Safety Clip

Model with additional sheet metal retaining spring that prevents the cut wires from flying away.

Technical data:

Typical bleeder resistor:	10^7-10^9 ohm
Length:	138 mm
Cutting performance Cu:	1.3 mm
Material thickness:	2.5 mm

Order-no.	Version
818920	Standard handles
818930	ESD handles

WETEC ECO Shear 180

Technical data:

Typical bleeder resistor:	10^7-10^9 ohm
Length:	138 mm
Cutting performance Cu:	1.3 mm
Material thickness:	2.5 mm

Order-no.	Version
818940	Standard handles
818950	ESD handles ⚠
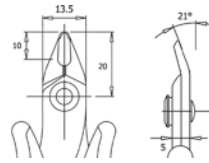
WETEC ECO Micron-Shear 170M

Extremely slim, lightweight design for working even in the tightest of places. Especially suitable for SMD components.
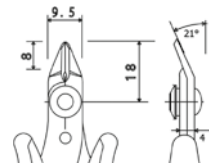
Technical data:

Typical bleeder resistor:	10^7-10^9 ohm
Length:	132 mm
Cutting performance Cu:	0.8 mm
Material thickness:	2.0 mm

Order-no.	Version
819160	Standard handles
819170	ESD handles ⚠

WETEC PRO Flat Nose Pliers

Technical data:

Typical bleeder resistor:	10^6-10^8 ohm
Length:	120 mm

Order-no.	Gripping surfaces
819830	smooth
819840	corrugated

WETEC PRO Needle nose pliers

Technical data:

Typical bleeder resistor:	10^6-10^8 ohm
Length:	120 mm

Order-no.	Gripping surfaces
819850	smooth
819860	corrugated

WETEC | PRO

German manufacturing technology that has been tried and tested for decades with a solid track record. With two different gripping surfaces to choose from.

Features:
- sturdy, put through precision joint
- drop-forged C60 carbon steel
- long service life guaranteed and guidance without free play
- hand-lapped mirror polish – rust protection without galvanic-chemical treatment
- soldered, smooth-running leaf springs, for less tedious work
- soft Santopren handles with conductive hard plastic on the inside

WETEC|PRO

High-Performance-Tools for applications with the highest precision requirements. Ergonomics and cutting-edge technology without compromise.

swissmade

Features:
- hidden embedded, readjustable precision screw joint
- guaranteed free of play gear
- perfect cutting geometry for fatigue-free, easy cutting without strain
- made from chrome silicon steel 100Cr6 (ball bearing steel)
- up to 5 times longer service life compared to conventional tool steels
- matte silver, glare-free surface
- smooth-running leaf springs, for less tedious working
- EGB 2-component handle with soft gripping surfaces on the outside and conductive hard plastic on the inside
- ESD handles

There are three cutting edge shapes to choose from:

SEMI FLUSH

With small bevel
Standard bevel for soft and medium hard wires. Semi flush cut.

FLUSH

Without bevel
Only for soft wires and soft plastics. Flush cut.

FULL FLUSH

Completely without bevel
Only for soft wires and plastics. Full flush cut.

Small wire science

Soft wires (Cu)
Copper wires (also nickel alloyed) and insulated copper wires. Tensile strength approx. 220 N/mm

Medium-hard wires (M)
Soft steel wires (e.g. diode wires, brads, nails). Tensile strength approx. 750 N/mm

Hard wires (H)
Steel wires (e.g. wire rope fibres, spring wires). Tensile strength approx. 1800 N/mm

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WETEC PRO Side Cutter, Small Oval Head

Allround version with great cutting performance.

Technical data:
Length: 123 mm
Hardness: 63-65 HRC

Order-no.	Type	Cutting performance Cu/m/H mm
819920	small blade	0.2-1.2/0.1-1.0/0.03-0.6
819930	without blade	0.1-1.2/0.1-1.0/-,-
819940	completely without blade	0.1-1.0/0.1-0.8/-,-
819915	Metal sheet holding spring 10.0 mm	
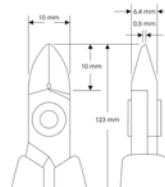
WETEC PRO Side Cutter, Wide Oval Head

Sturdy version with great cutting performance.

Technical data:
Length: 125 mm
Hardness: 63-65 HRC

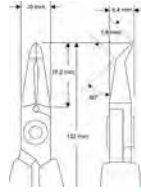| Order-no.	Type	Cutting performance Cu/m/H mm
819950	small blade	0.3-1.6/0.1-1.3/0.03-0.7
819960	without blade	0.2-1.6/0.1-1.2/-,-
819970	completely without blade	0.2-1.2/0.1-1.0/-,-
819916	Metal sheet holding spring 12.5 mm	
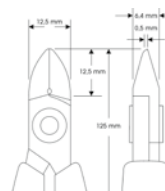
WETEC PRO Mini Diagonal End Cutting Pliers

50° angled, slim head, perfectly suitable for works on circuit boards and component connectors.

Technical data:
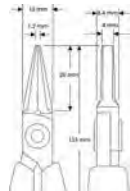Length: 132 mm
Hardness: 63-65 HRC

Order-no.	Type	Cutting performance Cu/M/H mm
820110	without blade	0.1-1.2/0.1-0.6/-,-

WETEC PRO Flat Nose Pliers

Short version with smooth or corrugated gripping surfaces.

Technical data:
Length: 133 mm
Hardness: 63-65 HRC

Order-no.	Gripping surfaces
820170	smooth
820180	corrugated

Illustrations show smooth version

WETEC PRO Pointed Nose Pliers, Long

Long, slim shape, with smooth or corrugated gripping surfaces.

Technical data:
Length: 143 mm
Hardness: 63-65 HRC
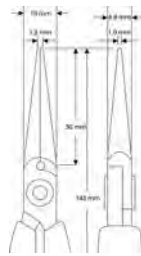
Order-no.	Gripping surfaces
820130	smooth
820140	corrugated

Knipex Electronic Side Cutter Super Knips ESD

Precision pliers for the finest cutting works in electronics and fine mechanics with electrostatically deducing handles (dissipative).

Features:
- grinded, very sharp blades without bevel
- shearing cut with controlled micro cutting edge misalignment for ultra precise cutting of the thinnest wires
- long service life
- precisely shaped tips separate wires from Ø 0.2 mm
- joint with stainless steel rivet
- extremely easy to use, for fatigue-free working
- with opening spring and opening limitation
- handles with multiple-component cover
- models 820720 and 820680 with additionally inductively hardened blades

Technical data:
Length: 125 mm
Blade hardness: INOX, approximately 54 HRC
Blade hardness: special tool steel approximately 64 HRC

KNIPEX made in Germany

Order-no.	Version	Cutting performance W/M mm
820625	INOX	0.2-1.6/1.0
820645	INOX, with wire clamp	1.6/1.0
820720	burnished, without wire clamp	1.6/1.0
820680	burnished, with wire clamp	1.6/1.2

WETEC Precision Tweezers
- **stainless/antimagnetic/acid-proof**
- **matte, glare-free, flawless surface**
- **polished edges**
- **handmade**
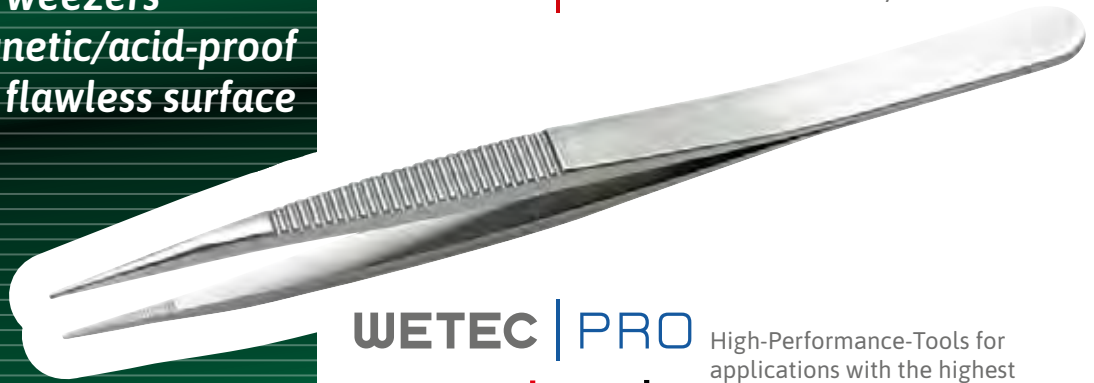
WETEC | ECO Tools in economy version

WETEC | PRO High-Performance-Tools for applications with the highest precision requirements

swissmade

WETEC Precision Multi-Purpose Tweezers 00D-SA

The tweezers with flat and serrated tips, reinforced blade and ribbed handles.

Technical data:
Length: 120 mm
Tip strength: 0.45 mm
Tip width: 0.9 mm

Order-no.	Type
820860	WETEC PRO
820870	WETEC ECO

WETEC Precision Multi-Purpose Tweezers 1-SA

The powerful tweezers with precise tips.

Technical data:
Length: 120 mm
Tip strength: 0.1 mm
Tip width: 0.15 mm

Order-no.	Type
820880	WETEC PRO
820890	WETEC ECO

WETEC Precision Multi-Purpose Tweezers 2A-SA

The flat tweezers with rounded tips.

Technical data:
Length: 120 mm
Tip strength: 0.05 mm
Tip width: 1.65 mm
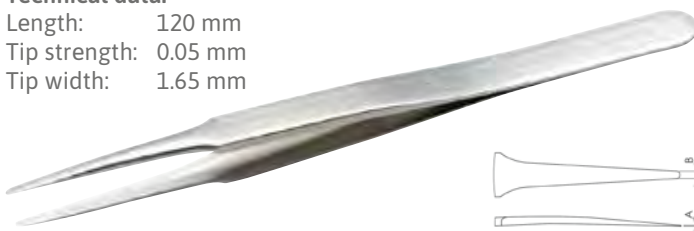
Order-no.	Type
820920	WETEC PRO
820930	WETEC ECO

WETEC Precision Multi-Purpose Tweezers AA-SA

The universal multi-purpose and equipping tweezers with reinforced tips.

Technical data:
Length: 130 mm
Tip strength: 0.3 mm
Tip width: 0.25 mm

Order-no.	Type
820800	WETEC PRO
820810	WETEC ECO

WETEC Component Precision Tweezers

The tweezers for cylindrical components with different diameters.

Features:
- antiscratch

Order-no.	Version	Length mm	Component-Ø mm
821600	571-SA, straight	145	2.5-5
821630	572-SA, cross	145	2.5-5
821660	573-SA, diagonal	145	2.5-5
803399	574-SA, straight	120	3
821610	577-SA, straight	115	2
821640	578-SA, cross	115	2
821670	579-SA, diagonal	115	2
821620	581-SA, straight	115	1
821650	582-SA, cross	115	1
821680	583-SA, diagonal	115	1

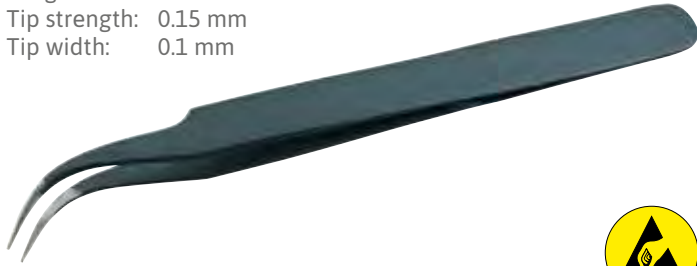## WETEC Precision Multi-Purpose Tweezers 7-SA-ESD

The fine tweezers with sickle-shaped tips and black ESD coating.

Features:
- eye-friendly
- heat-resistant up to 120 °C
- ESD secure

Technical data:
Length: 115 mm
Tip strength: 0.15 mm
Tip width: 0.1 mm

Order-no.	Type
821340	WETEC ECO

WETEC Precision Multi-Purpose Tweezers AA-SA-ESD

The universal multi-purpose and equipping tweezers with reinforced tips and black ESD coating.

Features:
- eye-friendly
- heat-resistant up to 120 °C
- ESD secure

Technical data:
Length: 130 mm
Tip width: 0,3 mm
Tip strength: 0.25 mm

Order-no.	Type
821310	WETEC ECO

WETEC Precision Multi-Purpose Tweezers PSF-SA-ESD

The SMD assembly tweezers with angular-slim tips and black ESD coating.

Features:
- eye-friendly
- heat-resistant up to 120 °C
- ESD secure

Technical data:
Length: 127 mm
Tip strength: 0.15 mm
Tip width: 0.45 mm
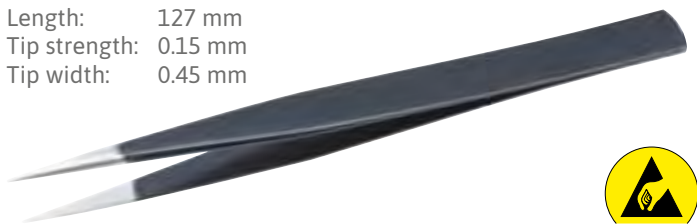
Order-no.	Type
821380	WETEC PRO

WETEC Plastic Tweezers

Type CF
- conductive carbon fibre reinforced PA (Carbofib), black
- EED safe, surface resistance 10^2 ohm (no dust attraction)
- good chemical resistance (oil, grease, apolar solvents)
- high abrasion resistance and scratch resistant
- temperature stable up to 130 °C, short-term up to 190 °C

Type CP
- conductive carbon fibre reinforced PEEK (Polyetheretherketone), black
- ESD-safe, surface resistance 10^6 ohm
- very hard and stiff
- extremely high tensile strength and very low wear and tear
- excellent resistance to aggressive chemicals
- very temperature stable up to 260 °C, short-term up to 300 °C

Type SV
- conductive carbon fibre reinforced PVDF, black
- ESD-safe
- sterilizable, radiation resistant
- excellent resistance against aggressive chemicals, halogens and halogenated hydrocarbons
- temperature stable up to 150 °C, short-term up to 200 °C

WETEC Precision Multi-Purpose Tweezers 259

With fine 0.5 mm wide interchangeable plastic tips.

Technical data:
Length: 130 mm

Order-no.	Version
822260	CF
822270	CP
822280	SV
822290	Replacement tip set, version CF
822300	Replacement tip set, version CP

WETEC All-Plastic Tweezers 707

Tweezers with 0.5 mm wide, stepped tips.

Technical data:
Length: 115 mm

Order-no.	Version
822380	CF
822390	SV

WETEC All-Plastic Tweezers 7079

Tweezers with 3.3 mm wide flat tips.

Technical data:
Length: 115 mm

Order-no.:	Version
822470	CF
822480	SV

Erem cutter and pliers with ergonomic handles. The handle shape and special materials guarantee a soft feel, ease of use and safety.

Weller®
Erem®

Erem Side Cutter 522N, Oval Head, ESD

Oval head side cutter suitable for microelectronics, with resharpenable cutting edge made of high-quality tool steel, ESD safe. Medium size for use with small bevel.

Features:
- for all cutting tasks at easily accessible places
- foam handles
- glare-free surface

Technical data:
Cutting performance Cu/M/H: 1.6/1.0/- mm
Cut: without blade
Length: 115 mm
Head width: 11 mm
Head thickness: 6 mm
Head length: 19 mm

Order-no.

805829

Erem Side Cutter 2432E, Bevelled Head, ESD

The solid head allows a high cutting capacity and is characterized by robustness.

Features:
- for all cutting tasks at easily accessible places
- ergonomic foam handles
- glare-free surface

Technical data:
Cutting performance Cu/M/H: 1.5/0.7/- mm
Cut: perfectly flat
Length: 130 mm
Head width: 11 mm
Head thickness: 6 mm
Head length: 19 mm

Order-no.

805852

Erem Carbide Side Cutter 576TX, ESD

Side cutters for microelectronics. The underside is recessed for work in extremely inaccessible places.

Features:
- top cutter with pointed, pecessed head
- carbide cutting edge
- ESD safe

Technical data:
Cutting performance Cu/M/H: 1.0/0.3/0.2 mm
Cut: without blade
Length: 115 mm
Head width: 11 mm
Head thickness: 6 mm
Head length: 19 mm

Order-no.

805139

Erem Side Cutter T622N, Oval Head, ESD

Oval head side cutter suitable for microelectronics, with resharpenable cutting edge made of high-quality tool steel, ESD safe. Medium size for use without bevel.

Features:
- for all cutting tasks at easily accessible places
- foam handles
- glare-free surface

Technical data:
Cutting performance Cu/M/H: 1.2/0.7/- mm
Cut: without blade
Length: 110 mm
Head width: 9 mm
Head thickness: 6 mm
Head length: 15 mm

Order-no.

805851

Erem Forming Pliers 542E, Fine Jaws, ESD

Flat nose pliers with fin

Features:
- suitable for gripping
- for fine and standard
- reflection-free surfac

Technical data:
Length: 120 m
Head width: 11 mr
Head thickness: 6 mm
Jaw length: 23 mr

Order-no.

805855

Erem Cutting Tweezers 15AGW

The combination of precisely manufactured, symmetrical tips and perfect balance make Erem tweezers an outstanding high-precision tool of the best quality.

Features:
- suitable for cutting fine, soft wires and small components
- enables high-precision cuts
- hardened cutting edges for a long service life

Technical data:
Length: 115 mm
Material: carbon steel
Cutting performance Cu: Ø 0.25 mm

Order-no.	Version	Blade width mm
805853	slender, slanted head	5.5
805142	slender, slanted head	9.5

Erem Tweezers OODSA, Serrated

Precision tweezers with fine tips. Very robust. Suitable for standard applications, e.g. for assembly in electronics. With ribbed finger profile and inside ribbed tips for secure holding.

Features:
- for applications in microelectronics, jewellery production, watch industry, medicine and laboratory technology
- suitable for fine standard applications and precision work on small components or wires
- non-magnetic, stainless, acid-proof, heat-resistant

Technical data:
Length: 120 mm

Order-no.	Version
805854	fine, straight tips

Erem Tweezers E7SA, Ergonomic, ESD

Ergonomic precision tweezers with curved, strong tips, e.g. for work in hard-to-reach places. .

Features:
- ergonomically shaped handles prevent wrist tunnel syndrome (CTS) and premature hand fatigue
- two-coloured, heat-insulated handles made of soft foam material guarantee high comfort
- made of antimagnetic, acid-resistant and stainless steel alloy

Technical data:
Length: 120 mm

Order-no.	Version
805831	curved, strong tips

Erem Micro Tweezers M5S

The combination of precisely manufactured, symmetrical tips and perfect balance make Erem tweezers an outstanding high-precision tool of the best quality.

Features:
- for applications in microelectronics, jewellery production, watch industry, medicine and laboratory technology
- suitable for fine standard applications and precision work on small components or wires
- stainless steel
- reflection-free surface
- robust tips

Technical data:
Length: 80 mm

Order-no.	Version
805141	fine, straight tips

WETEC screwdriver, ESD

Two special plastics are used. These materials have an increased electrical conductivity due to additives, so that any electrostatic charge that may occur can be dissipated without any problems.
This makes these screwdrivers ideal for working on electronic components that are very sensitive to static charges, e.g. semiconductors, computers, electronic circuit boards, etc.

Features:
- Dual-component design
- Blade made of molybdenum-vanadium special steel
- fully hardened
- chrome-plated with burnished tip
- Hanging hole in handle
- ESD safe

Technical data:
Surface resistance: 10^6-10^7 ohm

made
in
Germany

WETEC Slotted screwdriver, ESD

Order-no.	Blade width/length mm	Total length mm
805899	2,5x75	165
805901	3,0x100	190
805902	4,0x100	200
805903	5,5x125	235
805904	6,5x150	260

WETEC Phillips-tip screwdriver, ESD

Order-no.	Blade width/length mm	Total length mm
805911	PH0x60	150
805912	PH1x80	180
805913	PH1x300	400
805914	PH2x100	210
805915	PH2x300	410

WETEC Torx screwdriver, ESD

Order-no.	Blade width/length mm	Total length mm
805916	TX3x60	150
805917	TX4x60	150
805918	T5x70	160
805919	T6x70	160
805921	TX7x70	160
805922	TX8x70	160
805923	TX9x70	160
805924	TX10x80	180
805925	TX15x80	180
805926	TX20x90	190

WETEC Pozidriv screwdriver, ESD

Order-no.	Blade width/length mm	Total length mm
805905	PZ0x60	150
805906	PZ1x80	180
805907	PZ1x300	400
805908	PZ2x100	210
805909	PZ2x300	410

WETEC Slotted/Phillips screwdriver set, ESD, 5 pcs.

Scope of delivery:
1 pcs. Slotted screwdriver 3.0 x 100 mm
1 pcs. Slotted screwdriver 4.0 x 100 mm
1 pcs. Phillips screwdriver 0 x 60 mm
1 pcs. Phillips screwdriver 1 x 80 mm
1 pcs. Phillips screwdriver 2.0 x 100 mm

Order-no.

805989

WETEC Torx screwdriver set, ESD, 5 pcs.

Scope of delivery:
1 pcs. Torx screwdriver T6
1 pcs. Torx screwdriver T8
1 pcs. Torx screwdriver T9
1 pcs. Torx screwdriver T10
1 pcs. Torx screwdriver T15

Order-no.

805991

WETEC precision screwdriver, ESD

Two special plastics are used. These materials have an increased electrical conductivity due to additives, so that any electrostatic charge that may occur can be dissipated without any problems.
This makes these screwdrivers ideal for working on electronic components that are very sensitive to static charges, e.g. semiconductors, computers, electronic circuit boards, etc.

Features:
• Dual-component design
• Blade made of molybdenum-vanadium special steel
• fully hardened
• chrome-plated with burnished tip
• Hanging hole in handle
• ESD safe

Technical data:
Surface resistance: 10^6-10^7 ohm

made
in
Germany

WETEC Slotted precision screwdriver, ESD

Order-no.	Blade width/length mm	Total length mm
805869	1,2x60	160
805871	1,5x60	160
805872	2,0x60	160
805873	2,5x75	175
805874	3,0x75	175

WETEC Phillips precision screwdriver, ESD

Order-no.	Blade width/length mm	Total length mm
805882	PH000x60	160
805883	PH00x60	160
805884	PH0x60	160
805885	PH1x80	180

WETEC Torx precision screwdriver, ESD

Order-no.	Blade width/length mm	Total length mm
805875	TX2x60	160
805876	TX3x60	160
805877	TX4x60	160
805878	TX5x70	170
805879	TX6x70	170
805881	TX8x70	170

WETEC Hexagon precision screwdriver, ESD

Order-no.	Blade width/length mm	Total length mm
805886	SW0,9x60	160
805887	SW1,3x60	160
805888	SW1,5x60	160
805889	SW2,0x60	160
805891	SW2,5x60	160
805892	SW3,0x60	160

WETEC Socket spanner precision screwdriver, ESD

Order-no.	Blade width/length mm	Total length mm
805893	SW3,5x60	160
805894	SW4,0x60	160
805895	SW4,5x60	160
805896	SW5,0x60	160
805897	SW5,5x60	160

WETEC precision screwdriver sets, ESD

Two special plastics are used. These materials have an increased electrical conductivity due to additives, so that any electrostatic charge that may occur can be dissipated without any problems.
This makes these screwdrivers ideal for working on electronic components that are very sensitive to static charges, e.g. semiconductors, computers, electronic circuit boards, etc.

Features:
- in plastic case with milled foam inlays
- ESD safe

Technical data:
Surface resistance: 10^6-10^8

made
in
Germany
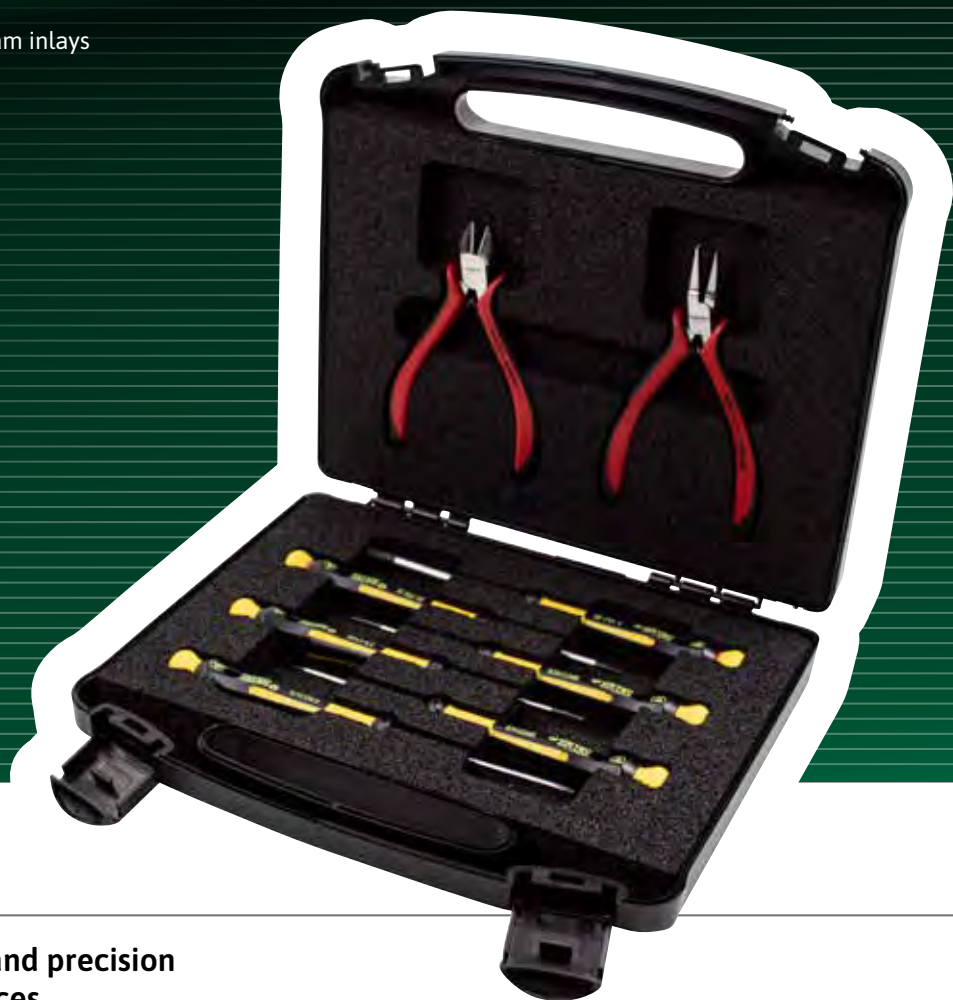
WETEC Electronics pliers and precision screwdriver set, ESD, 8 pieces

The screwdrivers are equipped with a rotating cap and a colour coding system for easy handling and recognition. The blade is made of molybdenum-vanadium special steel, through-hardened and chrome-plated with a burnished tip.
The Protec pliers set consists of a side cutter with oval head and small bevel, as well as needle-nose pliers with smooth gripping surfaces.
The pliers are characterised by a robust, pierced precision joint and their drop-forged C60 carbon steel. This ensures a guaranteed long service life and guidance without play.
A hand-lapped mirror polish ensures rust protection without galvanic-chemical treatment. Soldered-in, smooth-running leaf springs are the basis for fatigue-free working.
Velvety-soft Santoprene handles with conductive hard plastic inside ensure good handling.

Scope of delivery:
1   pcs. ESD plastic case
2   pcs. ESD foam inlay, milled
1   pcs. ESD precision screwdriver, Phillips PH0x60 mm
1   pcs. ESD precision screwdriver, Phillips PH1x80 mm
1   pcs. ESD precision screwdriver, slot 1.2x60 mm
1   pcs. ESD precision screwdriver, slot 1.5x60 mm
1   pcs. ESD precision screwdriver, slot 2.0x60 mm
1   pcs. ESD precision screwdriver, slot 2.5x75 mm
1   pcs. Needle-nose pliers WETEC PRO
1   pcs. Side cutters WETEC PRO, oval head, type with small bevel

Order-no.

805996

WETEC Slotted/Phillips precision screwdriver set, ESD, 6 pieces

Features:
- in plastic case with milled foam inlays
- Colour coding system yellow & red

Scope of delivery:
1 pcs. ESD plastic case
1 pcs. ESD foam inlay, milled
1 pcs. ESD lid foam, studded
1 pcs. ESD precision screwdriver, slot 1.5x60 mm
1 pcs. ESD precision screwdriver, slot 2.0x60 mm
1 pcs. ESD precision screwdriver, slot 2.5x75 mm
1 pcs. ESD precision screwdriver, slot 3.0x75 mm
1 pcs. ESD precision screwdriver, Phillips PH00x60 mm
1 pcs. ESD precision screwdriver, Phillips PH0x60 mm

Order-no.

805992

WETEC Hexagon precision screwdriver set, ESD, 6 pieces

Features:
- in plastic case with milled foam inlays
- Colour coding system grey

Scope of delivery:
1 pcs. ESD plastic case
1 pcs. ESD foam inlay, milled
1 pcs. ESD lid foam, studded
1 pcs. ESD precision screwdriver, hexagonl 0.9x60 mm
1 pcs. ESD precision screwdriver, hexagon 1.3x60 mm
1 pcs. ESD precision screwdriver, hexagon 1.5x60 mm
1 pcs. ESD precision screwdriver, hexagon 2.0x60 mm
1 pcs. ESD precision screwdriver, hexagon 2.5x60 mm
1 pcs. ESD precision screwdriver, hexagon 3.0x60 mm

Order-no.

805993

WETEC Torx precision screwdriver set, ESD, 6 pieces

Features:
- in plastic case with milled foam inlays
- Colour coding system white

Scope of delivery:
1 pcs. ESD plastic case
1 pcs. ESD foam inlay, milled
1 pcs. ESD lid foam, studded
1 pcs. ESD precision screwdriver, Torx T2x60 mm
1 pcs. ESD precision screwdriver, Torx T3x60 mm
1 pcs. ESD precision screwdriver, Torx T4x60 mm
1 pcs. ESD precision screwdriver, Torx T5x70 mm
1 pcs. ESD precision screwdriver, Torx T6x70 mm
1 pcs. ESD precision screwdriver, Torx T8x70 mm

Order-no.

805994

WETEC Hexagon socket precision screwdriver set, ESD, 5 pieces

Features:
- in plastic case with milled foam inlays
- Colour coding system

Scope of delivery:
1 pcs. ESD plastic case
1 pcs. ESD foam inlay, milled
1 pcs. ESD lid foam, studded
1 pcs. ESD precision screwdriver, socket spanner 3.5x60 mm
1 pcs. ESD precision screwdriver, socket spanner 4.0x60 mm
1 pcs. ESD precision screwdriver, socket spanner 4.5x60 mm
1 pcs. ESD precision screwdriver, socket spanner 5.0x60 mm
1 pcs. ESD precision screwdriver, socket spanner 4.5x60 mm

Order-no.

805995

WIHA Screwdriver, Precision, ESD

Precision screw handle with rotating cap made of high-quality plastic. Blade made of chrome vanadium steel, hardened throughout, matt chrome plated. Ideal for fine and delicate screw work in electronics, precision mechanics, model making and hobby work.

Features:
- blade made from chromium vanadium molybdenum steel
- chrom top blade tip
- fully hardened
- highest quality and size accuracy
- ESD-safe acc. to IEC 61340-5-1

Technical data:
Surface resistance: 10^6-10^9 ohm

Order-no.	Form	Blade width/ length mm	Total length mm
826570	Slit	1.5x40	120
826580	Slit	2.0x40	120
826590	Slit	2.5x50	145
826600	Slit	3.0x50	145
826610	Slit	3.5x60	170
826620	Slit	4.0x60	170
826670	Phillips	PH000x40	120
826680	Phillips	PH00x40	120
826690	Phillips	PH0x50	145
826700	Phillips	PH1x60	170
802927	Pozidriv	PZ1x60	170
827090	Hexagon	0.7x40	120
827100	Hexagon	0.9x40	120
827110	Hexagon	1.3x40	120
827120	Hexagon	1.5x50	145
827130	Hexagon	2.0x50	145
827140	Hexagon	2.5x60	170
827150	Hexagon	3.0x60	170
827160	Hexagon	4.0x60	170
827220	Hexagonal ball head	1.5x50	145
827230	Hexagonal ball head	2.0x50	145
827240	Hexagonal ball head	2.5x60	170
827250	Hexagonal ball head	3.0x60	170
827390	Allen wrench	1.5x60	155
827400	Allen wrench	2.0x60	155
827410	Allen wrench	2.5x60	155
827420	Allen wrench	3.0x60	155
827430	Allen wrench	3.5x60	155
827440	Allen wrench	4.0x60	155

Order-no.	Form	Blade width/ length mm	Total length mm
827450	Allen wrench	4.5x60	155
827460	Allen wrench	5.0x60	155
827470	Allen wrench	5.5x60	170
826830	TORX	T1x40	120
826840	TORX	T2x40	120
826850	TORX	T3x40	120
826860	TORX	T4x40	120
826870	TORX	T5x40	120
826880	TORX	T6x40	120
826890	TORX	T7x40	120
826900	TORX	T8x40	120
826910	TORX	T9x50	145
826920	TORX	T10x50	145
826930	TORX	T15x60	170
802935	TORX	T20x60	170
802928	TORX MagicSpring	T6x40	120
802929	TORX MagicSpring	T7x40	120
802931	TORX MagicSpring	T8x40	120
802932	TORX MagicSpring	T9x50	145
802933	TORX MagicSpring	T10x50	145
826940	TORX PLUS	4IPx40	120
826950	TORX PLUS	5IPx40	120
826960	TORX PLUS	6IPx40	120
826970	TORX PLUS	7IPx40	120
826980	TORX PLUS	8IPx40	120
826990	TORX PLUS	9IPx50	145
827000	TORX PLUS	10IPx50	145
827010	TORX PLUS	15IPx60	170

WIHA Torque Screwdriver TorqueVario-S, ESD

With variable torque adjustment. New concept with very handy torque screwdrivers, which can be used wherever precise work and repeat accuracy are required. The required torque can be infinitely adjusted with the included adjustment tool. The set value can be read in the window. When loosening screws, a controlled torque is applied which is about 30 % higher than the closing torque.

Features:
- ergonomic multi-component handle made of electrostatically dissipative plastic
- extremely handy due to light and compact design
- click signal when reaching the set torque value

Technical data:
Accuracy: ± 6 % (Modell 10 - 60 Ncm = ± 10 %)

Scope of delivery:
1 pcs. Torque screwdriver in plastic box
1 pcs. Adjusting tool
1 pcs. Universal bit holder

Order-no.	Measuring range Nm	Length mm	Accuracy %
800428	0.04-0.46	127	10
800431	0.1-0.6	127	6
827790	0.1-0.6	127	10
827800	0.4-1.0	127	6
827810	0.5-2.0	131	6
800432	0.8-5.0	138	6

Kilews Cordless Screwdriver, SKC series

Professional cordless screwdriver in industrial quality.

Features:
- first cordless rod screwdriver in industrial quality
- high repeat accuracy as with wired electric screwdrivers
- durable and maintenance-free thanks to brushless motor technology
- battery cell monitoring

Technical data:
Voltage: 10,8 V
Accuracy: ± 3 %
Dimensions L x Ø: 270 x 60 mm (without battery)
Torque adjustment: continuously variable
Output: 1/4" Bit

Scope of delivery:
1   pcs. Battery powered rod screwdriver SKC
2   pcs. Li-Ion battery SKC-LB1025S
1   pcs. Aluminium torque sleeve
2   pcs. Bits
1   pcs. Suspension spring and belt clip

Order-no.	Torque Nm	Speed HI/LO U/min	Version
804281	0.3-2.0	1,200/850	not ESD
805757	0.3-2.0	1,200/850	ESD
804282	0.8-3.0	1,200/850	not ESD
805758	0.8-3.0	1,200/850	ESD
804283	1.5-4.5	700/500	not ESD
805756	1.5-4.5	700/500	ESD
804284	Charger for cordless screwdriver series SKC		

Kilews Battery-powered gun screwdriver, SKC series

Professional cordless screwdriver in industrial quality.

Features:
- high repeat accuracy as with wired electric screwdrivers
- durable and maintenance-free thanks to brushless motor technology
- battery cell monitoring
- ESD version with dissipative screwdriver case

Technical data:
Voltage: 10,8 V
Accuracy: ± 3 %
Torque adjustment: continuously variable
Output: 1/4" Bit

Scope of delivery:
1   pcs. Battery-powered gun screwdriver SKC-PTA-BT
1   pcs. Li-Ion battery SKC-LB1025S

Order-no.	Torque Nm	Speed HI/LO Rpm	Version
808935	0,5-2,0	2.700/1.900	No ESD
808936	0,5-2,0	2.700/1.900	ESD
808937	0,8-3,0	1.400/1.000	No ESD
808938	0,8-3,0	1.400/1.000	ESD
808939	1,5-4,5	800/550	No ESD
808941	1,5-4,5	800/550	ESD
804285	Li-Ion battery SKC-LB1025S		

Kilews Li-Ion battery SKC-LB0725S

Features:
- High Performance Lithium-Ion rechargeable battery for SKC-PTA-BS12
- with protection function against overcharging, deep discharging and overheating during the charging process
- Battery ID for recognising the rechargeable battery in the charger

Technical data:
Voltage: 7,2 V
Capacity: 2.500 mAh
Dimensions L x W x H: 51 x 44 x 70 mm

Scope of delivery:
1   pcs. SKC-LB0725S rechargeable battery

Order-no.
809376

Kilews Li-Ion battery SKC-LB1025S

Features:
- High Performance Lithium-Ion rechargeable battery for SKC-PTA-BS
- with protection function against overcharging, deep discharging and overheating during the charging process
- Battery ID for recognising the rechargeable battery in the charger

Technical data:
Voltage: 10.8 V
Capacity: 2.500 mAh
Power: 25 W
Dimensions L x W x H: 89 x 41 x 51 mm
Charging time: 40 min

Scope of delivery:
1 pcs. SKC-LB1025S rechargeable battery

Order-no.
804285

Kilews Torque Gauge

For exact determination of the torque and to check the set torque. Light compact device, suitable for mobile use.

Features:
- measured value tolerance adjustable, including IO/NIO evaluation
- USB connection for data archiving on PC and printer (KTM-CSH with RS-232 interface)
- auto reset function
- measuring direction for left and right rotation
- units of measurement Lbf in - kgf cm - Nm
- measuring mode: Peak value, 1. Peak value, real-time display

Technical data:
Voltage: 5 x 1.2 V battery
Accuracy: ± 1 %
Charging time: 8 hours
Battery operation: 30 hours
Battery life: rechargeable up to 300 times

Scope of delivery:
1 pcs. Torque gauge
2 pcs. Screw joint simulators (AJ-3, AJ-15)
1 pcs. Box
1 pcs. Calibration certificate

Order-no.	Measuring range Nm
800092	0.1-1.50
800164	0.15-15.00
804286	3.0-25.0

Kilews SKC-P25W charger

Small, lightweight quick charger for High Performance Lithium-Ion battery SKC-LB0725S.

Features:
- for cordless screwdriver series SKC-PTA-BS12
- automatic battery type recognition
- warning signal for overcharge protection, overheating protection and overvoltage protection

Technical data:
Voltage: 8,4 V
Dimensions L x W x H: 115 x 145 x 101 mm

Scope of delivery:
1 pcs. SKC-P25W charger
1 pcs. Cable type

Order-no.
809377

Kilews Charger SKC-P50W-S

Small, lightweight quick charger for high performance lithium-ion batteries.

Features:
- for cordless handheld screwdriver series SKC-PTA-BS
- automatic battery type recognition
- warning signal for overcharge protection, overheating protection and overvoltage protection

Technical data:
Voltage: DC12.6 V
Dimensions L x W x H: 115 x 145 x 93 mm
Charging time: 40 min

Scope of delivery:
1 pcs. Charger SKC-P50W-S
1 pcs. Cable type

Order-no.
804284

Kilews Screw Separator, Adjustable

This powerful screw dispenser is suitable for all screws from 1.0 to 5.0 mm and up to 19 mm thread length. The screws are provided by a paddle wheel in a vibrator feed rail. The removal position is provided with a bit guide and can be individually adjusted to different screws.

Features:
• adjustable in 11 steps for screw sizes from 1.0 to 5.0 mm
• adjustable also for top-heavy screws and screws with captive washer
• cost savings due to easily adjustable feed rail
• sensors detect whether a screw is in the removal position and switch the device off automatically
• adjustable vibration speed

Technical data:
Voltage: 230 V
Dimensions L x W x H: 182 x 126 x 147 mm
For screws: M1.0 - M5.0
Screw length: up to 19 mm thread length
Screw container: 200-220 ccm
Thread length: max. 19 mm

Scope of delivery:
1 pcs. Screw separator
1 set Comprehensive adapter set

Order-no.
828810

Delvo Electric Screwdriver 73 Series

Delvo electric screwdriver with separate control unit, with lever start and shut-off clutch. In order to avoid damaging the sensitive screw heads, the screwdriver starts at a low speed, which is automatically increased.

Features:
• with lever start
• torque infinitely adjustable
• with shut-off clutch
• 1/4" hexagon bit holder
• ESD-compliant (selected versions)
• suitable control unit 802375 (6-PIN) or 828290 (5-PIN)
• without control unit

Technical data:
Voltage: 36 V
Repeatability: ± 3 %
Handle Ø: 32 mm
Length: 207 mm

Scope of delivery:
1 pcs. Electric screwdriver without control unit

Product may deviate from image

Order-no.	Version	Torque/speed U/min.	Connector/ PIN
828220	ESD ⚠	0.05-0.49 Nm/700-1,000	6
800927	standard	0.05-0.49 Nm/700-1,000	5
800928	grounded Bit	0.05-0.49 Nm/700-1,000	6
800929	Clean room ESD ⚠	0.05-0.49 Nm/700-1,000	6
800931	Clean room	0.05-0.49 Nm/700-1,000	5
828230	ESD ⚠	0.29-1.18 Nm/700-1,000	6
800933	standard	0.29-1.18 Nm/700-1,000	5
800934	grounded Bit	0.29-1.18 Nm/700-1,000	6
800932	Clean room ESD ⚠	0.29-1.18 Nm/500-700	6
800935	Clean room	0.29-1.18 Nm/700-1, 000	5
802375	Control Unit DLC-1213, ESD, 6-PIN		
828290	Control Unit DLC-1213, ESD, 5-PIN		

Delvo Control Unit DLC-1213, for Screwdriver Series DLV-73, ESD

Required for Delvo electric screwdriver series DLV-73xx and DLV-74xx.

Features:
• connection either 5- or 6-pin
• with softstart
• adjustable speed

Technical data:
Output voltage: 36 V

Order-no.	Version
828290	5-PIN
802375	6-PIN

ESD

Abeba ESD Professional Shoe
36773/36774/36775 uni6

High quality ESD low shoe of the uni6-series.

Features:
- CE, EN ISO 20347:2012, O1, FO, SRC
- ESD dissipative according to DIN EN 61340
- knitted textile
- breathable inner lining with silver ions
- Instep area with lacing
- midsole Soft-PU
- anti-slip TPU outsole
- replaceable Soft Comfort insole
- sanitized treated
- water-resistant
- climate class 1

Technical data:
Typical bleeder resistor:
$R_g=10^5-10^8$ ohm

Order-no.	Size	Colour
804433	35	blue
804434	36	blue
804435	37	blue
804436	38	blue
804437	39	blue
804438	40	blue
804439	41	blue
804441	42	blue
804442	43	blue
804443	44	blue
804444	45	blue
804445	46	blue
804446	47	blue
804447	48	blue
805767	35	orange
805768	36	orange
805769	37	orange
805771	38	orange
805772	39	orange
805773	40	orange
805774	41	orange
805775	42	orange
805776	43	orange
805777	44	orange
805778	45	orange
805779	46	orange
805781	47	orange
805782	48	orange
805783	35	grey
805784	36	grey
805785	37	grey
805786	38	grey
805787	39	grey
805788	40	grey
805789	41	grey
805791	42	grey
805792	43	grey
805793	44	grey
805794	45	grey
805795	46	grey
805796	47	grey
805797	48	grey

Atlas Safety Shoe Flash 1000, ESD

Experience pure energy for your working environment with the models in the FLASH series. The top sellers inspire with a unique running feeling on the long distance in operation. Atlas brings together the latest technologies and the anatomical needs of every wearer. The new INNOFLEX SYSTEM sees itself as a holistic outsole concept and supports the runner in every phase of movement.
Safety and work shoes are your daily companions in the working world and should therefore guarantee an optimal fit, a pleasant feel-good climate and above all a high level of wearing comfort. Atlas Schuhfabrik is the shoe specialist for your safety – for all branches of industry.

Features:
- EN ISO 20345 S1 SRC
- alu-tec® aluminium cap
- 3D damping system
- active-X Functional chuck
- suitable for insole supply (DGUV 112-191)
- MPU® INNOFLEX System
- mesh face
- integrated Clima-Zone

Technical data:
Typical bleeder resistor: 10^5-10^7 ohm
Vastness: 10
Safety class: S1

Order-no.	Size	Colour
805702	36	blue
805703	37	blue
805704	38	blue
805705	39	blue
805706	40	blue
805707	41	blue
805708	42	blue
805709	43	blue
805711	44	blue
805712	45	blue
805713	46	blue
805714	47	blue
805715	48	blue
805716	49	blue

Birkenstock ESD Safety/Work Shoe QO/QS 500 NL

The professional shoe QO500 ans safety shoe QS500 from BIRKENSTOCK with replaceable footbed provides secure support and relieves your feet so that you can stand, walk and run comfortably for many hours a day, even in a challenging environment. The QO500 presents itself as a simple, modern sneaker with 6-hole lacing.

The ESD safety and professional shoe has been specially developed for people in the microelectronic sector or in high-frequency technology. ESD stands for Electro Static Discharge. These shoe models actively ensure a permanent gentle discharge of their wearer. The antistatic elements in the sole compensate for potential electrical voltage differences between people and the working environment by permanently grounding the feet and can be recognised by the circular yellow emblem.

Warning: The ESD range is up to 35 MOhm, so it does not have an insulating effect!

The anti-slip, oil- and petrol-resistant outsole also ensures energy absorption in the heel area. The upper material is made of water-repellent smooth leather (WRU) and offers antistatic protection. Model QS500 with 200 Joule steel toe caps.

Features:

- replaceable, anatomically shaped cork microfibre footbed
- anti-slip, oil and petrol resistant outsole (SRC, FO)
- energy absorption in the heel area
- ESD protection
- certified safety shoe according to EN ISO 20347:2012 (QO500) approx. EN ISO 20345:2011 (QS500)
- steel cap (200 Joule) with scratch-resistant cap protection (QS500)

BIRKENSTOCK®

■ made
■ in
■ Germany

Technical data:

Typical bleeder resistor:	R_g=10^5-10^7 ohm
Material:	water-repellent smooth leather
Cover sole:	microfibre
Sole type:	nitrile rubber
ESD-Norm:	EN 61340
Safety class:	O2 (QO500) approx. S3 (QS500)

Order-no.	Size	Colour	Type
804234	35	black	QO
804235	36	black	QO
804236	37	black	QO
804237	38	black	QO
804238	39	black	QO
804239	40	black	QO
804241	41	black	QO
804242	42	black	QO
804243	43	black	QO
804244	44	black	QO
804245	45	black	QO
804246	46	black	QO
804247	47	black	QO
804248	48	black	QO
804218	35	white	QO
804219	36	white	QO
804221	37	white	QO
804222	38	white	QO
804223	39	white	QO
804224	40	white	QO
804225	41	white	QO
804226	42	white	QO
804227	43	white	QO
804228	44	white	QO
804229	45	white	QO
804231	46	white	QO
804232	47	white	QO
804233	48	white	QO

Order-no.	Size	Colour	Type
804203	35	black	QS (with steel caps)
804204	36	black	QS (with steel caps)
804205	37	black	QS (with steel caps)
804206	38	black	QS (with steel caps)
804207	39	black	QS (with steel caps)
804208	40	black	QS (with steel caps)
804209	41	black	QS (with steel caps)
804211	42	black	QS (with steel caps)
804212	43	black	QS (with steel caps)
804213	44	black	QS (with steel caps)
804214	45	black	QS (with steel caps)
804215	46	black	QS (with steel caps)
804216	47	black	QS (with steel caps)
804217	48	black	QS (with steel caps)
804187	35	white	QS (with steel caps)
804188	36	white	QS (with steel caps)
804189	37	white	QS (with steel caps)
804191	38	white	QS (with steel caps)
804192	39	white	QS (with steel caps)
804193	40	white	QS (with steel caps)
804194	41	white	QS (with steel caps)
804195	42	white	QS (with steel caps)
804196	43	white	QS (with steel caps)
804197	44	white	QS (with steel caps)
804198	45	white	QS (with steel caps)
804199	46	white	QS (with steel caps)
804201	47	white	QS (with steel caps)
804202	48	white	QS (with steel caps)

Birkenstock ESD sandal Arizona

Safe protection in ESD areas with Birkenstock comfort.
Working with sensitive high-frequency technology and electrical components in particular requires distinctive protective measures. In combination with the professional ESD equipment of the workplace, the ESD models effectively protect against dangerous discharges.
All ESD articles have been tested by TÜV Rheinland according to the specifications of EN ISO 61340.

Features:
• anatomically shaped cork suede footbed
• adjustable buckle made of metal
• ESD protection

Technical data:

Typical bleeder resistor:	$R_g=10^5\text{-}10^7$ ohm
Material:	Birko-Flower
Lining:	Fleece
Footbed:	Cork / Suede
Sole type:	Antistatic EVA

Order-no.	Size	Colour	Footbed shape
809055	35	Flower Field Mint	slender
809056	36	Flower Field Mint	slender
809057	37	Flower Field Mint	slender
809058	38	Flower Field Mint	slender
809059	39	Flower Field Mint	slender
809060	40	Flower Field Mint	slender
809061	41	Flower Field Mint	slender
809062	42	Flower Field Mint	slender
809063	43	Flower Field Mint	slender
809064	35	Flower Field Rose	slender
809065	36	Flower Field Rose	slender
809066	37	Flower Field Rose	slender
809067	38	Flower Field Rose	slender
809068	39	Flower Field Rose	slender
809069	40	Flower Field Rose	slender
809070	41	Flower Field Rose	slender
809071	42	Flower field Rose	slender
809072	43	Flower Field Rose	slender

Birkenstock ESD clog Kay

Safe protection in ESD areas with Birkenstock comfort.
Working with sensitive high-frequency technology and electrical components in particular requires distinctive protective measures. In combination with the professional ESD equipment of the workplace, the ESD models effectively protect against dangerous discharges.
All ESD articles have been tested by TÜV Rheinland according to the specifications of EN ISO 61340.

Features:
• anatomically shaped cork suede footbed
• Clog with strap part, individually adjustable metal thorn buckle, foldable
• ESD protection

Technical data:

Typical bleeder resistor:	$R_g=10^5\text{-}10^7$ ohm
Material:	Birko-Flower
Lining:	Fleece
Footbed:	Cork / Suede
Sole type:	Antistatic EVA

Order-no.	Size	Colour	Footbed shape
809037	35	Flower Field Mint	slender
809038	36	Flower Field Mint	slender
809039	37	Flower Field Mint	slender
809040	38	Flower Field Mint	slender
809041	39	Flower Field Mint	slender
809042	40	Flower Field Mint	slender
809043	41	Flower Field Mint	slender
809044	42	Flower Field Mint	slender
809045	43	Flower Field Mint	slender
809046	35	Flower Flied Rose	slender
809047	36	Flower Field Rose	slender
809048	37	Flower Field Rose	slender
809049	38	Flower Field Rose	slender
809050	39	Flower Field Rose	slender
809051	40	Flower Field Rose	slender
809052	41	Flower Field Rose	slender
809053	42	Flower Field Rose	slender
809054	43	Flower Field Rose	slender

Wetec Disposable Heel Strap, ESD

For normal street shoes with flat heels.

Features:
• conductive fabric material, self-adhesive

Technical data:
Typical personal leakage resistance: $R_{gp}=10^6$ ohm

Scope of delivery:
1 pack 100 pieces ribbons

Order-no.

859690

Wetec Wall bracket for heel straps, ESD

Features:
• self-adhesive

Technical data:
Dimensions L x W x H: 315 x 55 x 200 mm

Scope of delivery:
1   pcs. Plastic wall mount without contents

Order-no.

859720

Wetec ESD T-Shirt

Fashionable ESD T-shirt made of woven fabric.

Features:
• unisex version
• electrostatically dissipative cotton fabric
• breathable
• conductive, interwoven fibres
• ESD logo on sleeve
• stepped collar

Technical data:
Typical bleeder resistor: $R_g=10^6$-10^7 ohm
Material: 96% cotton, 4% carbonized yarn
Fabric weight: 150 g/m^2
Machine washable: up to 40 °C

Order-no:	Size	Colour
802809	XS	grey
802797	S	grey
802796	M	grey
802795	L	grey
802798	XL	grey
802729	XXL	grey
802731	XXXL	grey
802807	XS	blue
802732	S	blue
802801	M	blue
802799	L	blue
802802	XL	blue
802747	XXL	blue
802803	XXXL	blue
802141	XS	black
802136	S	black
802138	M	black
802137	L	black
802139	XL	black
802142	XXL	black
802143	XXXL	black
802144	XXXXL	black

Wetec ESD Polo Shirt Light, with Black Collar

Fashionable and airy polo shirt made of knitted fabric. Due to the lower fabric weight, the polo shirt lies like a T-shirt on the skin without losing its properties.

Features:
- unisex version
- T-shirt fabric, easy to wear
- breathable
- electrostatically dissipative cotton blended fabric
- with conductive, interwoven fibres, sewn-on ESD logo
- contrasting collar, sleeves and breast pocket

Technical data:
Typical bleeder resistor: $R_g=10^6$-10^7 ohm
Material: 96% cotton, 4% carbonized yarn
Fabric weight: 150 g/m^2
Machine washable: up to 40 °C

Order-no.	Size	Colour
801526	XS	grey
801523	S	grey
801525	M	grey
801505	L	grey
801524	XL	grey
801527	XXL	grey
801528	XXXL	grey
801667	XXXXL	grey
801511	XS	blue
801506	S	blue
801508	M	blue
801509	L	blue
801507	XL	blue
801512	XXL	blue
801513	XXXL	blue
801514	XXXXL	blue
801666	XS	black
801516	S	black
800992	M	black
801515	L	black
801517	XL	black
801518	XXL	black
801519	XXXL	black
801521	XXXXL	black

Wetec ESD Work Coat AM-156, ESD

Comfortable, airy smocks made of electrostatically-dissipative cotton blend fabric.

Features:
- unisex version
- 3/4 length, long sleeve
- electrostatically dissipative cotton blended fabric
- lightweight, breathable, comfortable to wear
- snap fastener, concealed button panel
- breast pocket with ESD-plate
- two side pockets and one breast pocket

Technical data:
Typical bleeder resistor: $R_p=10^6$-10^7 ohm
Material: 63% polyester, 33% cotton, 4% carbonized yarn
Fabric weight: 156 g/m^2
Machine washable: up to 40 °C

Order-no.	Size	Colour
801504	XS	white
837720	S	white
837730	M	white
837710	L	white
837740	XL	white
837750	XXL	white
837760	XXXL	white
803468	XXXXL	white
800397	XS	blue
837780	S	blue
837790	M	blue
837770	L	blue
837800	XL	blue
837810	XXL	blue
837820	XXXL	blue
802093	XXXXL	blue
802094	XS	light blue
802086	S	light blue
802088	M	light blue
802087	L	light blue
802089	XL	light blue
802091	XXL	light blue
802092	XXXL	light blue

Wetec Gloves, PU-Coated Fingertips, ESD

ESD gloves should always be used when hand perspiration comes into contact with sensitive electronic components. This prevents corrosion and electrostatic charges. The gloves are particularly characterised by their pleasant wearing properties.
All our gloves are seamlessly knitted and therefore allow exact and delicate work. Easy identification of the gloves through different wrist colours.

Features:
• single packed
• PU-coated fingertips for secure hold
• anti-allergenic design with carbon thread

Technical data:
Typical personal
leakage resistance: $R_s=10^5-10^7$ ohm
Clean room class: 1,000
Colour: white

Scope of delivery:
1   pair gloves

Order-no.	Size	Version
801535	XS	Copper thread
838980	S	Copper thread
838990	M	Copper thread
838970	L	Copper thread
839000	XL	Copper thread
839010	XXL	Copper thread
839120	XS	Carbon filament
839130	S	Carbon filament
839140	M	Carbon filament
839110	L	Carbon filament
839150	XL	Carbon filament
839160	XXL	Carbon filament

Wetec Gloves, Anti-Allergenic, ESD

Especially skin-friendly gloves, without any coating and with carbon threads. This makes the gloves particularly suitable for allergy sufferers.
All our gloves are seamlessly knitted and therefore allow exact and delicate work.

Features:
• anti-allergenic, does not cause allergies
• sewn-on carbon filament
• single packed
• especially comfortable to wear

Technical data:
Typical personal
leakage resistance: $R_s=10^5-10^7$ ohm
Clean room class: 1,000
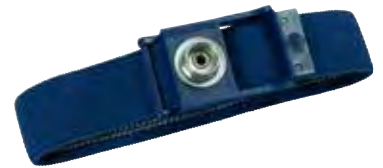Colour: white

Scope of delivery:
1   pair gloves

Order-no.	Size
839640	S
839630	M
839650	L
839660	XL
839670	XXL

Wetec Wrist Strap, ESD

The standard strap with woven, silver-plated synthetic fibres.

Features:
• connection via push button
• adjustable, elastic
• antiallergic
• washable and long-lasting

Technical data:
Typical resistance inside: R 3 ohm
Typical resistance outside: R >1 x 10^9 ohm

Order-no.	Colour	Connection type DK mm
859730	light blue	3
859740	light blue	7
859750	light blue	10
859760	dark blue	3
859770	dark blue	10
859780	grey	3
859790	grey	10

Wetec Spiral Cable with Push Button, ESD

For safe and comfortable earthing.

Technical data:
Safety resistor: 2 x 1 mohm

Scope of delivery:
1   pcs. Spiral cable

Order-no.	Colour	Connection type DK mm	Length m
860010	yellow	3/10	2.4
860020	yellow	10/10	2.4
859950	light blue	3/10	2.4
859960	light blue	7/10	2.4
859970	light blue	10/10	2.4
859990	black	4/4.5	1.8
859980	black	3/10	2.4
860000	black	10/10	2.4
871930	black	3/10	3.6

Wetec Vacuum Cleaner Type 7350, ESD

Vacuum cleaner in conductive plastic case with carrying strap. Conductive vacuum cleaner for the service sector to clean switch cabinets, computers, copiers, laser printers, etc. The suction cup can be used in the carrying case. The vacuum cleaner has a powerful bypass motor and is supplied with an H13 filter bag that catches even the smallest dust particles. The vacuum cleaner is particularly suitable for mobile use, as the compact design ensures easy transport. It is not necessary to dismantle the connected hoses and suction nozzles after use for transport.

Features:
- lightweight, compact unit
- housing made of conductive polypropylene

Technical data:

Power:	1,300 W
Negative pressure:	127 mbar
Container volume:	1.2 l
Air flow:	37 l/s

Scope of delivery:
- 1 pcs. Suction nozzle set
- 1 pcs. Filter bag H13
- 1 pcs. 3 m mains cable

Order-no.	Version
864460	without suction power control
864470	with suction power control
864480	Extension hose, ESD
864530	Vacuum bag, Pack of 5
864540	Vacuum bag, pack of 10
864550	Microfilter
864560	HEPA microfilter, white
864520	Top brush, hard, ESD, black
864570	Crevice nozzle, ESD
864510	Suction pipe, straight, ESD
802289	Suction pipe with nozzle, Supersoft, ESD
802288	Brush set for vacuum cleaner, ESD
864490	Angled suction pipe, ESD

Wetec Vacuum Cleaner EPA-CLEAN, ESD

Thanks to super silent technology, the low-noise motor with vibration-damped bearings is extremely quiet at the lowest level. A 4-way filter system with micro-fleece filter bag, permanent fine dust filter, motor protection filter and HEPA filter that meets the highest demands on hygiene and purity is available.

Features:
- housing and accessories dissipative
- HEPA filter H13
- circumferential liner tape to protect against damage
- conductive double swivel castors for optimum mobility
- One-hand release for emptying
- mounting and suction pipe parking position
- accessory holder with crevice nozzle and upholstery nozzle can be removed
- cable holder for cable winding, foldable

Technical data:

Power:	900 W
Dimensions L x W x H:	380 x 370 x 370 mm
Length of hose:	2.5 m
Radius of action:	15 m
Cable length:	12 m
Volume:	8 l
Clean room class:	1,000
Volume:	54 dB
Vacuum max.:	24 kPa
Amount of air max.:	32 l/s

Scope of delivery:
- 1 pcs. Vacuum cleaner EPA-CLEAN
- 1 pcs. Suction hose 2.5 m with handle
- 2 pcs. Suction tube
- 1 pcs. Joint nozzle
- 1 pcs. Upholstery nozzle
- 1 pcs. Hardfloor noozle
- 1 pcs. Dust bag
- 5 pcs. Conductive double swivel castors

Order-no.	Item
800400	Wetec Vacuum Cleaner EPA-CLEAN, ESD
802188	Vacuum cleaner bag made of micro-fleece

Warmbier Access Monitoring PGT 120, ESD

The Personal Grounding Tester checks personal grounding resistances for wrist and/or shoe grounding. In addition, the PGT 120.COM has an RS232 interface for further processing of the measured values and test results in ASCII format.

Features:
- test result is signalled visually and acoustically
- power supply via battery or plug-in power supply unit
- wrist strap earthing test
- separate testing of the person discharge resistance over left and right shoe
- "hands-free mode" when using e.g. turnstiles
- the lower limit values can be deactivated
- can be used as table and wall unit (wall bracket as option)
- limit values adjustable via dip switches
- potential-free change-over contact for external functions
- data acquisition and further processing on the PC (only for PGT 120.COM/860510)

Technical data:
Test voltage: 30/50/100 V/DC
Dimensions L x W x H: 200 x 150 x 65 mm

Scope of delivery:
1 pcs. PGT 120 or PGT 120.COM
1 pcs. Footwear electrode for separate measurement
1 pcs. Factory calibration certificate
1 pcs. 9V Battery (PGT 120/860480 only)
1 pcs. Plug-in power supply 230 VAC

Order-no.	Version
860480	PGT 120 without interface
860510	PGT 120.COM with interface
860490	Wall mounting plate for PGT® 120 and PGT® 120.COM
860500	Calibration unit for PGT 120/120.COM, for PGTs with 8 DIP switches
860520	Mat for footwear electrode for PGT 120
241018	Alkaline battery industrial, E-LR61/block battery, 9 V

Warmbier Stand, ESD

Stand for PGT120 with bracket.

Features:
- post tube made of powder-coated steel
- cast iron base plate in black
- mounting bracket for PGT120 device pluggable
- standard wall bracket 7100.PGT120.WK (860490) can be mounted on holder

Technical data:
Colour: yellow
Height: 960 mm
Foot-Ø: 350 mm

Scope of delivery:
1 pcs. Post tube with base plate

Without mounting plate and floor-mat

Order-no.	Item
802363	Warmbier stand, ESD
860490	Wall mounting plate for PGT® 120 and PGT® 120.COM
802364	Mounting bracket for PGT120, pluggable
802365	Floor mat with yellow leading edge

Warmbier Belt barrier posts, without belt cassette, ESD

The patented belt system allows a quick and effective closure of EPA areas.

Features:
- post tube made of powder-coated steel
- cast iron bottom plate

Technical data:
Height: 960 mm
Foot-Ø: 350 mm

Order-no.	Colour
863750	black
801707	yellow

Warmbier Webbing Cassette for Post Tube, ESD

Webbing cassette with patented, integrated return brake. Thanks to a special technology, the webbing falls down when released and is pulled slowly and safely into the post.

Features:
- replaceable belt cassette with centrifugal brake system
- yellow polyester strap
- black imprint on both sides "ESD PROTECTED AREA" or "ESD GESCHÜTZER BEREICH"
- with safety clip against unauthorised opening

Technical data:
Strap width: 50 mm

Order-no.	Belt length	Version
863730	empty cassette (dummy)	-.-
863710	2.3	German/English
803017	2.3	English
801705	3.6	German/English
801706	3.6	English

Warmbier Metriso 3000, ESD

The Metriso 3000 measuring kit consists of the Metriso 3000 digital high resistance meter with plug-in temperature and humidity sensors, two measuring electrodes, a hand electrode and a conductive carrying case with dissipative pink foam.

Features:
- for measuring point-to-point and leakage resistances according to DIN EN 61340-4-1 and DIN EN 61340-2-3 (VDE0300 Part 4-1 / 2-3)
- for measuring the system resistance human/shoe/floor system according to DIN EN 61340-4-5 (VDE 0300 part 4-5)
- integrated data memory enables the storage of 50,000 measured values, which can be read out via a USB interface to the PC
- attachable temperature and humidity sensor
- display language selectable between German/English/French/ Spanish
- logging software "ETC" for data acquisition, logging and management
- menu-driven measurement with selection of ESD control element and automatic setting of limit values
- the use of a barcode scanner makes it possible to capture measuring points automatically prior to the measurement
- low ohm measuring range 1 Ohm-10 kOhm for checking earthing measures
- built-in 10 mOhm resistor for testing the device prior to a measurement
- guard connection prevents falsification of measurement results during high-impedance measurements

Technical data:
Measuring voltage:	DC 10 V, 100 V, 500 V
Resistance:	1 ohm to 1.2 ohm
Temperature:	-10 to 70 °C
Air humidity:	10 to 90 %
Operating mode:	Battery

Scope of delivery:
- 1 pcs. Digital high-ohmmeter Metriso 3000
- 1 pcs. USB-cable (only 860635/804642)
- 1 pcs. Software "ETC" on CD-ROM (only 860635/804642)
- 1 pcs. Temperature and humidity sensors (only 860635/804642)
- 2 pcs. Measuring Electrodes Model 850 according to DIN EN 61340-4-1/2-3 (only 860635)
- 1 pcs. Measuring Electrodes Model 870 according to DIN EN 61340-4-1/2-3 (only 804642)
- 1 pcs. Hand electrode model 45 according to DIN EN 61340-4-5 (only 860635/804642)
- 1 set Test leads
- 1 pcs. Conductive carrying case (only 860635/804642)

Order-no.	Version
801757	Measuring kit with measuring leads
860635	Measuring kit complete, with electrodes 850
804642	Measuring kit complete, with electrodesn 870
860660	Cable drum, for Metriso 2000/3000
801756	Measuring cable set, for Metriso 2000/3000, ESD
802362	Barcode hand scanner, for Metriso 3000, ESD
804643	Battery-Pack Metriso3000 with 8 LSD-NiMH rechargeable
804644	Charger for battery pack Metriso3000 (EU/US/UK)

Wolfgang Warmbier ®

# Wetec Vacuum Packaging Machine with Stainless Steel Housing

Fast working because the vacuum is only generated in the packaging and not in a chamber. Also the product length is not limited by a chamber.

Features:
- Double welding (top/bottom)
- Regasification device
- Vacuum pump sensor- or time-controlled
- Storage of up to 8 programs
- Clean room suitable

Technical data:

Voltage:	230 V
Power:	1.8-4.0 kW
Operating pressure:	5-7 bar
Welding skid width:	5/10 mm
Vacuum:	max. approx. -80Kpa when using the ejector vacuum pump
Vacuum generation:	time-controlled/vacuum sensor controlled
Vacuum indicator:	LCD display for vacuum
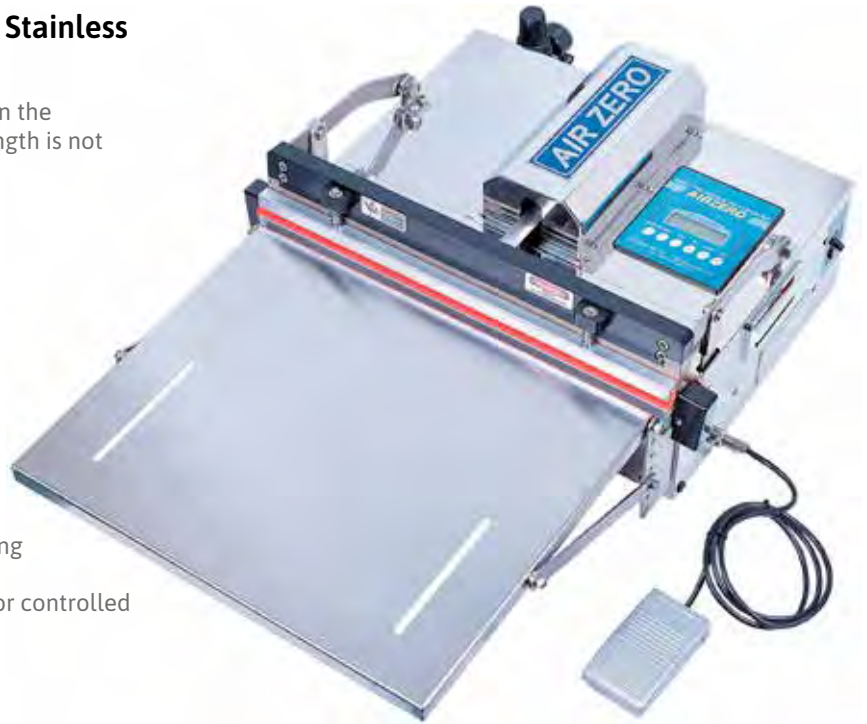
Order-no.	Welding bar length mm
800955	450
800158	600
803143	Spare welding wire

Wetec Freestat shielding bag, sealable, ESD

Completely shielded ESD packaging for maximum safety.

Features:
- Outer layer dissipative polyester
- Inner layer dissipative polyethylene
- Metallization and aluminium vapor deposition
- Standard print Type designation, ESD warning symbol, recycle symbol, LOT no.
- weldable

Technical data:

Typical surface resistance: $R_S = 10^9 - 10^{10}$ ohm
Thickness: 80 µm
Electrostatic shielding: Colour: silver

Scope of delivery:
1 pack 100 bags

Order-no.	Dimensions W x L mm
862240	76 x 127
862250	102 x 102
862260	102 x 152
862270	102 x 600
862280	127 x 203
801629	152 x 203
862290	152 x 254
862300	152 x 660
862310	203 x 254
862320	203 x 305
862330	203 x 406
862340	203 x 457
862350	254 x 305
862360	254 x 356
862370	254 x 660
862380	279 x 381
862390	305 x 305
862400	305 x 406
862410	305 x 457
862420	356 x 457
862430	406 x 457
862440	457 x 457
862450	457 x 508
862460	457 x 609
862470	508 x 609

Wetec Transport Trolley, ESD

Sturdy transport roller with conductive plastic frame. The frame has a very high load carrying capacity and maintenance-free smooth-running castors. Suitable for storage containers 600 x 400 mm or 2 pieces 400 x 300 mm.

Features:
- sturdy plastic frame
- four maintenance-free smooth running castors, good rolling characteristics
- high-quality, smooth-running and conductive wheels
- high stability
- euro-sized

Technical data:
Typical bleeder resistor:	$R_s=10^3$-10^5 ohm
Outside dimensions L x W:	620 x 420 mm
Capacity:	100 kg
Sheave-Ø:	100 mm
Colour:	black

Order-no.

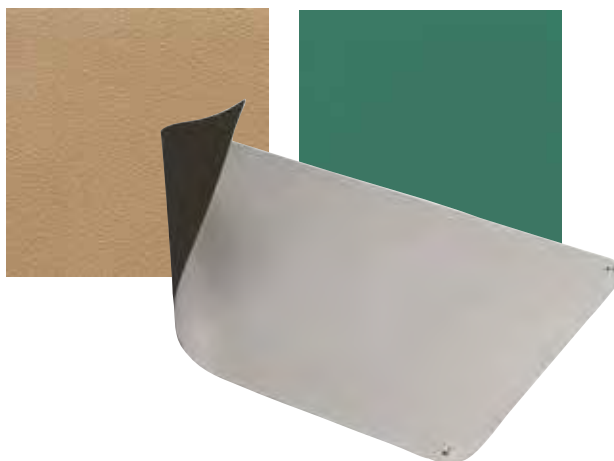| |
|---|
| **867060** |

Wetec Table covering, ESD

The standard covering for electronics production.

Features:
- two-layer composite decking
- low-wear synthetic rubber
- solder and heat resistant
- halogen-free
- permanently elastic
- volume-conductive
- conductive back

Technical data:
Typical bleeder resistor:	$R_{gp}=10^6$-10^7 ohm
Material thickness:	2.0 mm

Order-no.	Dimensions W x L mm	Colour	Version
835920	610 x 900	beige	rounded corners, 2 x 10 mm DK
835910	610 x 1,220	beige	rounded corners, 2 x 10 mm DK
835950	610 x 10,000	beige	Roll
835940	1.000 x 10,000	beige	Roll
835930	1,220 x 10,000	beige	Roll
835970	610 x 900	platinum	rounded corners, 2 x 10 mm DK
835960	610 x 1.220	platinum	rounded corners, 2 x 10 mm DK
836000	610 x 10,000	platinum	Roll
835990	1,000 x 10,000	platinum	Roll
835980	1,220 x 10,000	platinum	Roll
836020	610 x 900	silvery green	rounded corners, 2 x 10 mm DK
836010	610 x 1,220	silvery green	rounded corners, 2 x 10 mm DK
836040	610 x 10,000	silvery green	Roll
803142	1,000 x 10,000	silvery green	Roll
836030	1,220 x 10,000	silvery green	Roll
836060	610 x 900	light blue	rounded corners, 2 x 10 mm DK
836050	610 x 1,220	light blue	rounded corners, 2 x 10 mm DK
836090	610 x 10,000	light blue	Roll
836080	1,000 x 10,000	light blue	Roll
836070	1,220 x 10,000	light blue	Roll

Bimos Work Chair TopTec 2 with Castors, ESD

Solid and inexpensive - the TopTec ESD chair is the basic solution for the ESD workplace. It has all the standard protective properties required to prevent electrostatic charging and can be easily adjusted to the respective user requirements. The ESD chair is ideal for workplaces where people stand or sit for a while. It has a generous seat and a high backrest.

Features:
- conductive according to EN 63140-5-1
- seat height adjustment
- backrest height adjustment
- permanent contact backrest
- steel base with 5 conductive castors
- back shell non-discharging

Technical data:
Typical bleeder resistor: $R_g=10^6\text{-}10^8$ ohm
Seat height: 440-590 mm
Seat width: 460 mm
Seat depth: 470 mm
Backrest height: 460 mm
Ø Cross base: 680 mm

Scope of delivery:
1   pcs. Work chair TopTec 2 with upholstery

Order-no.	Padded version
836710	Synthetic leather
836670	Fabric Duotec black
836680	Fabric Duotec blue
836700	Fabric Duotec red
836690	Fabric Duotec grey
837110	Ring armrests

Image shows version in Fabric Duotec black

Bimos Swivel Chair Nexxit 2 with Castors, ESD

With its unique industrial ergonomics and simple, intuitive adjustment to the user, Nexxit automatically ensures correct sitting. It offers a high level of comfort and extreme resistance for use in industrial environments.

Features:
- conductive according to EN 61340-5-1
- ESD handles black
- synchronous technology with automatic weight regulation
- seat depth and seat tilt adjustment
- backrest height adjustment
- steel base

Technical data:
Typical bleeder resistor: $R_g=10^6\text{-}10^8$ ohm
Seat height: 450-600 mm
Seat width: 460 mm
Seat depth: 400-460 mm
Backrest height: 530 mm
Ø Cross base: 680 mm

Scope of delivery:
1   pcs. Swivel chair Nexxit 2

Image shows version in Fabric Duotec

Order-no.	Padded version	Version
805744	Integral foam	without handle
805745	Fabric Duotec	without handle
805746	Supertec	without handle
805747	Synthetic leather	without handle

Order-no.	Padded version	Version
803495	Integral foam	with handle
803483	Fabric Duotec	with handle
803496	Supertec	with handle
803497	Synthetic leather	with handle
805848	Nexxit Multifunctional armrest, ESD	

Body-compatible support, practical handling and unconditional robustness - modern industry places special demands on the quality of work chairs.

■ **made**
■ **in**
■ **Germany**

bimos

Bimos Work Chair Neon 2 with Castors, ESD

Even at top ESD workstations: When conductive work chairs are concerned with the highest visual demands in combination with ergonomics and comfort, there is no way around the ESD chair Neon. Like all Bimos ESD models, it far exceeds the current standard. In combination with its excellent design, the ESD chair bridges the gap between the highest technical requirements and lasting pleasure when sitting.

Features:

- conductive according to EN 63140-5-1
- available with permanent contact backrest or synchronous technology
- high-quality seat mechanism, made in Germany
- seat height, tilt and depth adjustment
- backrest height adjustment
- exchangeable conductive comfort pads
- cross-component overall derivation
- volume conductive plastic backrest and seat shell
- conductively coated steel parts
- volume-conductive glides
- adaptive
- ergonomic and body-friendly
- easy-care and washable
- resistant and robust
- configurable according to requirements
- long-lasting
- ESD armrests optionally available

Technical data:

Typical bleeder resistor:	$R_g = 10^6 - 10^8$ ohm
Seat height:	450-620 mm
Seat width:	470 mm
Seat depth:	420-480 mm
Backrest height:	570 mm
Ø Cross base:	700 mm

Scope of delivery:

1 pcs. Work chair Neon 2 without upholstery element

Image shows version with blue substance upholstery

Order-no.	Version	Colour
800904	Permanent contact	blue
800912	Permanent contact	grey
800895	Permanent contact	orange
800896	Permanent contact	green
800899	Synchronous technology	blue
800901	Synchronous technology	grey
800902	Synchronous technology	orange
800903	Synchronous technology	green
801613	Multifunctional armrest, for NEON chairs, ESD	
800913	Upholstery, ESD, Integral foam, black	
800905	Upholstery, ESD, Substance, black	
800906	Upholstery, ESD, Substance, blue	
800907	Upholstery, ESD, Substance, grey	
800908	Upholstery, ESD, Imitation leather Magic, black	

Almit Lead-free Solder Wire, Rubberx SB RMA LFM-48

GUMMIX Series – top sellers for very good reasons! There are good reasons why the GUMMIX series is a real top seller: GUMMIX is a real high-performance flux that either completely prevents flux splashing or else reduces it to an absolute minimum and also prevents flux residue from coming off. Discover the outstanding properties of the GUMMIX series, especially for use on flexible circuit boards.

Features:
- application areas in laser soldering and soldering of pistons
- high temperature resistance
- minimal flux splashes
- no detachment of flux residues
- suitable for flexible circuit boards
- versatile
- RoHS-conform

Technical data:

Alloy:	Sn-3.0Ag-0.5Cu
Flux class:	REL1
Flux:	GUMMIX SB RMA
Flux percentage:	3.5 %
Melting range:	217-220 °C

Order-no.	Wire Ø mm	Coil size g
801244	0.3	500
801243	0.38	500
801237	0.5	500
801238	0.65	500
801245	0.65	800
801236	0.8	500
801239	1.0	500
801242	1.2	500
801240	1.6	500
801241	2.0	500

Almit Lead-free Solder Wire, SR-LA LFM-48-M

The new all-rounder! Use for all cases – with the SR-LA from Almit you have a genuine universal solder wire with halogen-activated flux for a wide variety of applications at your disposal. Developed especially for low-silver alloys, SR-LA shows excellent wetting properties and very little flux splashing. Another advantage: the SR-LA is also ideally suited for use at very low soldering temperatures.
Non-wettable soldering tips are a thing of the past with this alloy. Special additives keep the soldering tip wettable and reduce soldering tip wear to a minimum.

Features:
- applications in soldering of pistons and induction soldering
- low soldering temperatures possible
- versatile
- excellent wetting properties
- very few flux splashes
- RoHS-conform

Technical data:

Alloy:	Sn-3.0Ag-0.5Cu
Flux class:	ROM1
Flux:	SR-LA
Flux percentage:	3.5 %
Melting range:	217-220 °C

Order-no.	Wire Ø mm	Coil size g
801301	0.2	100
801298	0.3	100
801296	0.3	500
801286	0.5	100
801288	0.5	500
801294	0.65	500
801287	0.8	100
801285	0.8	500
801295	1.0	250
801293	1.0	500
801292	1.2	500
801291	1.6	500
801289	2,0	500

Almit Lead-free Solder Wire, SR-LA SJM-03-S

An alloy with increased tensile and tear strength, and gentle to soldering tips.

Features:
- applications in piston soldering and induction soldering
- alloy gentle to soldering tips
- versatile
- excellent wetting properties
- very few flux splashes
- also suitable for low temperatures
- RoHS-conform

Technical data:

Alloy:	Sn-0.3Ag-0.7Cu-2.0Bi-0.035Fe
Flux class:	ROM1
Flux:	SR-LA
Flux percentage:	3.5 %
Melting range:	210-226 °C

Order-no.	Wire Ø mm	Coil size g
801005	0.3	100
803225	0.3	500
803226	0.5	100
801006	0.5	500
803227	0.65	500
803228	0.8	100
801007	0.8	500
801008	1.0	500
803241	1.2	500
803229	1.6	500

Emil Otto Flux EO-B-002B

EO-B-002 is a flux for wave soldering with an alcohol-based solvent system and absolutely halogen-free activators. The conditions for classification as type "OR/L0" have been met.

Features:
- universal flux for many soldering processes such as wave soldering, selective soldering, manual soldering and cable assembly
- very good soldering properties, very powerful activation
- very wide process window
- high surface resistance of flux residues (SIR) (also for in-house tests)
- transport and storage safety even in cold conditions
- alcohol-based flux with halogen-free activators
- WEEE/RoHS compliant
- DIN EN 61190-1-1: (IEC OR/L0) or Type 2.2.3.A acc. to ISO9454

Technical data:
Colour: colourless to light yellow, clear
Solids content: 3.0 % by weight
Density at 20 °C: 0.794 (± 0.003) g/cm^3
Acid value: 23.0-26.0 mg KOH/g
Activators: Di-carboxylic acids
Solvents: short-chain alcohols
Flashpoint: 12 °C
Flux class: ORL0

Order-no.	Content l
801381	5
801379	20

Emil Otto Flux S-250

S-250/FR(O) is characterized by extremely clean surfaces of the soldered assemblies and, despite the low solids content of only 2.5 %, sufficient activity even for lead-free solder alloys.

Features:
- suitable for lead-free soldering
- extremely clean result
- washing can be dispensed with
- halogen-free activators
- low resin content
- DIN EN 61190-1-1 (IEC RE/L0) Type 1.2.3.A according to ISO 9454

Technical data:
Colour: colourless to light yellow, clear
Solids content: 2.5 % by weight
Density at 20 °C: 0.794 (± 0,003) g/cm^3
Acid value: 21.0-25.0 mg KOH/g
Activators: Di-carboxylic acids
Solvents: short-chain alcohols
Flashpoint: 12 °C
Flux class: REL0

Order-no.	Version	Content l
869150	FR/for spraying and foaming	5
869160	FR/for spraying and foaming	20
869170	FRO/for spraying	5
869180	FRO/for spraying	20

Techspray Flux Remover Ecoline

Removes flux residues that are left behind during the production, post-processing or repair of printed circuits. Brush cleaning is not necessary and therefore saves time and material.
Compared to the Flux Remover 1621-400S, the HFC-152a propellant was replaced by R600a/R290. This change has also improved the cleaning performance.

Features:
- powerful cleaner
- for lead-free processes
- ideal for sensitive plastics
- without ozone-depleting substances
- residue-free

Technical data:
Content: 400 ml
Colour: clear, colourless
Density at 25 °C: 0.71
Flashpoint: -5,56 °C

Scope of delivery:
1   pcs. Flux remover with brush head

Order-no.
803467

Techspray PCB Cleaner Flux Remover G3

All-purpose flux remover. Can also be used as an all-purpose cleaner for light oils, silicones, greases, etc. Compared to the Flux Remover 1631-16S the HFC-152a propellant was replaced by HFO-1234ze. This change has also improved the cleaning performance.

Features:
- suitable for all resinous flux types
- non-combustible, non-corrosive
- fast and residue-free evaporation

Technical data:
Content: 473 ml
Colour: bright, colourless
Density at 25 °C: 1,22
Flashpoint: none
Boiling point: 39 °C

Scope of delivery:
1   pcs. Flux remover without brush head

TECHSPRAY®

Order-no.
803453

Wetec Solder Paste Cleaning Cloths

For the universal cleaning of solder paste and flux residues. Easy removal of the cloths due to the special closure, therefore the cloths remain moist longer. Also removes most types of paint, paste, light oils and contaminants found in the electronics industry.
Available in two versions, optimally matched to the application.

Features:
- low lint original DuPont cloth
- volatilizing
- non-aggressive
- low odour
- all-purpose cleaners
- type DI additionally with 30 % deionized water
- remains moist for a long time

Technical data:
Smell:	alcoholic
Melting point:	-88 °C
Boiling point:	82-83 °C
Flashpoint:	12 °C
Ignition temperature:	425 °C
Density at 20 °C:	0.785 g/cm^3
Viscosity:	at 20 °C 2.43 mPas
Isopropyl alcohol:	99 %

Scope of delivery:
1   tin 50 cloths

Order-no.	Version
869780	IPA
869790	IPA/Deionized Water

Techspray Precision Cloth Techclean Wiper

Made from the highest quality materials.

Features:
- very high absorbency
- lint-free
- cleanroom-certified

Technical data:
Measurements:	230 x 230 mm
Colour:	white
Material:	Pulp/Polyester
Clean room class:	100

Scope of delivery:
1 pack 100 cloths

Order-no.
870040

Techspray Soaked Cleaning Cloths

For all common cleaning tasks. 99.8 % pure isopropyl alcohol (IPA) for cleaning and the removal of flux residues, light oil and mineral residues.

Features:
- high cleaning efficiency
- fast and residue-free evaporation
- does not attack plastics
- not corrosive

Technical data:
Measurements:	140 x 140 mm
Colour:	bright, colourless
Smell:	alcoholic
Flashpoint:	11.7 °C
Boiling point:	82 °C
VOC:	787,000 g/l
pH:	7
Isopropyl alcohol:	99.8 %

Order-no.	Version
869810	Single cloth
869820	Dispenser box à 100 cloths

Techspray Antistatic Wipe Techclean

Polyester wipe woven with DuPont NEGASTAT carbon yarn. It dissipates static charges and prevents static charges. Perfect for dry wiping of ESD sensitive components and plates. Tear-resistant, thus cleaning without fraying is possible.

Features:
- cleanroom-compatible
- does not generate charge
- tear-resistant

Technical data:
Measurements:	230 x 230 mm
Colour:	white
Material:	Polyester
Clean room class:	10

Scope of delivery:
1 pack 150 cloths

Order-no.
805586

Techspray Cleaning Sticks

For a variety of cleaning and maintenance tasks. The cotton is tightly wrapped and cleaned to ensure that contamination is minimal. The rods are for rough cleaning work.

Features:
- lint-free
- largely solvent-resistant
- enormously absorbent, wet strength

Technical data:
Material: Cotton

Scope of delivery:
1 pack 100 pieces cleaning sticks

Order-no.	Handle material	Version	Dimensions L x W mm
870090	Timber	2-sided	127 x 4.8
870100	Timber	1-sided	136.5 x 4.8

Techspray Cleaning Sticks

For a variety of cleaning and maintenance tasks. The foam is heat-sealed onto the rods to prevent contamination with foreign particles on the surface to be cleaned. This also ensures that the foam head is firmly seated even with aggressive cleaning agents.

Features:
- head thermally bonded
- high absorbency
- low particle count
- wrapped cotton in foam for optimal absorbency
- flexible handle

Technical data:
Material: Polyurethane foam

Order-no.	Top width/handle mm	VPE pieces
870120	11.1/152	50
870130	6.4/137	50
870140	12.7/102	50
126785	12.7/102	1.000
870150	4.8/93	50
805587	4.8/93	1,000

TECHSPRAY®

High-Tech Cleaning

Techspray End Brush

High-tech brushes for cleaning and coating. The bristles are connected to the metal brush handle with 5 t pressure in order to prevent bristle loss.

Features:
- high-quality bristles
- protected against loss of bristles
- precision brush head for cleaning and coating

Order-no.	Version	Width/Length mm
801132	Goat hair, one-sided	3.18 x 88.9
801128	Horse hair, on both sides	4,7 x 114
801129	Horse hair, on both sides	9.5 mm x 114 mm
801131	Horsehair, one-sided	9.5 mm x 114 mm

WETEC Kapton Adhesive Tape

Kapton adhesive tape is a special masking tape that withstands high temperatures. Briefly up to 300 °C, permanently up to 180 °C. Especially suitable for covering during wave soldering or reflow processes.

Features:
• to be removed residue-free after the soldering process
• original DuPont base material

Technical data:

Length of roll:	33 m
Core Ø:	76 mm
Material thickness:	0.06 mm
Thermal class:	H (180 °C)
Tensile strength:	45 N/cm
Colour:	golden brown transparent
Temperature resistant up to:	short-term 300 °C

Order-no.	Width mm
870830	3
870840	4
870850	6
870860	8
870870	9
815910	10
870880	12
870890	15
870900	18
870910	19
800216	20
870920	25
870930	30
800217	40
870940	50

WETEC Kapton adhesive dots

Kapton adhesive dots are developed for high temperature electrical applications where a thin, conformable backing is required in combination with excellent dielectric properties. They are used in the wave soldering and reflow process. The high quality silicone adhesive ensures clean and safe removal after processing.
Areas of application:
- Insulation of coilformers, transformers, motors, capacitors, cable harnesses, etc.
- Assembly of printed circuit boards
- Masking work at high temperatures

Features:
• Very high temperature resistance
• flame retardant according to UL510
• Good chemical and solvent resistance
• original DuPont base material

Technical data:

Material:	Kapton
backing material:	silicone
Core Ø:	76 mm
Material thickness:	60 µm
Thermal class:	180 (H) °C
temperature stability:	260 (short-term) °C
Tensile strength:	45 N/cm
Dielectric strength:	6,5 kV
Colour:	bronze
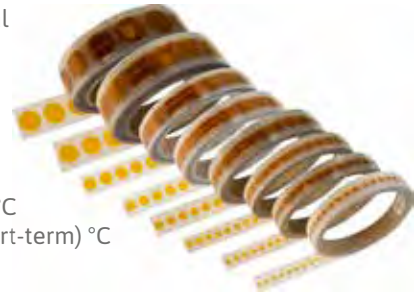
Scope of delivery:
1   roll 1000 adhesive dots

Order-no.	Adhesive points-Ø mm
808764	10
808765	12
808766	14
808767	16
808768	18
808769	20
808763	4
808771	5
808772	6
808773	7
808774	8
808775	9

Techspray Cover Mask Wondermask P

Mask for wave soldering. The cured mask can also be used for coatings and sealings. Unlike natural latex masks, it contains no ammonia and does not corrode copper, gold, silver and pre-tinned surfaces.
In addition, there are no stability problems. When used, the product is pink, after curing it is a transparent red.

Features:
• quick drying
• without ammonia, odourless
• non-corrosive
• synthetic latex
• residue-free removal possible after curing

Technical data:

Colour:	pink/red
Drying time (room temperature):	60 min

Order-no.	Content ml
870950	237
870960	3,800

Soldering Technology

- Soldering and Desoldering stations
- Reworkstations
- Preheater
- Solder pots
- Soldering and Desoldering tips
- Manual desoldering tools
- Solder tip care & cleaning
- Fume extraction systems

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ESD

- Work and safety shoes
- Heel straps
- Overshoes and Dispenser
- Gloves and Finger cots
- ESD workwear
- Wrist straps
- Grounding equipment
- Measuring instruments
- Belt barriers
- Ionisation
- Packing material
- Warning labels and Tapes
- ESD foam
- Plastics and Foil
- Stock and Transport equipment
- Office equipment
- Cleaning and Service equipment
- Flooring systems
- Workstations and Workbenches
- Table mats
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- Solder bars and solid wire
- Soder paste
- Solder wire
- Fluxes
- Rework pens
- Technical sprays
- Adhesives and thermal pastes
- Detergents
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- Cutting tools
- Abrasives
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- Hand- and screwdriving tools
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- Power tools
- Machines and accessories
- Work safety
- And many more...

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