



APEX
TOOL GROUP

ELECTRONIC PRODUCTS CATALOGUE

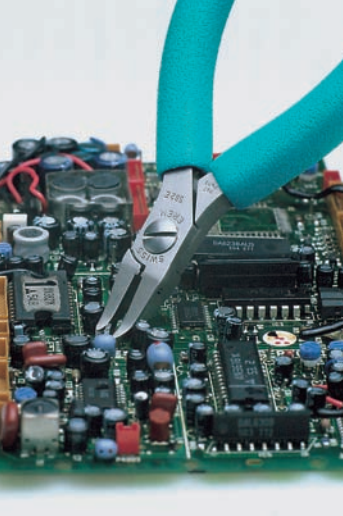
FEBRUARY 2014



Weller®

Erem®

Xcelite®



THE APEX TOOL GROUP COMMITMENT

No matter how large or small your company, we realize our relationship with you defines how you feel about Apex Tool Group. To us, every business relationship is personal, and we place a high value on that connection. To that end, we strive to build a strong bond with you and all our customers by keeping these four promises:

To consistently provide you with innovative solutions driven by our in-depth product experience.

To serve you with expertise that is global in reach, but local in focus.

To maintain our heritage of proven results by delivering products that enhance your productivity.

And finally, to treat you fairly, so you view every business transaction with Apex Tool Group as a positive experience.

With our solid cornerstone of world class brands, we have the capability, the capacity, and the commitment to always provide you with a first class experience.

We're Apex Tool Group. We want to be your tool company.



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WELLER®

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EREM®

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XCELITE®

Knives	
Blades	
Allen sets	
PC repair tools and kits	

For Xcelite® refer to current
Apex Tool Group Hand
Tools Price List for listing of
products available

The prices shown are recommended and exclusive of G.S.T. Net prices can be derived by applying your appropriate discount, unless otherwise authorised by Apex Tool Group Pty. Limited, Albury NSW and are subject to change without notice. All orders are subject to acceptance by the factory in Albury. Orders are accepted only on the basis of prices ruling on the date of shipment, unless otherwise agreed.

Credit Claim

Claims for shortages, breakages, etc., must be made within 14 days on receipt of goods.

All orders will be shipped CPT Carriage Paid to destination, or as negotiated.

Small Order Charge

For orders of less than \$100.00 excluding GST an order processing charge of \$10.00 + GST will apply. Back orders and spare parts are exempt from this condition.

Finish

We reserve the right to furnish, without notice, whatever finish is available regardless of catalogue descriptions.

Trading Terms

Payment received within 30 days of the last day of the month in which the invoice was raised. Cash Discounts 2% for Payment by cheque or E.F.T. (excluding credit card) received within 10 days of the last day of the month in which the invoice was raised.

Minimum Annual Spend

To maintain an account with Apex Tool Group Pty. Limited, a minimum annual spend of \$5,000 excluding GST, is required each year. Should sales fall below this amount in any one calendar year, you will be given the opportunity to discuss your situation with Apex Tool Group and to increase your sales over the following 6 month period. Should this not occur, your account will be closed at Apex's discretion.

Rebates

All rebates are dependent on the recipients account being conducted as per our Terms and Conditions.

Freight

Chargeable freight to the customer will be prepaid and charged on our invoice.

Product Returns

All returns of Apex Tool Group products should be to the factory, via our specified carrier.

Apex Tool Group Pty. Limited
519 Nuringong Street
Albury NSW 2640

Goods Returned Under Warranty

Postal or freight charges via our specified carrier both to the factory and on return will be for the account of Apex Tool Group.

Goods Returned for Repair

Postal or freight charges to the factory will be for customers account and return charges will be for account of Apex Tool Group.

Goods Returned for Credit

Any Apex Tool Group product may only be returned with written permission of Apex Tool Group Albury. All products must be new, of current design and in a resaleable condition. Credit will then be issued at the original purchase price, less a 15% handling service fee.

Apex Tool Group Pty. Limited
A.B.N. 50 002 965 826
PO Box 366, 519 Nuringong Street
Albury NSW 2640 Australia
(02) 6058 0300, 6021 5511, Fax 6021 7403
Sales (02) 6021 6666

Stock Adjustment Policy

All requests to return merchandise must be approved by Apex Tool Group. An offsetting order of equivalent value must accompany the request for stock adjustment. An offsetting order must be for standard price listed items at current prices and standard terms (no promotions, specials, dating orders, contract items or merchandisers).

Proof of purchase must be established on all items.

Apex Tool Group will not accept the return of a product as part of a stock adjustment return which was not originally purchased from Apex Tool Group. The price shown on the Request for Return must coincide with the price list in effect at the time of original supply. The inclusion of a copy of the original Apex Tool Group invoice on which the item was shipped, will expedite the processing of the adjustment. Inventory adjustments will be credited at the actual cost paid by the distributor as determined by proof of purchase, going back one year. A 15% handling service fee will be assessed.

After authorisation is received, all returns must be shipped to the Albury factory, freight prepaid.

All returned products must have been purchased within the last 6 months prior to return and be of current design and finish, in current production, and must be in a re-saleable condition upon receipt at the Albury factory. Any returned products which are not in a re-saleable condition will not be accepted and the distributor will be notified for disposition.

Returns will not be allowed for special made to order items.

Individually packed items must be in the original factory-sealed package when returned.

Limited Lifetime Guarantee

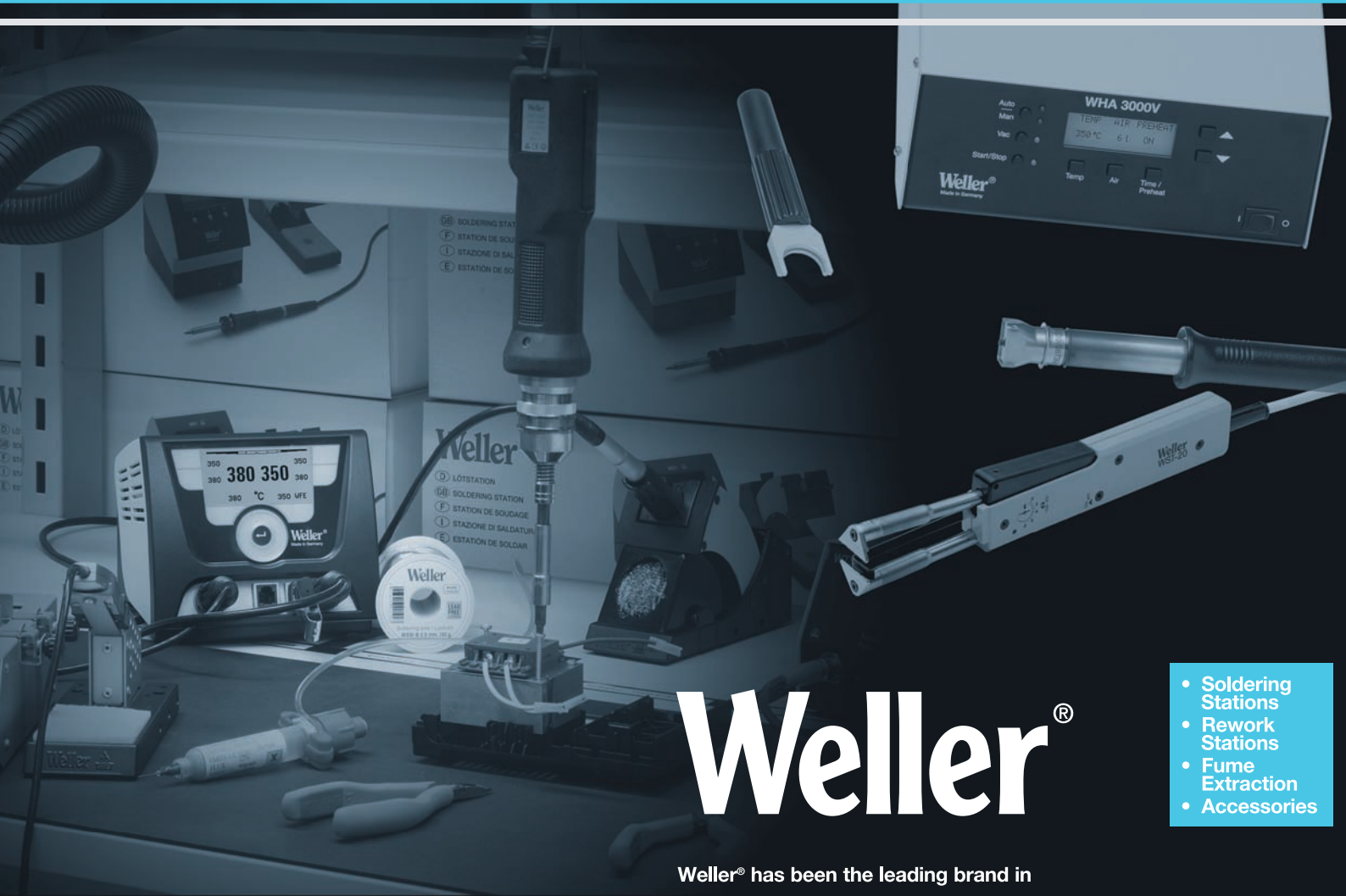
Apex Tool Group quality products are guaranteed against any defect in material or workmanship. Damage caused by abuse, improper use or excessive wear is not covered by this warranty.

This Warranty is provided in addition to other rights and remedies you have under law. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage.

You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

Claims should be returned, with proof of purchase, to the place of purchase or returned prepaid to the address below. Repaired or replacement goods will be returned at our cost.

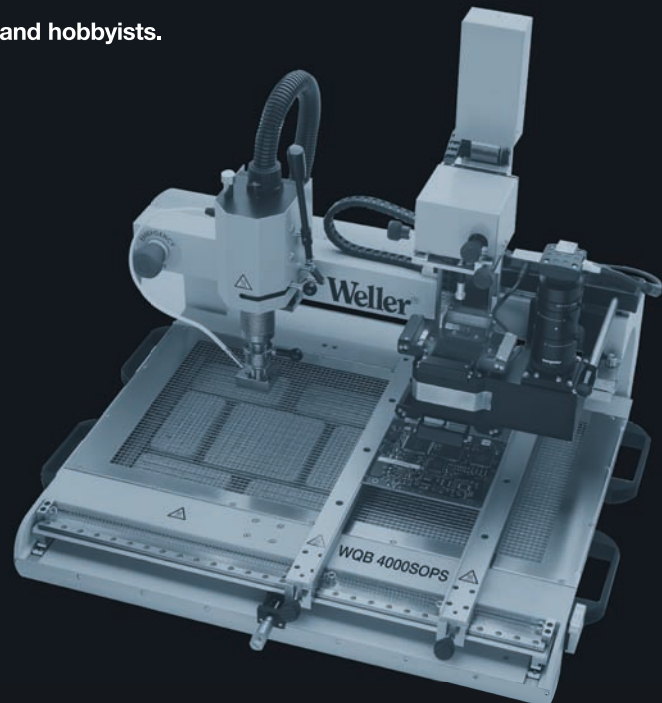
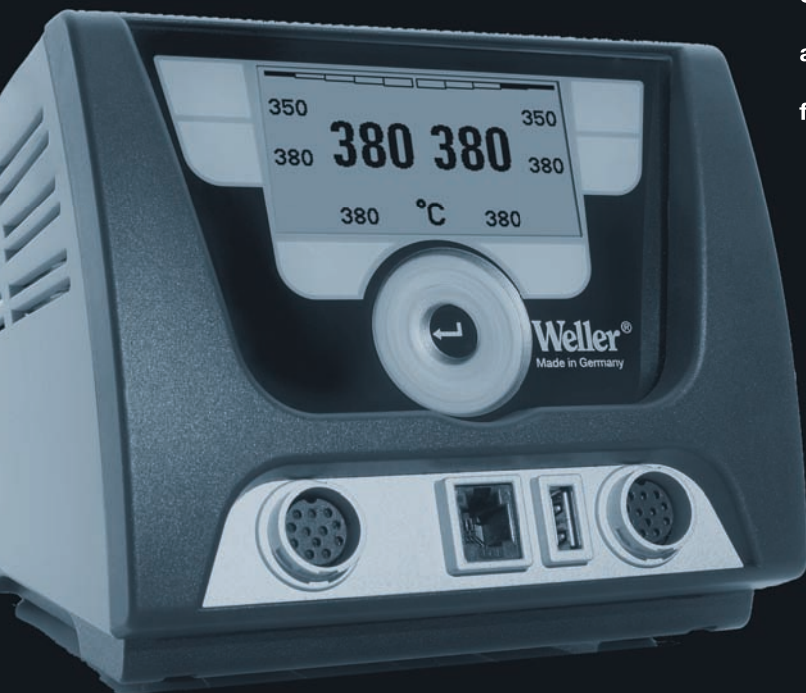
Apex Tool Group Pty Limited
519 Nuringong Street, Albury
NSW 2640, AUSTRALIA
PH: (02) 60580300
apextoolaus@apextoolgroup.com
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Weller®

- Soldering Stations
- Rework Stations
- Fume Extraction
- Accessories

Weller® has been the leading brand in professional-quality soldering equipment since 1945. In addition to its famous irons and soldering guns, Weller is also recognized as a leader in advanced electronic rework and repair equipment and irons for sophisticated industrial applications, as well as numerous products for DIYers and hobbyists.



Electronically Controlled Stations



Description

WES51D
 An economical soldering station with High-End Performance. Ideal for continuous production soldering.

- Analogue temperature control
- Temperature lockout
- Automatic shut off
- Slim comfortable pencil - reduced operator fatigue
- Temperature range 150°C-450°C
- Max. power output 50W
- Assembled in Australia

Soldering station consists of:

- WES51DPU 230V Power Unit
- PES51 50 Watt 24V Pencil
- PH50 Holder
- ETA tip
- Soldering Tips - ET Series available

Material No.	Shelf Pack
WES51D	10



WESD51DAU
 Ideal for production, rework and repair of through hole SMT boards, some ground planes and multi-layer boards.

- Digital microprocessor temperature control with LED display
- Wireless temperature lockout tool
- Automatic shut off
- Tip temperature offset
- °C-°F switchable
- Temperature range 150°C-450°C
- Max. power output 50W
- Assembled in Australia

Soldering station consists of:

- WESD51DPU 230V Power Unit
- PES51 50 Watt 24V Pencil
- PH50 Holder
- ETA tip
- Soldering Tips - ET Series available

WESD51DAU	10
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WD1000AU
 A new concept in soldering iron design.

- Digital temperature control
- Temperature lockout
- Automatic shut off
- Unique miniature pencil
- 3 Pre-set temperature buttons
- °C-°F switchable
- Temperature range 50°C-450°C
- Max. power output 80W
- Made in Germany

Soldering station consists of:

- WD1 230V Power Unit
- WP80 80 Watt 24V Pencil
- WDH10 Holder
- LTB tip
- ROHS & WEEE Compliant

WD1000AU	1
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WD1AU
 Power Unit only

WD1AU	1
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WD1000TAU
 Soldering Station with Stop Go Stand

WD1000TAU	1
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Electronically Controlled Stations (cont'd)



Description

WD1000MAU

Micro Digital Rework Soldering Station,

- Designed for fine pitch, high density SMT soldering and rework
- 3 "radio buttons" allows pre-set of frequently used temp settings
- Setback, lockout, temp. window, F/C switching, standby, auto-off time
- Large high contrast LCD display displays more information at a glance
- The heating element is contained in the tip for fast heat-up
- WMRP Pencil weighs just 75g
- The pencil powers down when placed in the holder to extend tip life
- The "tip to grip" distance is 45mm, placing you close to the work
- The antistatic design of the safety rest has got four different settings
- ESD safe to protect sensitive components
- ROHS & WEEE Compliant
- Max. Power Output 150W; Consists of WMRP 40W Micro Soldering Pencils with RT3 Tip and WDH50 Holder

Material No.

WD1000MAU

Shelf Pack

1



WD1000HPT

The WD 1000HPT station features Weller's new 120 W soldering iron, the WP 120. This iron is ideal for soldering on difficult circuit boards with heat sinks that cause dissipation in heat transfer. Target applications include high density circuit boards, High Frequency / Radio Frequency applications, and solar panel production. The Weller WD1000HPT station is specifically designed for soldering operations which need a combination of high energy and maximum precision.

The WD1000 HPT consists of-

- The WD120 Soldering Iron XT Series Tips, refer page 29
- The WD1M Power Unit
- WDH10T Stop + Go Iron Safety Rest
- Power: 160W

WD1000HPTAU

1



NEW PRODUCT

WD1MAU

Power Unit only

WD1MAU

1



WD2000MAU

Dual Micro Digital Rework Station

- Use WMRP solder pencil and WMRT desoldering tweezers simultaneously
- Designed for fine pitch, high density SMT soldering and rework
- 3 "radio buttons" allows pre-set of frequently used temp settings
- Setback, lockout, temp. window, F/C switching, standby, auto-off time
- Large high contrast LCD display displays more information at a glance
- The "tip to grip" distance of the WMRP pencil is just 45mm
- WMRT tweezers utilize a tip cartridge that is always in alignment
- Tools are automatically switched off when placed in the stands
- ESD safe to protect sensitive components
- ROHS & WEEE Compliant
- Max. Power Output 160W; RoHS & WEEE Compliant; Consists of WMRP 40W Micro Soldering Pencil with RT3 Tip and WDH50 Holder, WMRT 80W Micro Desoldering Tweezers with RTW2 Tip and WMRTH Holder

WD2000MAU

1



NEW PRODUCT

WD2MAU

Power Unit only

WD2MAU

1

Electronically Controlled Stations (cont'd)





Description

Material No. **Shelf Pack**

WSD151
 Extremely high output soldering station delivering 150 watts
 • Digital microprocessor temperature control with LED display
 • Automatic shut off
 • Calibration box (WCB1 or WCB2) may be connected
 • °C-°F switchable
 • Temperature range 50°C-550°C
 • Max. power output 150W
 • ROHS & WEEE Compliant
 • Made in Germany
 Soldering station consists of
 • PUD151 230V Power Unit
 • WSP150 150 Watt 24V Pencil
 • KH27 Holder
 • LHT-F tip

T0053277599 1



WX1010 Soldering Station
 • WX1 Power Unit
 • WXP120 soldering tool (120 watt) with XTB tip
 • WDH10 safety rest with dry tip cleaner

WX1010AU 1




WX1 Power Unit only
 • 200 Watt rated output
 • Robust Touch screen display
 • Automatic energy saving mode
 • Multi purpose USB port
 • Benchtop Controller capability

WX1AU 1






WX1011 Soldering Station
 • WX1 Power Unit
 • WXMP micro soldering tool (40 watt) with RT3 tip
 • WDH50 safety rest with dry tip cleaner

WX1011AU 1






WX1012 Soldering Station
 • WX1 Power Unit
 • WXP65 soldering tool (65 watt) with XNT A tip
 • WDH10 safety rest with dry tip cleaner

WX1012AU 1






WX2020 Soldering Station
 • WX2 Power Unit
 • 2 x WXP120 soldering tool (120 watt) with XTB tips
 • 2 x WDH10 safety rest with dry tip cleaner

WX2020AU 1




View video & brochure on
 WX Product Range
 at Website
www.weller.de

Electronically Controlled Stations (cont'd)



Description

WX2021 Soldering Station

- WX2 Power Unit
- WXMP micro soldering tool (40 watt) with RT3 tip
- WDH50 safety rest with dry tip cleaner
- WXMT micro soldering tweezers (2 x 40 watt) with RTW2 tip
- WDH60 safety rest with dry tip cleaner

Material No. **WX2021AU**

Shelf Pack **1**



WX2 Power Unit only

- 240 Watt rated output
- Robust Touch screen display
- Automatic energy saving mode
- Multi purpose USB port
- Benchtop Controller capability

Material No. **WX2AU**

Shelf Pack **1**



WXD2010 Soldering Station

- WXD2 Power Unit
- WXDP120 desoldering iron
- WDH70 safety rest

Material No. **WXD2010AU**

Shelf Pack **1**



WXD2020 Soldering Station

- WXD2 Power Unit
- WXDP120 desoldering iron with WDH70 safety rest
- WXP120 soldering iron with WDH10 safety rest

Material No. **WXD2020AU**

Shelf Pack **1**



WXD2 Control Unit

- 230V Power Unit
 - Power consumption 200 Watt
 - Channels 2
 - Interface
 - ESD safe
 - Backlighting graphic display
 - Connectable tools: all WX tools are connectable
- The digitally controlled 2-channel soldering and desoldering station WXD2 was designed for professional repair work on state-of-the-art electronic assemblies in the industrial manufacturing, repair and laboratory sectors.*

Material No. **WXD2AU**

Shelf Pack **1**



View video
& brochure on
WX Product Range
at Website
www.weller.de


Tool Selection Chart

Tools



Station	TC201	TC201B	PRS50	PES51	WSP80	WP65	WP80	WP120	WSP150	WP200	WMRP	WMRT	WTA50	DS80UNC	DSX80	DSX120	HAP1	HAP200	WHP580	WSB80	WSB150	WST82	
WTCPT	◆																						
WTCPTD		◆																					
WES50D			◆																				
WES51D				◆																			
WESD51D				◆																			
WSD81					◆	◆	◆						◆						◆	◆			◆
WSL					◆	◆	◆						◆						◆	◆			◆
WSD151					◆	◆	◆		◆				◆						◆	◆		◆	◆
WSD161					◆	◆	◆		◆				◆						◆	◆		◆	◆
WMRS					◆	◆	◆				◆	◆	◆						◆	◆			◆
WD1000AU					◆	◆	◆						◆						◆	◆			◆
WD1000MAU					◆	◆	◆	◆					◆						◆	◆			◆
WD2000MAU					◆	◆	◆						◆						◆	◆		◆	◆
WD1AU					◆	◆	◆	◆					◆						◆	◆			◆
WD1MAU					◆	◆	◆	◆					◆						◆	◆			◆
WD2MAU					◆	◆	◆	◆	◆	◆	◆	◆	◆						◆	◆		◆	◆
WMD1					◆	◆	◆	◆					◆	◆	◆		◆		◆	◆			◆
WMD3					◆	◆	◆	◆	◆				◆	◆	◆		◆		◆	◆			◆
WR3M					◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
WR2					◆	◆	◆		◆	◆			◆	◆	◆	◆			◆	◆			◆

Soldering Tools




Description	Material No.	Shelf Pack
<p>PES51 50 watt soldering iron to suit WES51D and WESD51D See page 17 for ET tips PH50 Stand not included</p> <p>Refer Hand Tools Price List</p>	<p>PES51</p> 	1




<p>WP65 Soldering Set</p> <p>Consists of:</p> <ul style="list-style-type: none"> • WP65 tool with XNTA tip + WDH10 support • Excellent heat transfer producing very rapid thermal response • Slim barrel and short tip - grip (32mm) makes it ideal for precision soldering on smt boards • Heat up time approx. 7s. 50°C to 380°C • Compatible with all stations from 80W (except WX) 	<p>T0052921699</p> 	1
<p>WP65 65 Watt Soldering Tool only</p>	<p>T0052921599</p> 	1



<p>WP80 80 Watt Soldering Set</p> <ul style="list-style-type: none"> • Compatible with WD1 and WD2 Soldering Stations, and WR Rework Stations • WP80 offers 80 watts of power with short tip-to-grip (40 mm) • Perfect for Lead Free solder • ESD safe • ROHS & WEEE Compliant • See page 18 for LT tips, Accessories and Spares <p>Consists of:</p> <ul style="list-style-type: none"> • WP80 soldering pencil • WDH10 support • See page 18 for LT Tips 	<p>T0052918199</p> 	1
<p>WP80 Tool only</p> <p>WP80 Barrel for WP80 Pencil</p>	<p>T0052918099</p>	1


Soldering Tools (cont'd)



Description	Material No.	Shelf Pack
WP120 Soldering Set <ul style="list-style-type: none"> • Powerful heating element with a replaceable soldering tip • The rapid transfer of heat into the soldering tip is quickly and precisely controlled with sophisticated electronics • Design copes with big and difficult solder joints even at barely accessible places • Also ideal for HF shield plates or solar panel manufacturing • ROHS & WEEE Compliant Consists of: <ul style="list-style-type: none"> • WP120 soldering pencil • WDH10T Stop + Go Stand • See page 17 for XT tips 	T0052919499 	1

WP120 Tool only	T0052919399 	1
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WSP150 Soldering Set 150 watt soldering pencil for heavy duty work <ul style="list-style-type: none"> • ROHS & WEEE Compliant See page 20 for LHT tips Consists of: <ul style="list-style-type: none"> • WSP150 Soldering Tool • WDH30 Stand 	T0052918999 	1
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WSP150 Tool only	T0052917099 	1
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NEW PRODUCT

WP200 Soldering Set 150 watt soldering pencil for heavy duty work <ul style="list-style-type: none"> • ROHS & WEEE Compliant See page 20 for LHT tips Consists of: <ul style="list-style-type: none"> • WSP150 Soldering Tool • WDH30 Stand 	T0052920099 	1
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NEW PRODUCT

WP200 Tool only	T0052919999 	1
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Desoldering Tools



DSX80 Desoldering Set 80 Watt Desoldering Pencil <ul style="list-style-type: none"> • Temperature range 50°C-450°C • RPHS & WEEE Compliant See page 24 for DX tips Consists of: <ul style="list-style-type: none"> • DSX80 Desoldering Tool • WDH30 Stand 	T0051318399 	1
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DSX80 Tool only	T0051319099 	1
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DSX120 Desoldering Tool Temperature range 50°C - 450°C Power output 120W Heat-up time 35 sec. (50-380°C) Tip type XDS Series Connectable to WR2 and WR3M	T0051319899 	1
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Desoldering Tools (cont'd)



Description	Material No.	Shelf Pack
<p>WTA-50 SET The WTA-50 tweezers can be used with all Weller Temtronic/SL series stations. Dual heating elements with independent temperature sensors provide the tips with constant temperature. Temperature range 150°C - 450°C Output 2 x 25W Consists of: • Desolder Tweezer • AK51 Support • Hex Key Supplied with WT1 tip See page 21 for WT tips • ROHS & WEEE Compliant</p>	<p>T0053313399</p> 	1
<p>WTA50 Tool only</p>	<p>T0051317199</p>	1

Hot Air Tools



HAP1 SET
 100 Watt HAP1 Hot Air Pencil & WDH30 Stand.
 For both soldering and desoldering of SMD's.
 Temperature range 50°C - 550°C Power absorption 100W
 Consists of:
 • HAP1 hot air pencil
 • WDH30 Safety Rest
 • 1.2mm nozzle
 • Xcelite Nutdriver P8 MM
 See page 25 for nozzles
 • ROHS & WEEE Compliant

<p>T0052711899</p> 	1
<p>T0052711599</p>	1
<p>T0052711799</p> 	1
<p>T0052711699</p>	1
<p>T0058761728</p>	1

NEW PRODUCT

HAP1 Tool only



HAP200 SET
 Hot Air Pencil set 200W, 24V
 The HAP200 provides a directional hot air flow that is adjustable. Electronic temperature control from 50°C to 550°C. Different nozzles available as accessory. Finger switch controls the adjustable pump. For WR 3M only.

NEW PRODUCT

HAP200 Hot Air Pencil



HAP200 Nozzle Adapter
 See page 25 for Nozzles

Micro Tools



WMRP Micro Soldering Set
 Soldering pencil for RT soldering tips
 • ROHS & WEEE Compliant
 • 40 watt Micro Soldering Pencil Set with high speed regulation
 See page 20 for RT tips
 Consists of:
 • WMRP Tool
 • WDH50 Stand

WMRP Tool only

<p>T0052919099</p> 	1
<p>T0052917199</p>	1
<p>T0051317399</p> 	1
<p>T0051317499</p>	1








WMRT Micro Desoldering Tweezers with rest for WMRS, WD 1M, WD 2M
 The new WMRT desoldering tweezers enables with its twin parallel adjusted tiptlets a significant precise de- and soldering of very small SMD components. The high speed regulation of the stations WMRS, WD 1M, WD 2M drives this tweezers. Placed in the rest WMRTH the tips are automatically switched off for increasing endurance.
 • ROHS & WEEE Compliant


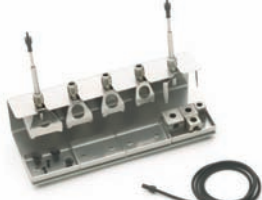
NEW PRODUCT

WMRT Tool only

WX Tools

	Description	Material No.	Shelf Pack
	WXP65 Soldering Set • 65 Watt soldering tool with XNTA tip • Very fast response for precision soldering • Very fast response for precision soldering • WDH10 safety rest with dry tip cleaner	T0052921299	1
	WXP65 Soldering Tool	T0052921199	1
	WXP120 Soldering Set • 24 volt, 120 Watt soldering tool with XTB tip • For soldering large components with high heat demands • WDH10 safety rest with dry tip cleaner	T0052920299	1
	WXP120 Tool only • 24 volt, 120 Watt soldering tool with XTB tip • For soldering large components with high heat demands	T0052920199	1
	WXP200 Soldering Set • 24 volt, 200 Watt soldering tool with XHTD tip • For soldering very large components or ground planes • WDH31 safety rest with dry tip cleaner	T0052920699	1
	WXP200 Tool only	T0052920599	1
	WXMP Soldering Set • 24 volt, 40 Watt micro soldering tool with RT3 tip • Extremely rapid response, ideal for working under a microscope • WDH50 safety rest with drip tip cleaner	T0052920499	1
	WXMP Tool only	T0052920399	1
	WXMT Tweezer Set • 24 volt, 2 x 40 Watt micro soldering tweezer with RTW2 tip • Extremely rapid response, ideal for desoldering small SMD parts • WDH60 safety rest with dry tip cleaner	T0051317899	1
	WXMT Tool only (Non tip cartridge)	T0051317799	1
	WXDP120 Desoldering Set • Temperature range 50°C - 450°C • Power consumption 120 W • Heat-up time 35 sec. (50°C - 350°C) • Desoldering tips XDS Series Consists of: • WXDP120 Desoldering Tool • WDH70 Stand	T0051320299	1
	WXDP120 Tool only	T0051320199	1

Optional Accessories

	WHP200 Infrared Under Board Heater The new WHP200 from Weller is a new under board heater which although small in dimensions is very powerful. The WHP200 is designed to be used on small multipayer PCBs to minimise the risk of thermal damage to boards and to speed up the repair process. • Universal application • Fast and efficient heating • Operating simplicity • Excellent Price-/Performance ratio • Voltage: 230 V / 50/60 Hz • Power: Heat Zone 200 W Medium Wave Infrared • Safety Class: I • Regulation: 50°C - 400°C	T0053371599	1
		WRK Rework Nozzle Kit The newly developed, innovative desoldering system facilitates soldering and desoldering of large SMT components up to 30 x 30 mm. The desoldering system can be connected to the additional vacuum channel (pick up) of the WR 3M. • 8 Nozzles • Assorted Vacuum Cups • 2 Vacuum Rods and Hose • Stand	T0051515599

Soldering Pencils, Magnastat temperature controlled, low voltage



Description	Material No.	Shelf Pack
*TC201B Magnastat Tool suits WTCPTD 42W 24V	TC201B	1
*TCP50M Magnastat Tool 40W 50V	TCP50M	1
*TC201 Magnastat Tool suits WTCPS/T 40W 25V	TC201	1
*For pricing refer to Hand Tools Price List		

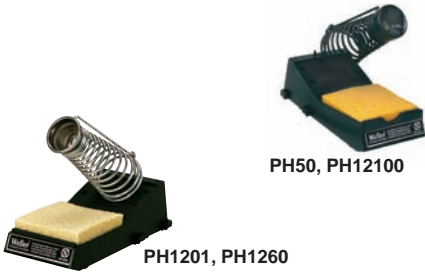
Soldering Pencils, temperature controlled, line voltage



W100D

*W60D Magnastat Tool 60W	W60D	1
*W100D Magnastat Tool 100W	W100D	1
*W201D Magnastat Tool 200W	T0056107599	1
See pages 24 & 25 for Tips		
*For pricing refer to Hand Tools Price List		

Tool Stands



PH50, PH1210



PH1201, PH1260

WDH10

WDH10T

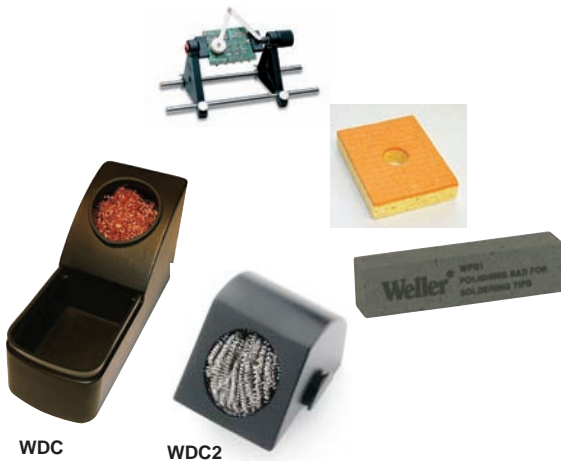
WDH30T

PH1201 Tool Stand for TCP, TC, EC and SP *For pricing refer to Hand Tools Price List	PH1201	1
PH50 Tool Stand for PES50 and PES51 *For pricing refer to Hand Tools Price List	PH50	1
PH1260 W60D Tool Stand *For pricing refer to Hand Tools Price List	PH1260	1
PH12100 W100D Tool Stand *For pricing refer to Hand Tools Price List	PH12100	1
WDH10 Support for WSP80 & WP80 with four different settings	T0051512199	1
WDH10T WP80 Stop-And-Go Stand	T0051516199	1
WDH30T Stop-And-Go Support	T0051516399	1

Tool Stands Chart

Tools	STANDS									
	PH1201	PH50	WDH10	WDH20	WDH30	WDH50	WDH10T	PH1260	PH12100	AK51
TCP	♦									
TC201/B	♦									
EC1201	♦									
PES50		♦								
PES51		♦								
WSP80			♦				♦			
WSP150					♦					
WP80			♦				♦			
WP120			♦				♦			
WMP				♦						
WMRP						♦				
WTA-50										♦
HAP1					♦					
HAP200					♦					
DS80UNC					♦					
DSX80					♦					
W60D								♦		
W100D									♦	

Soldering Aids



Description	Material No.	Shelf Pack
ESF-120ESD Printed circuit board holder • Adjustable to Eurocard size • Suitable for holding irregular shaped cards • Component support	T0051502699	1
Sponge 2 Layers - Pack of 5 70X55X16MM	T0052242099	1
WPB1 Polishing Bar • Rejuvenates tips without damage to the plated surface	WPB1	1
WDC2 Dry Cleaner Attachment	T0051512599	1
WDC Wire Wool 2 Refills	T0051382499	1

Electronic Temperature Measuring Equipment



WTT1 Temperature measurement and calibration. • Measures temperature without imposing thermal load. The WTT1 digital temperature measuring system has been specifically designed for measuring the temperature of soldering iron tips. The probe has a double sensor system and internal heat source. The measured temperature is fed to a control system that records the flow of heat in the probe and stabilizes it with the aid of the internal heat source. This design ensures that no heat is drawn by the probe from the object being measured. Erroneous measurements due to the large thermal load of the probe are thus prevented. The measured temperature is indicated on a three-digit LED display to a resolution of 1°C. An adjustable preheat temperature ensures a rapid response even at high temperatures.	T0053124699	1
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Weller® Pyropen



WPA2 Piezo ignition (self) lighting. Kit includes: • 1 x WPT-2 soldering tip • 1 x WHC-52 hot blow tip • Metal kit box See page 32 for tip selection *For pricing refer to Hand Tools Price List	WPA2	1
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WSTA3 Soldering, hot blow and torch flame facilities.Kit includes: • 1 x soldering tip • 1 x hot blow tip • torch ejector tightening bar • Metal Kit box See page 32 for tip selection *For pricing refer to Hand Tools Price List	WSTA3	1
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WSTA6 Junior pocket size with auto ignition • Fitted with pocket clip • Suitable for soldering and hot blow applications • 1 x WPT-01 tip See page 31 for tip selection *For pricing refer to Hand Tools Price List	WSTA6	1
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WSTA5 Jumbo, (self igniting) Kit includes: • Soldering Tip 72-01-02 • Hot Blow Tip 72-01-52 • Metal kit box See page 31 for tip selection *For pricing refer to Hand Tools Price List	WSTA5	1
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Repair/Rework Stations



View brochure
& video at website:
www.weller.de



Description	Material No.	Shelf Pack
WR2 Rework Station <ul style="list-style-type: none"> • 300 Watt rated output • Two channel simultaneous operation • Internal air and vacuum supply • Will drive regular Weller tools up to 200 watts • Will not drive micro tools or XT tools • DH10 safety rest with dry tip cleaner 	WR2AU  <small>ESD SAFE</small>	1
WR2000A Hot Air Station <ul style="list-style-type: none"> • WR2 Rework station • HAP1 Hot air tool with 3.0mm nozzle • WDH30 Safety rest with dry tip cleaner 	WR2000AAU  <small>ESD SAFE</small>	1
WR2000D Desoldering Station <ul style="list-style-type: none"> • WR2 Rework station • DSX80 Desoldering tool with DSX113HM tip • WDH30 Safety rest with dry tip cleaner 	WR2000DAU  <small>ESD SAFE</small>	1
WR2002 Rework Station <ul style="list-style-type: none"> • WR2 Rework station • WP80 Soldering tool with LTB tip • WDH10 Safety rest with dry tip cleaner • DSX80 Desoldering tool with DSX113HM tip • WDH30 Safety rest with dry tip cleaner 	WR2002AU  <small>ESD SAFE</small>	1





Repair/Rework Stations



reddot design award
winner 2007





View video &
brochure at website:
www.weller.de

Description	Material No.	Shelf Pack
<p>WR3M Package includes:</p> <ul style="list-style-type: none"> • WR 3M repair station • Adapter for HAP200 hot-air pencil • CD with USB software • USB cable <p>Technical data:</p> <ul style="list-style-type: none"> • Dimensions L x W x H (mm): 237 x 235 x 102 • Weight: approx. 6.7 kg • Mains supply voltage: 230 V, 50 Hz (120 V, 60 Hz) • Power consumption: 420 W • Safety class: I and III, housing antistatic • Fuse: Overcurrent release 2 A (4 A) • Temperature control Soldering and Desoldering iron stepless of channels: 50°C-550°C • Controllable temperature range is tool-dependent • Temperature accuracy: ± 9°C • Temperature stability: ± 2°C • Pump (periodic duty (30/30) s): Max. vacuum 0.7 bar • Max. delivery rate 18 l/min • Hot air max. 15 l/min • Additional Pump: Max. vacuum 0.5 bar • Max. delivery rate 1.7 l/min • Equipotential bonding: Via 3.5 mm pawl socket on back of device 	<p>T0053366699</p>  	1
<p>WR3000MAU Rework Set Package includes:</p> <ul style="list-style-type: none"> • WR3M • HAP200 Hot-air pencil with WDH30 Safety rest • DSX80 Desoldering iron with WDH30 Safety rest • WP80 Soldering iron with WDH10 Stop + go Safety rest • WVP Vacuum pick up • WDC2 Dry cleaner <p>Technical data:</p> <ul style="list-style-type: none"> • Dimensions: L x W x H (mm): 237 x 235 x 102 • Weight: approx. 6.7 kg • Mains supply voltage: 230 V, 50 Hz (120 V, 60 Hz) • Power consumption: 420 W • Safety class: I and III, housing antistatic • Fuse: Overcurrent release 2 A (4 A) • Temperature control Soldering and Desoldering iron stepless of channels: 50°C-550°C • Controllable temperature range is tool-dependent • Temperature accuracy: ± 9°C • Temperature stability: ± 2°C • Pump (periodic duty (30/30) s): Max. vacuum 0.7 bar • Max. delivery rate 18 l/min • Hot air max. 15 l/min • Additional Pump: Max. vacuum 0.5 bar • Max. delivery rate 1.7 l/min • Equipotential bonding: Via 3.5 mm pawl socket on back of device 	<p>WR3000MAU</p>  	1

Hot Air Station



<p>WHA900 Hot air station 700W with built-in turbine Low cost hot air station for less complex repair tasks and hot air applications such as shrinking. The in-built turbine provides hot air and variable temperatures. The temperature of the hot air is electronically controlled.</p> <ul style="list-style-type: none"> • Analogue temperature adjustment • Temperature range 50°C-550°C • Air Volume 5-50 l/min (ESD Safe) • Two rotary potentiometers to set air temperature and air volume • Standby and calibration function • Safety Class I • ROHS & WEEE Compliant 	<p>T0053171699</p>  	1
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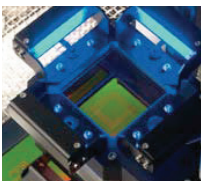
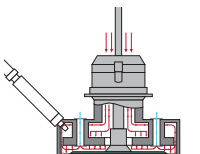
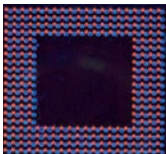
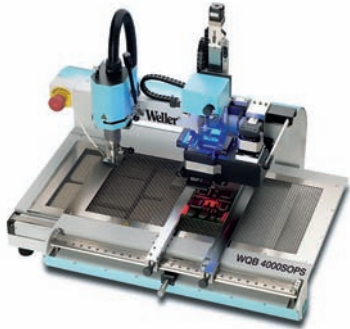
Repair/Rework BGA/QFP Stations

The new WQB Repair System upgrades the Weller product range in the SMD repair tool sector. A well thought-out design concept combines reliability and maximum process control with ease of use and technically mature detail solutions. Useful accessories increase the possible uses of this repair work station.

On the WQB 3000 the temperature-regulated 2-zone infrared bottom heater provides rapid warm up and homogeneous substrate temperatures. The hot gas top heater, with digital control electronics for temperature monitoring and regulation of the air flow rate, facilitates the finely metered supply of heat to the components.

A temperature sensor placed directly in the hot gas nozzle efficiently regulates the top heater and thus provides maximum process control.

Large chip removal station with high energy handpiece. Extensive assortment of economically priced nozzles, with custom sizes made to order.



Description

WQB4000SOPS

Weller's next-generation repair and rework station combines a completely new design with state-of-the-art split optic camera technology to provide users with absolute reliability, optimum process control and enhanced ease of use.

• Advanced design for enhanced precision

The WQB4000SOPS is modularly built with a slide platform, advanced patented systems and materials of the highest quality to guarantee industrial reliability and long-lasting durability.

• Heating from above: selective and sensitive

The hot gas heater with patented nozzle system, coupled with digital control electronics for temperature monitoring and regulation of the air flow rate, facilitates the finely metered supply of heat to the components. A temperature sensor placed directly in the hot gas nozzle prevents thermal overload of the component and efficiently regulates the top heater, providing maximum process control.

• Heating from below: rapid and homogeneous

The temperature-regulated two-zone infrared bottom heater provides rapid, yet precisely controlled warm-up at homogeneous substrate temperatures.

• Streamlined technology

The new WQB4000SOPS enables users to work with a standard PC via a USB 2.0 port. Additional appliances or interface cards are not required.

• Monitoring software: comprehensive functions

The monitoring software determines temperature profiles and facilitates definition of the optimal soldering process.

• Teach-in feature: fast, effective parameter identification

Repeatable results can only be achieved by a process cycle that considers all the parameters of the repair operation. The 'Teach-in' feature provides a quick and easy method of determining process cycle parameters and identifying critical points - without the need for in-depth operator knowledge. The software includes a library of soldering profiles, i.e. general and specific parameters enabling repeatable use. New profiles can be edited easily by the user and added to the library.

• Perfect component/circuit board alignment

With the split optic camera, live images of a component and a circuit board can be aligned independently of each other using the x, y and theta axis fine adjustment drives.

1. Component size & theta axis

2. Align y axis

3. Align x axis

4. Component aligned!

• Removal (desoldering) of the defective component

The ability to preheat the circuit board and a temperature/time controlled process are critical for good reflow of the solder joints. At the end of the reflow cycle, to avoid damage to the solder pads, a vacuum lift automatically removes the component from the board with minimum force and exact temperature control.

• Cleaning of the circuit board

Residual solder should be removed from the board with a desoldering iron or desolder wick. Residual contaminants can be removed with a suitable solvent spray.

• Positioning of the new component

The new WQB4000SOPS station's split optic camera placement system ensures precise positioning of a wide range of components - from BGA to fine pitch SMT.

• Component soldering

Reflow of the replaced component is essentially a repeat of the removal process, without the vacuum lift being initiated at the end of the profile. An extensive range of hot gas nozzles and adapters are available to cater for the many body sizes of BGA devices or QFP and PLCC packages.

• Temperature profiling

An eight-step temperature profile enables soldering and cooling that are perfectly tailored to specific requirements.

• Split Optics for perfectly accurate positioning

The new SOPS (Split Optic Positioning System) with the high-resolution 2 Mpix CMOS USB 2.0 camera enables accurate positioning of the components following desoldering. It works with a single camera and two-colour lighting for exact positioning. Superb image quality at high dynamics and very low image noise ensure precise, ergonomic component mounting.

• An ever expanding field of applications

The new WQB4000SOPS is optimally equipped to take on repair and rework in mobile communications, research and general BGA, QFP work. Specifically, with PBGA, CBGS, CCGA, CSP's, Micro BGA, QFN, PLCC, SOP and PGA components.

1. Components without direct access to the solder joint

2. Leaded components with external solder joints

3. A wide variety of special modules.

Material No.

T0053370699

Shelf Pack

1

Technical Data

Dimensions (L x W x H):

approx. 630 x 630 x 650 mm

Dynamic dimensions:

approx. 1030 x 630 x 650 mm

Power supply voltage: 230V, 50/60 Hz

Mains fuse: T10A

Power: 2300W

Top heater: 700W

Bottom heater:

large 1600W (260 x 260) mm

small 400W (120 x 120) mm

Compressed-air supply:

400-600 kPa purified, dry compressed air

Compressed-air converter:

vacuum 60 kPa

Temperature control:

infinitely variable 50°C - 400°C

control precision $\pm 10^\circ\text{C}$

Flow control:

infinitely variable 5-50 l/min.

Air consumption: 60-100 l/min. (4 bar)

Total weight: approx. 40kg

View brochure
at website:
www.weller.de

Fume Extraction

Many work environments today, including soldering, adhesives, welding and laser applications, create particles and gases that can be harmful to the work place and the environment. Most people thought that the move to lead-free soldering would be more nature friendly. In reality lead-free soldering smoke emissions contain more breathable fine dust particles. More and smaller particles are produced due to the higher working temperatures required and because more flux is used in the soldering process.

In many countries legal regulations governing clean air in the work place require that hazardous substances are removed from the air in order to avoid harmful effects on people and machines.

It is important to use the correct safety equipment to remove these hazardous substances. Fine particles are more dangerous to inhale than big particles as they get caught more easily and block the alveoli in the lungs.

To protect the operator it is important to use an extraction system that is able to separate these particles and gases and then re-circulates the cleaned air back into the work place. This saves energy and reduces energy costs.

Weller® Zero-Smog® Systems offer two solutions for fume extraction:

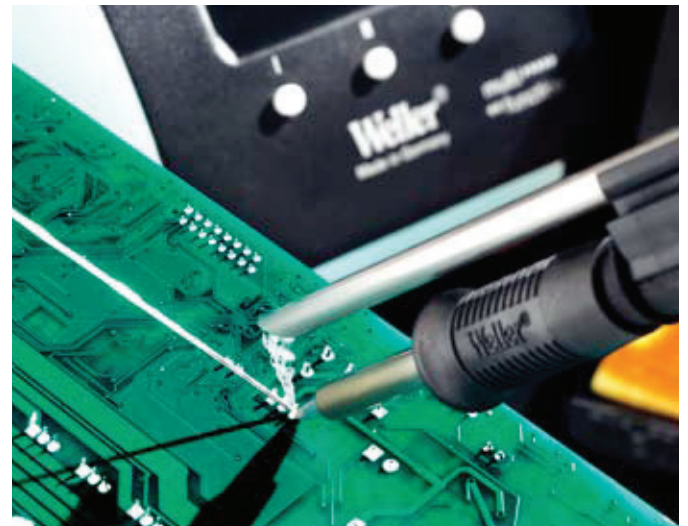
Tip Extraction

Weller® FE (Fume Extraction) soldering irons have a smoke tube integrated into the handle. When soldering the tube is positioned directly above the joint and collects any fumes produced. Fume extraction attachments can be retro fitted to non fume extraction Weller® soldering irons.

- Less investment per work place
- Collect pollution direct at source
- Up to 20 collection points with one system (200 m apart)
- Ergonomic friendly with easy access to work place
- No noise
- Minimal air movement

For brochure and product information refer to website: www.weller.de

Tip Extraction



Volume Extraction

More suitable for applications involving, for example, solder baths, hot air soldering, micro solders and gluing work. Weller® offers various mobile systems that purify the air at up to a maximum of 8 workplaces.

- Larger areas can be covered
- Low maintenance
- Mobile
- Quick & easy installation
- Economic for 1 to 8 work places
- Remote control

Volume Extraction



Filter Technology

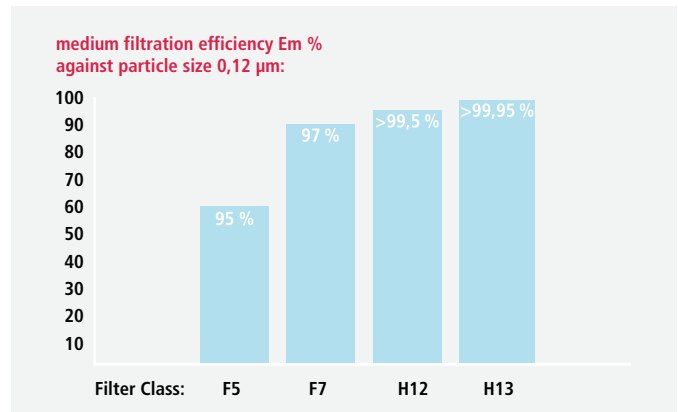
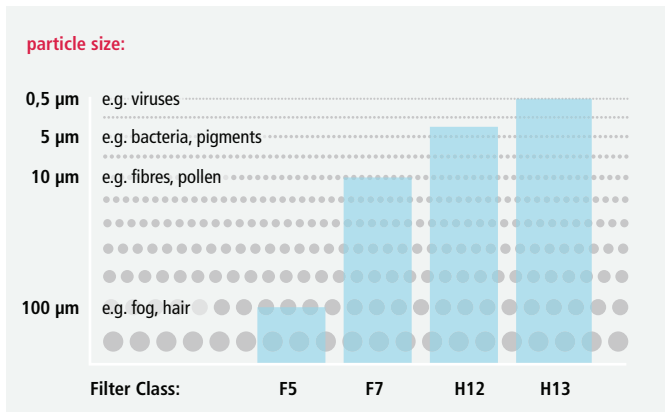
Weller® Zero-Smog® Systems are specifically designed for continuous operation in industrial environments. Care and attention at the design stage plus careful component choice and a high quality manufacturing process have given Weller® extraction systems a world wide reputation for reliability and longevity.

Weller® Zero-Smog® Systems have a **three stage filter system** for removing small particles, fumes and gases that are produced in different working processes:

1. The hazardous substances are efficiently captured by the nozzle and are absorbed into the filter.
2. Bigger particles get caught in the pre-filter and smaller particles get caught in the HEPA (High Efficiency Particulate Air) filter.
3. The Wide Band Gas Filter removes fumes and adhesives.

End product – clean air – is re-circulated into the workplace.

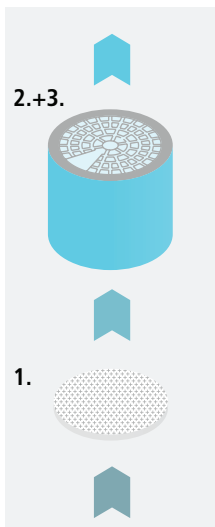
Filter Class	Recommended Application
F 5	for standard applications
F 7	for applications with high flux content
H12 / H13	filter for clean rooms 1000 – 100



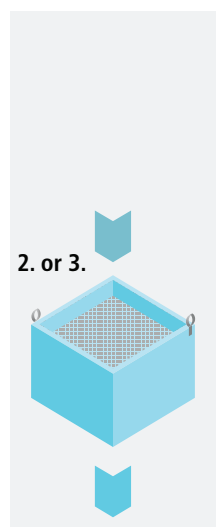
Filter Class F5, F7: Fine dust filter as per EN 779
Filter Class H12/H13: According EN 1822 HEPA (High Efficiency Particulate Air) Filter

Filter Process

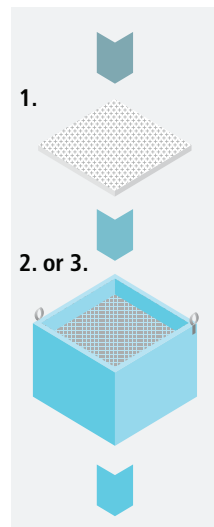
WFE, WFE P



WFE 2X



WFE 20D, WFE 2S, WFE 4S, WFE 8S, WFE 2ES, WFE 2CS



1. Fine dust filter

For standard applications with a small amount of flux and pollution gases with high solid content, Weller® offers filter classes **F5** or **F7**.

2. Compact filter consisting of: HEPA filter

Filters particles up to 0.3 µm. Weller offers HEPA (High Efficiency Particulate Air) filters of class **H12** and **H13**, medium filtration efficiency 99.5% / 99.95%.

Wide band gas filter

For cleaning harmful fumes and vapours. The Weller wide band gas filter consists of **50% active carbon** and **50% Puratex**. Harmful gases with a high molecular weight are cleaned by the active carbon. Puratex is suitable for absorbing gases of lower molecular weight. Because of its composition, Puratex is able to convert a large number of chemical pollutants by means of molecular modification into non-polluting gases.

3. Gas filter (option)

The gas filter is used for extracting adhesive fumes and solvents. Experience has shown that filtering suspended particles is not so vital in this respect. The gas filter is filled with **50% active carbon** and **50% Puratex**. The HEPA H12 and H13 is omitted.

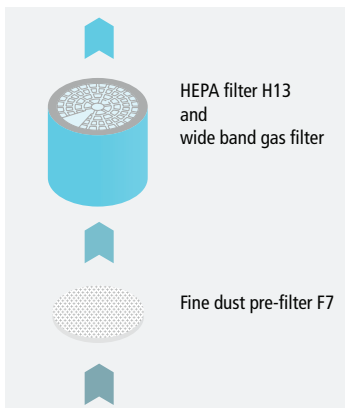
Solder Fume Extracting Unit




ESD safe



low sound level

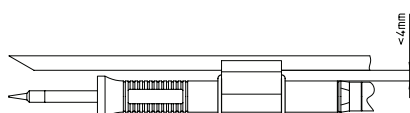


Description	Material No.	Shelf Pack
<p>WFEP2</p> <p>The Weller® WFE P2 is a line voltage fume extraction unit designed to run with one or two FE (Fume Extraction) soldering irons. The WFE P2 has an electric, long-life, soundproofed vacuum pump to produce the required vacuum - it does not need a compressed air supply. The vacuum pump has two power settings which can be selected by means of rocker switches depending on the number of FE soldering irons connected to the unit. This saves energy. The motor is maintenance-free and has a thermal over load to protect the unit. The filter lift system allows fast and convenient main filter replacement. FE soldering irons are connected directly to unit - additional leads are not required.</p> <ul style="list-style-type: none"> • Up to 2 FE soldering irons can be connected • Electric vacuum pump to produce the required vacuum • 2 power stages for higher extraction performance with 2 FE soldering irons • Portable unit for stand alone applications. <p>Scope of supply includes:</p> <ul style="list-style-type: none"> • WFE P Fume extraction unit • Compact filter <p>Consists of: HEPA filter H13, wide band gas filter (50% active carbon, 50% Puratex)</p> <ul style="list-style-type: none"> • Fine dust filter F7 <p>Technical Data:</p> <p>Maximum capacity 2 FE soldering irons Sound level <45 db (A) at 1m distance Operating voltage 230V/50Hz Power input 70W Maximum vacuum 30.000 Pa Height 295mm (11.6in) Diameter 140mm (5.5in) Weight 4kg/8.8lb</p>	<p>T0053639599</p> 	1

FE (Fume Extraction) Soldering Irons



ESD safe



Description	Material No.	Shelf Pack
<p>The smoke absorption tube is integrated into the handle. It can be placed over the joint when soldering but can be retracted when access to the joint is a problem and can also be removed for cleaning. The irons are temperature controlled, ergonomic and allow precise handling. These electronically controlled irons can be driven from any Weller® power unit compatible with the rating of the iron or any Weller® rework station. The range of iron power ratings and the extensive range of solder tips mean that there is an iron to suit all applications. The FE soldering irons are supplied with a burn proof hose 5mm (0.19 in) diameter, 2.5m (98.42 in) long.</p> <p>FE ATTACHMENTS</p> <p>A range of FE attachments are available to fit standard Weller® soldering and desoldering irons to convert them to fume extraction versions. The attachments are supplied with all necessary fittings and hoses. The performance of the retro-fitted tools is not affected. For Weller® soldering irons WP120, WP80, WSP80, WMP, MLR21 or soldering irons with handle diameter 10-13mm (0.39-0.51 in). Clip will be fixed with a silicone O-ring to the soldering iron.</p> <p>FE Attachment with tube, 6.0mm for WP120, WSP80, WP80, MLR21, MLR80, WMP</p> <p>FE Attachment with tube, 4.5mm for WP120, WMRP and WSP80, WP80, MLR21, MLR80, WMP for fine soldering applications</p>	<p>T0052918699</p> <p>T0052918599</p>	1 1

Weller® WFE2X



Description	Material No.	Shelf Pack
<p>WFE2X KIT 1 Mobile fume extraction kit Includes:</p> <ul style="list-style-type: none"> • 2X Fume extraction unit 100-240V / 50/60Hz • KIT 1 WF60 Sloped stativ extraction arm for volume extraction consists of: Funnel nozzle Stop valve Bench mounting bracket Extraction hose 	WFE2XKIT1AU	1
<p>WFES KIT 1 Kit 1 Funnel Kit</p> <ul style="list-style-type: none"> • 1 x Extraction Arm • 1 x Table Mount Kit • 1 x Length Hose • 1 x Funnel 	T0053657199	1

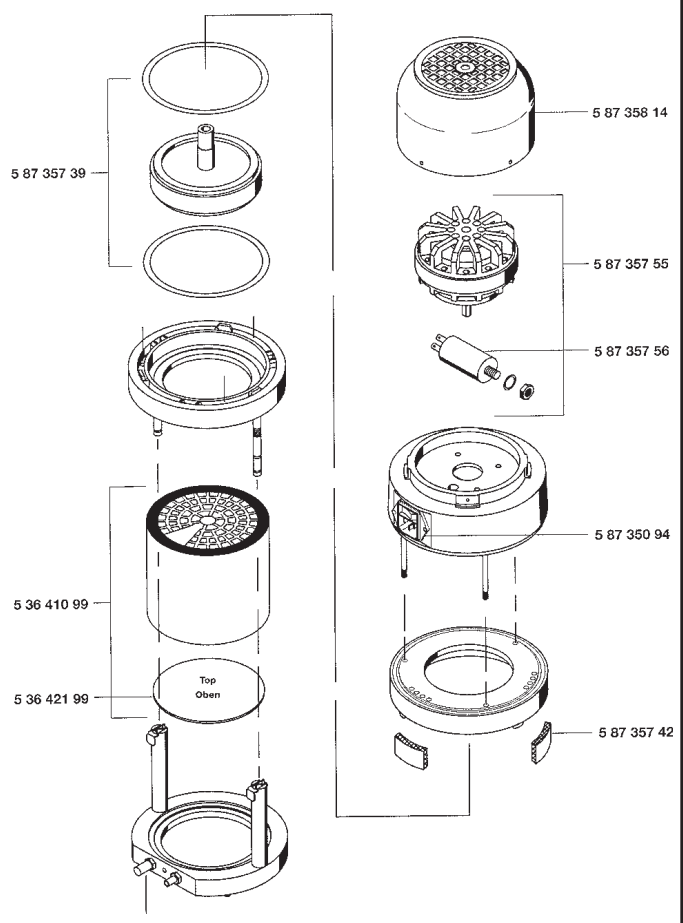
Weller® WFE2ES Kit



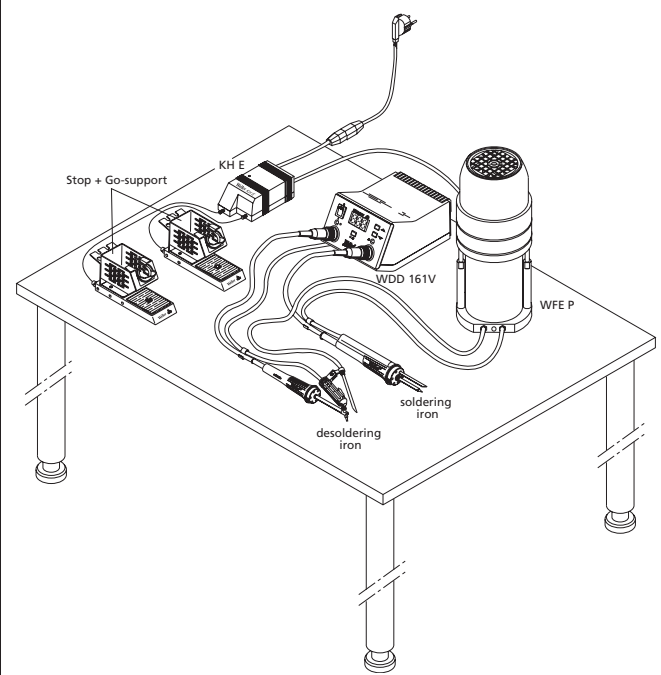
ESD safe low sound level

<p>WFE2ES Economy 2 Port Volume Extraction Unit</p> <ul style="list-style-type: none"> • Up to Maximum 2 Work Stations • Brushless EC Extractor Fan • Maximum Airflow 200m³h • Maximum Vacuum 1800Pa • F5 Pre-Filter • H12 Main Filter (Activated Carbon Foam) • Low Noise Level 	T0053650599	1
<p>WFE2ES KIT 1 Workstation Kit</p> <ul style="list-style-type: none"> • 1 x WFE2ES • 1 x Extraction Arm • 1 x Table Mount Kit • 1 x Length Hose • 1 x Funnel 	T0053651699	1

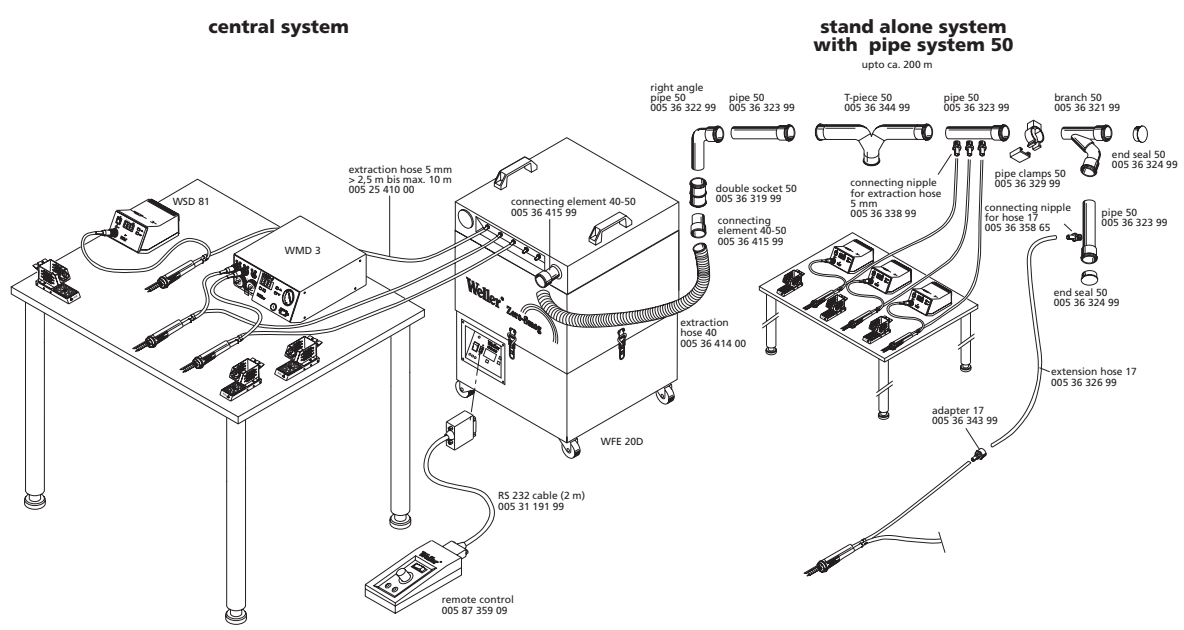
Exploding Drawing for WFE2P



Installation Option for a Central System with WFE P



Installation Option for a Central and Stand Alone System with WFE 20D



Accessories for Tip Suction

The following products are suitable for 50mm Diameter. When using a 75mm Diameter Hose, a tube reducer will be required.





















Description	Material No.
WFFMP 50 seal, locking adjustable	T0053637199

Spare Part Filters

<p>Spare filter for WFE2S: Fine dust filter F5 (10 pieces) Compact filter Consists of: HEPA filter H12, wide band gas filter (10% active carbonate foam)</p>	T0058735884
<p>Spare filter for WFE2ES: Fine dust filter F5 (10 pieces) Compact filter Consists of: HEPA filter H12, wide band gas filter (10% active carbonate foam)</p>	T0058762701

Replacement Soldering Tips

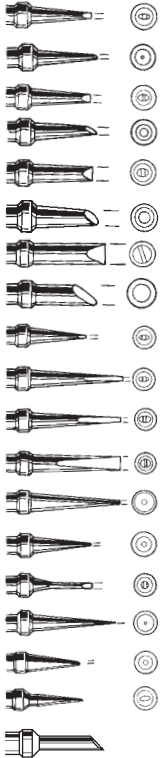
PT SERIES Suit WTCPS/T stations and TC series soldering pencils.

	Description	Tip Size mm	Reach mm	Material No.			Shelf Pack
				600°F (315°C)	700°F (371°C)	800°F (427°)	
	Screwdriver	1.6	15.9	PTA6	PTA7	PTA8	1
	Single flat	1.6	15.9	PTAA6	PTAA7	PTAA8	1
	Screwdriver	2.4	15.9		PTB7	PTB8	1
	Single flat	2.4	15.9		PTBB7	PTBB8	1
	Screwdriver	3.2	15.9	PTC6	PTC7	PTC8	1
	Single flat	3.2	15.9		PTCC7	PTCC8	1
	Screwdriver	4.7	15.9		PTD7	PTD8	1
	Single flat	4.7	15.9		PTDD7		1
	Screwdriver	6.0	15.9			PTE8	1
	Conical flat	1.2	15.9		PTF7		1
	Screwdriver	0.8	15.9	PTH6	PTH7	PTH8	1
	Long Screwdriver	1.2	25.4		PTK7	PTK8	1
	Long Screwdriver	2.0	25.4		PTL7	PTL8	1
	Long Screwdriver	3.2	25.4		PTM7	PTM8	1
	Long conical	0.8	25.4		PTO7	PTO8	1
	Conical	0.8	15.9		PTP7	PTP8	1
	Narrow Screwdriver	1.6	15.9		PTR7	PTR8	1
	Long conical	0.4	25.4	PTS6	PTS7	PTS8	1

Replacement Soldering Tips

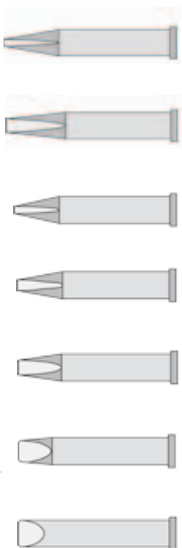
ET SERIES

Suits EC1000/2000 WES50, WES51, WESD51 stations fitted with EC1201A, WSP50 and WSP51, PES50 & PES51 soldering pencils.



Description	Tip Size mm	Reach mm	Material No.	Shelf Pack
Screwdriver	1.6	15.9	ETA	1
Single flat	1.6	15.9	ETAA	1
Screwdriver	2.4	15.9	ETB	1
Single flat	2.4	15.9	ETBB	1
Screwdriver	3.2	15.9	ETC	1
Single flat	3.2	15.9	ETCC	1
Screwdriver	4.7	15.9	ETD	1
Single flat	4.7	15.9	ETDD	1
Screwdriver	0.8	15.9	ETH	1
Long Screwdriver	1.2	25.4	ETK	1
Long Screwdriver	2.0	25.4	ETL	1
Long Screwdriver	3.2	25.4	ETM	1
Long conical	0.8	25.4	ETO	1
Conical	0.8	15.9	ETP	1
Narrow Screwdriver	1.6	15.9	ETR	1
Long conical	0.4	25.4	TETS	1
Conical	0.6	15.9	ETT	1
Single flat	0.4	17.8	ETUB	1
Mini Wave for J Leads and Gullwings			ETGW	

XT SERIES to suit WP120 Soldering Pencil



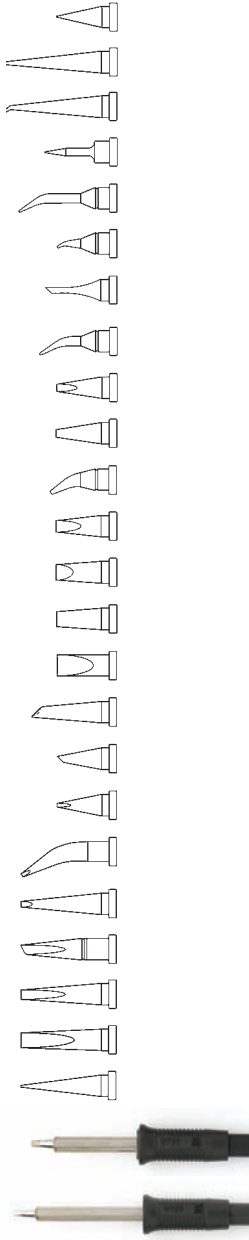
Description	Width mm	Thickness mm	Material No.	Shelf Pack
XTAL Chisel	1.6	1.0	T0054470199	1
XTM Chisel	3.2	1.2	T0054470299	1
XTA Chisel	1.6	0.7	T0054470399	1
XTB Chisel	2.4	0.8	T0054470499	1
XTC Chisel	3.2	0.8	T0054470599	1
XTD Chisel	4.6	0.8	T0054470699	1
XTE Chisel	5.9	1.2	T0054470799	1

Replacement Soldering Tips



LT Tip Selection Chart to suit WSP80/WP80

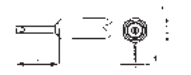
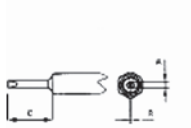
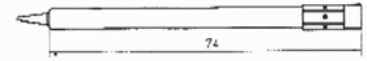
Material No.	Style	Size 1	Size 2	Reach
LT1	Round	0.25	-	12.5
LT1L	Round	0.2	-	25
LT1LX	Bent Round	0.2	-	25
LT1S	Round	0.2	-	15
LT1SLX	Bent Round	0.4	-	20.5
LT1X	Bent Round	0.4	-	20.5
LT4AU	Single Flat	1.2	-	15
LT4X	Bent Round	1.2	0.4	16.4
LTA	Chisel	1.6	0.2	12.5
LTAS	Round	1.6	-	12.5
LTAX	Bent Chisel	1.6	0.8	13.5
LTB	Chisel	2.4	0.8	12.5
LTC	Chisel	3.2	0.8	12.5
LTCS	Round	3.2	-	12.5
LTD	Chisel	4.6	0.8	12.5
LTGW	Gull Wing	3.2	2.3	17.8
LTF	Single Flat	1.2	-	12.5
LTH	Chisel	0.8	0.4	12.5
LTHX	Bent Chisel	0.8	0.2	20
LTK	Chisel	1.2	0.4	20
LTKN	Knife (J-Lead)	6.2	-	20
LTL	Chisel	2.0	1.0	20
LTM	Chisel	3.2	1.2	20
LTS	Round	0.4	-	20
T0058744845	Short Barrel	40mm		
T0058744846	Long Barrel	68mm		



Replacement Soldering Tips



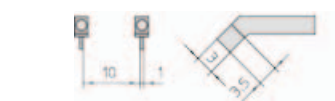
NT Tip Selection Chart to suit WMP Pencil



Description	Width A	Thickness B	Length C	Material No.
Chisel Tip	0.8mm	0.4mm	8.4mm	NTH
Chisel Tip	1.2mm	0.4mm	8.4mm	NTK
Chisel Tip	1.6mm	0.4mm	8.4mm	NTA
Chisel Tip	1.6mm	0.4mm	9.5mm	NT6
Chisel Tip	2.4mm	0.8mm	7.4mm	NTB
Chisel Tip	3.2mm	0.8mm	7.8mm	NTC
Chisel Tip	4.0mm	0.8mm	7.8mm	NTD
Chisel Tip, Bent	0.4mm	1.6mm	8.2mm	NTAX
Round Tip, Bent	0.4mm	-	8.6mm	NT1X
Round Tip	0.25mm	-	7.4mm	NT1
Round Tip, Small	0.25mm	-	8.5mm	NT1S
Chisel Tip	0.4mm	0.14mm	8.4mm	NT1SC
Round Tip, Sloped 45°	1.2mm	-	9.9mm	NT4
Gull Wing	2.0mm	3.0mm	13.4mm	NTGW



RTW Tip Selection Chart to suit WMRT thermal tweezer



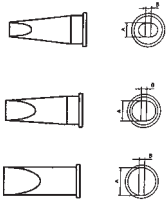
Cat No.	Dimensions			Style	Single product code
	Width 1	Width 2	Length OA		Material No.
RTW1	0.4mm	-		Tweezer tip	T0054465199
RTW2	0.7mm	0.4mm		Tweezer tip	T0054465299
RTW3	3mm	0.7mm		Tweezer tip	T0054465399
RTW4	6mm	0.7mm		Tweezer tip	T0054465499

Replacement Soldering Tips



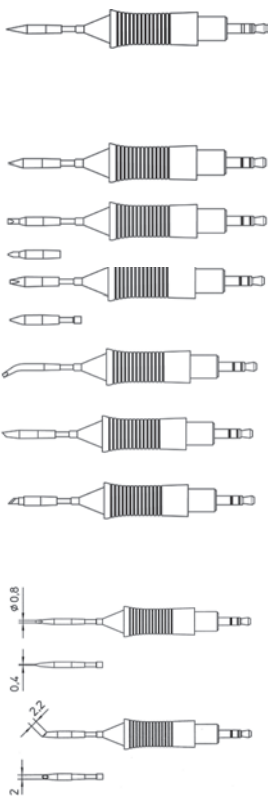
WSP150 SERIES

Description	Tip Size mm	mm	Material No.	Shelf Pack
LHT-C Chisel Tip	3.2	1.2	T0054445599	1
LHT-D Chisel Tip	5.0	2.0	T0054445299	1
LHT-E Chisel Tip	7.0	2.0	T0054445199	1
LHT-F Chisel Tip	9.3	2.0	T0054445099	1

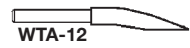
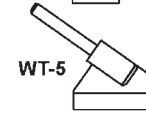
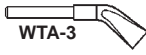
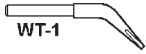


RT SERIES to suit WMRP pencil

Description	Tip Size mm	mm	Material No.	Shelf Pack
RT1 Needle Tip	0.2		T0054460199	1
RT1C Chisel Tip	0.4	0.15	T0054461299	1
RT2 Point Tip	0.8		T0054460299	1
RT3 Chisel Tip - Straight	1.3	0.4	T0054460399	1
RT4 Chisel Tip - 1.5mm thick	1.5	0.4	T0054460499	1
RT5 Chisel Tip, bent, 30°	0.8	0.4	T0054460599	1
RT6 Round Tip, bevelled, 45°	1.2		T0054460699	1
RT7 Knife Tip, sloped, 45°	2.2		T0054460799	1
RT8 Chisel Tip	2.2	0.4	T0054460899	1
RT9 Chisel Tip	0.8	0.4	T0054460999	1
RT10GW Gull Wing	1.2	2.0	T0054461099	1
RT11 Chisel Tip	3.6	0.9	T0054461199	1
RT Measuring Tip			T0054461399	1



Replacement Soldering Tips



WT SERIES to suit WT-50 Thermal Tweezers

Catalogue No.	Tip Size mm	"x" mm	Material No.	Shelf Pack
WTA-1	1.0	11.0	T0054414199	1pr
WTA-2	3.0	11.0	T0054414699	1pr
WTA-3	6.0	11.0	T0054414799	1pr
WTA-4	12.5	10.0	T0054414399	1pr
WTA-5	18.5	12.0	T0054414499	1pr
WTA-12	3.0		T0054415399	1pr

WPT0 SERIES PYROPEN TIPS, Suit WSTA6 Auto Ignition Jr.



Description	Tip Size mm	Material No.	Shelf Pack
Taper	1.0	WPT01	1
Screwdriver	2.4	WPT02	1
Chisel	2.0	WPT03	1
Screwdriver	5.0	WPT04	1
Nozzle	1.5	WHC0150	1
Nozzle	4.7	WHC0152	1

WPT SERIES PYROPEN TIPS, Suit WST2 Junior

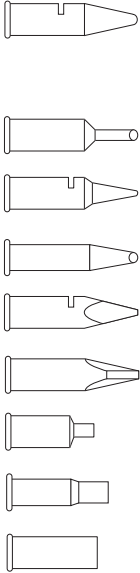


Description	Tip Size mm	Material No.	Shelf Pack
Tapered Needle	0.5	WPT15	1
Chisel	3.0	WPT16	1
Hot Blow	1.5	WHC54	1
Hot Blow	4.9	WHC55	1

Replacement Soldering Tips

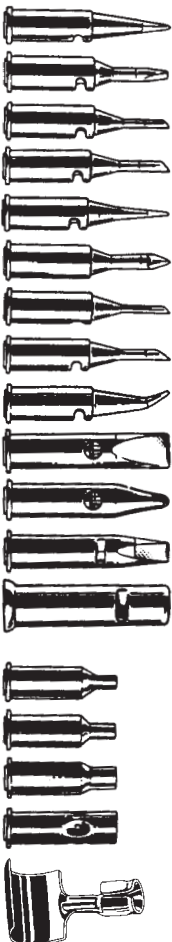
REPLACEMENT TIPS JUMBO PYROPEN WSTA5

Description	Tip Size mm	Material No.	Shelf Pack
Conical	3mm	720101AU	1
Chisel	10mm	720102	1
Spade	4mm	720103	1
Conical	2mm	720105	1
Spade	4mm	720106	1
Pyramid	2mm	720107AU	1
Flat	3mm	720113	1
Hot Blow	4mm	720151	1
Hot Blow	6mm	720152	1
Hot Blow	10mm	720153	1



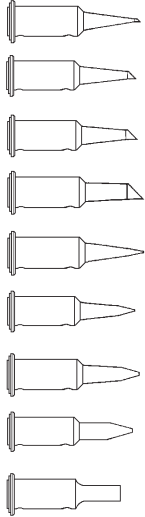
WPT SERIES PYROPEN TIPS, Suits WSTA3 and WPA2

Description	Tip Size mm	Material No.	Shelf Pack
Taper	-	WPT1	1
Chisel	2.0	WPT2	1
Spade	2.0	WPT3	1
Spade 45°	3.0	WPT4	1
Taper Needle	-	WPT5	1
Square Taper Pyramid	0.5	WPT7	1
Spade 35°	2.0	WPT8	1
Spade 35°	3.0	WPT9	1
Offset Tapered Needle	1.0	WPT10	1
Chisel	8.0	WPT11	1
Round Head Needle	3.0	WPT12	1
Long Tapered Needle	5.0	WPT13	1
Threaded Tip Base	-	WPT14	1
Hot Blow	2.5 ID	WHC50	1
Hot Blow	3.3 ID	WHC51	1
Hot Blow	4.9 ID	WHC52	1
Hot Blow	7.4 ID	WHC53	1
Heat Shrink Attachment Long		WAR54	1
Heat Shrink Attachment Small		WAR55	1



Replacement Soldering Tips

PSI SERIES PORTASOL TIPS Suit PSI-100 Irons



Description	Tip Size mm	Material No.	Shelf Pack
Single Flat	1.0	PSI1	1
Single Flat	2.4	PSI2	1
Single Flat	3.2	PSI3	1
Single Flat	4.8	PSI4	1
Single Flat	1.0	PSI5	1
Double Flat	2.4	PSI6	1
Double Flat	3.2	PSI7	1
Double Flat	4.8	PSI8	1
Hot Blow	-	PSI9	1
Hot Knife	-	PSI10	1

Replacement Desoldering Tips

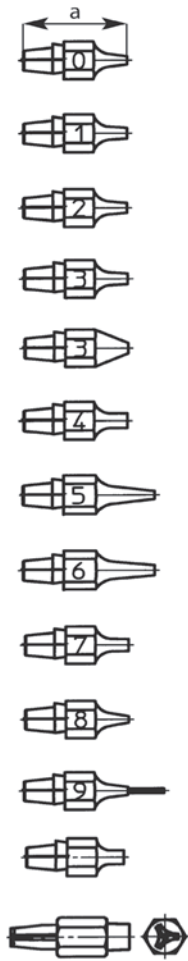
DS SERIES TIPPLETS Suit DS102, DS651, DS1201, DS1203A Tools and DS650 Station/DS80UNC/DSV80



Description	mm	Tip Size mm	mm	Material No.	Shelf Pack
DS103 Collector Tube Assy.				DS103	1
DS110	0.63	1.52	12.7	DS110	1
DS112	0.91	1.93	12.7	DS112	1
DS113	1.16	2.48	12.7	DS113	1
DS114	1.80	3.25	12.7	DS114	1
DS116	1.14	2.48	19.05	DS116	1
Metric					
DS117 Desoldering Tip	1.5	2.9	18	T0051355000	1
DS113 Desolder Tip Left	1.2	2.5	18	T0051351300	1
DS119	0.7	1.9	26	T0051352700	1

Replacement Desoldering Tips

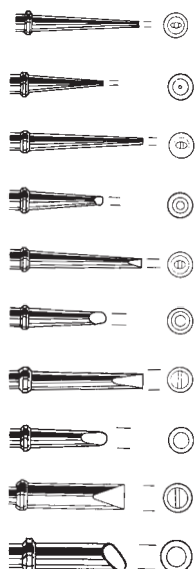
DSX SERIES CAM LOCK TIPS



Description	Outside Ø	Inside Ø	Length a	Material No.	Shelf Pack
DX110 NOZZLE	1.9	0.7	23	T0051314000	1
DX111 NOZZLE	2.5	0.7	23	T0051314100	1
DX112 NOZZLE	2.3	1.0	23	T0051314200	1
DX113 NOZZLE	2.5	1.2	23	T0051314300	1
DX113HM NOZZLE with improved thermal transfer	2.5	1.2	23	T0051315000	1
DX114 NOZZLE	3.3	1.8	23	T0051314400	1
DX115 NOZZLE	1.9	0.7	27	T0051314500	1
DX116 NOZZLE	2.7	1.2	27	T0051314600	1
DX117 NOZZLE	2.9	1.5	23	T0051314700	1
DX118 NOZZLE	1.5	0.7	23	T0051314800	1
DX119 Needle tiplet with non wettable stainless steel tube for removal of solder bridges in connection with hot air pencil	1.1	0.7	31	T0051315100	1
DX120 NOZZLE without inside tube for cleaning SMD pads	2.5	1.1	22	T0051315200	1
DX Cleaning Tool (Conus insert cleaning tool)				T0058706794	1
Nozzle Set DX110-DX115				T0051379099	1

Replacement Soldering Tips





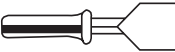
CT5 SERIES Suits W60D Soldering pencil






Description	Tip Size mm	Reach mm	Material No.			Shelf Pack
			600°F (315°C)	700°F (371°C)	800°F (427°C)	
Screwdriver	1.6	29.36		CT5A7	CT5A8	1
Spade	1.6	19.00	CT5AA6	CT5AA7	CT5AA8	1
Screwdriver	2.4	29.36			CT5B8	1
Spade	2.4	19.00	CT5BB6	CT5BB7		1
Screwdriver	3.2	29.36	CT5C6	CT5C7	CT5C8	1
Spade	3.2	19.00	CT5CC6	CT5CC7	CT5CC8	1
Screwdriver	4.8	29.36		CT5D7	CT5D8	1
Spade	4.8	19.00		CT5DD7	CT5DD8	1
Screwdriver	6.35	29.36		CT5E7		1
Spade	6.35	19.00		CT5EE7		1

Replacement Soldering Tips

CT6 SERIES Suits W100D Soldering pencils

Description	Tip Size mm	Reach mm	Material No.			Shelf Pack
			600°F (315°C)	700°F (371°C)	800°F (427°C)	
 Screwdriver	3.18	37.3	CT6C6	CT6C7	CT6C8	1
 Screwdriver	4.76	37.3	CT6D6	CT6D7		1
 Screwdriver	6.35	37.3	CT6E6	CT6E7	CT6E8	1
 Screwdriver	9.52	37.3	CT6F6	CT6F7	CT6F8	1
 Welding Mirror (50 x 40 x 4) teflon coated				T0051176799		

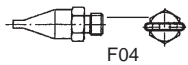
CT2 SERIES Suits W201 Soldering Iron

 Screwdriver (CT2E7, CT2E8)	7.0		-	T0054240799	T0054240899	1
 Screwdriver (CT2F6, CT2F7, CT2F8)	10.0		-	T0054241799	T0054241899	1
 Screwdriver (CT2G8)	11.0	425°		T0054242899		1

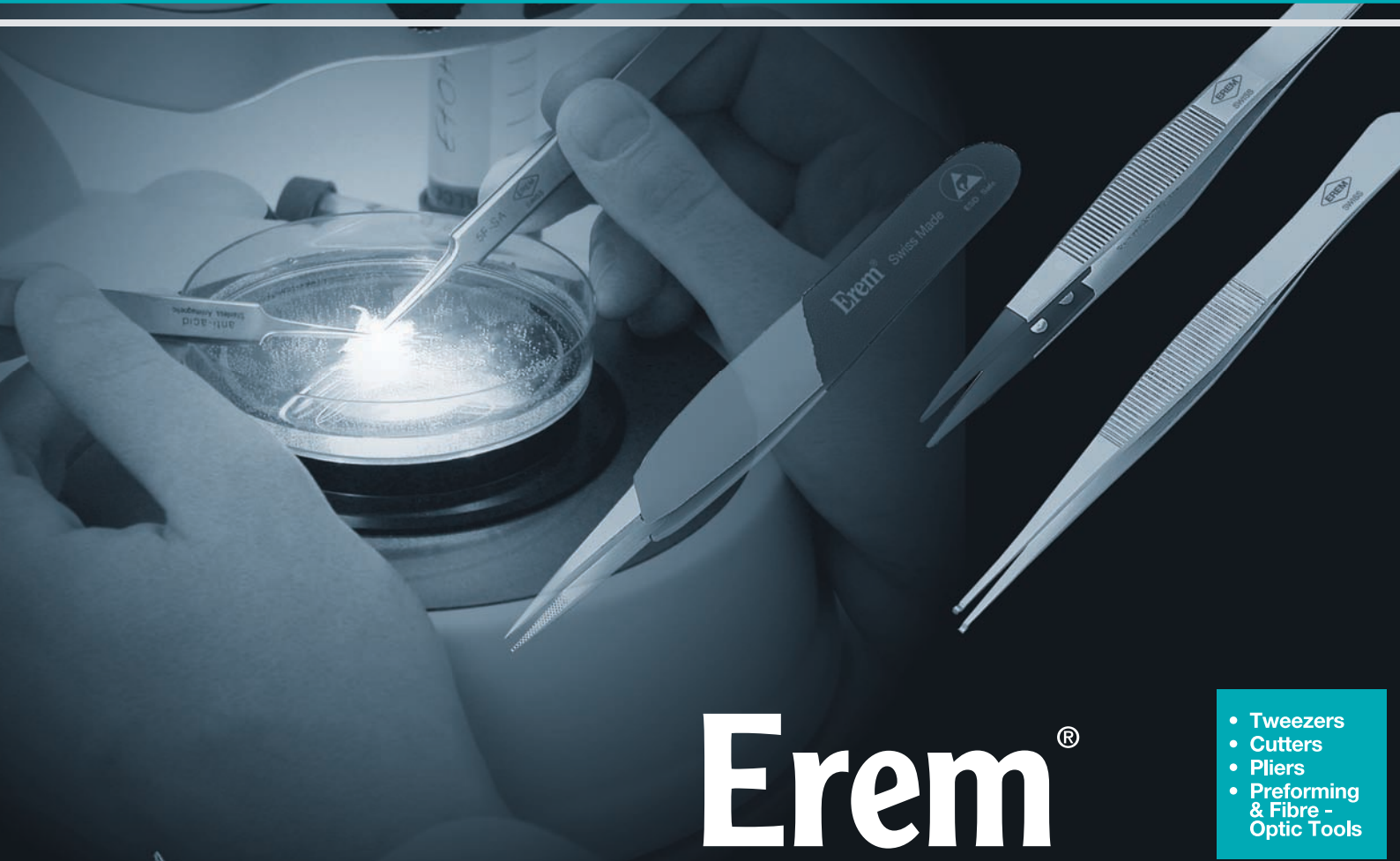
S.M.T. Soldering and Desoldering Accessories



HOT AIR NOZZLES FOR HAP1 Hot Air Pencil



Description			Material No.	Shelf Pack
F04	Flat Nozzle	10 x 1.5mm	T0058727773	1
F06	Flat Nozzle	12 x 1.5mm	T0058727772	1

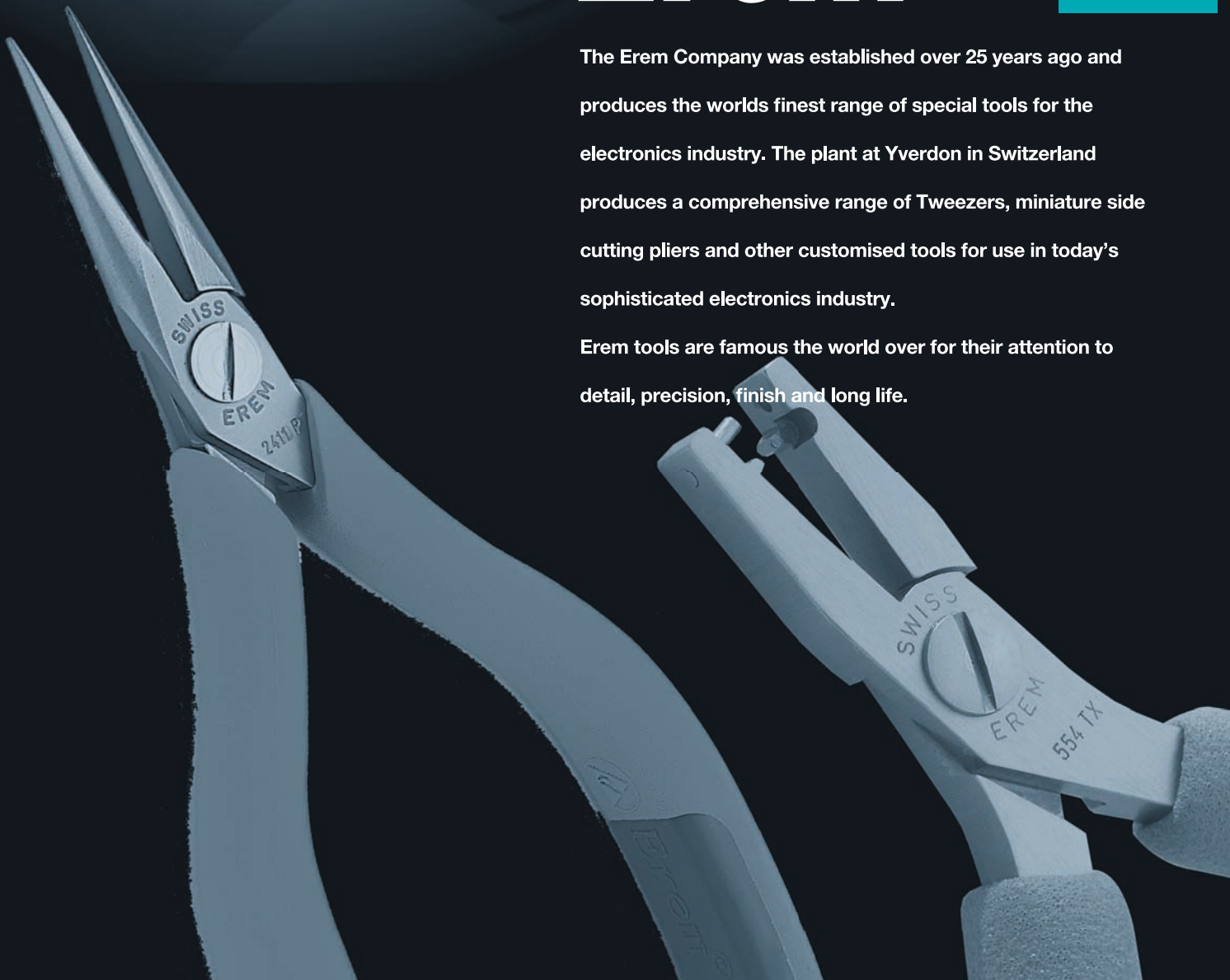


Erem®

- Tweezers
- Cutters
- Pliers
- Preforming & Fibre - Optic Tools

The Erem Company was established over 25 years ago and produces the worlds finest range of special tools for the electronics industry. The plant at Yverdon in Switzerland produces a comprehensive range of Tweezers, miniature side cutting pliers and other customised tools for use in today's sophisticated electronics industry.

Erem tools are famous the world over for their attention to detail, precision, finish and long life.



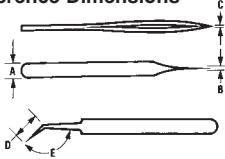
High Precision Tweezers

Erem Tweezers Introduction

The following pages show a selection of Erem high precision tweezers for the electronics industry. They are available in various shapes, finish, and materials such as:
Temperature resistant to 300°C.

Suffix	Material
S	Stainless Steel.
SA	Non-magnetic, anti-acid alloy.
N	Non-magnetic nickel-silver alloy.
TA	Non-magnetic titanium.
None	Tempered carbon steel.

Reference Dimensions



Erem Coatings

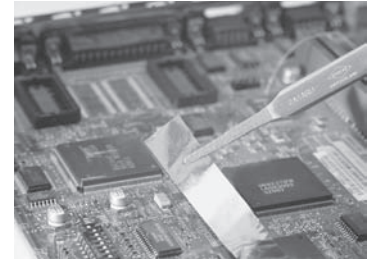
The exclusive Erem Pyroplast coating is available by special order on many models. This coating protects sensitive parts against temperature change.

Features and benefits:








- Twice the heat resistance of Teflon (500°C).
- The non-stick property of the Pyroplast coating results in no capillary effect on the tweezers tips while soldering.
- No contamination can be caused by either a positive or negative charge.
- Resistant to radiation.
- Coating thickness is 40 microns.

Typical applications for Erem high precision tweezers:




- Electronic assembly
- Component handling
- Soldering
- Wire and lead cutting
- Gripping
- Wafer handling
- Wire stripping
- Biomedical








Pointed Tips S straight

Description	Material No.	Shelf Pack
 <ul style="list-style-type: none"> • Precision micro tweezers • Stainless Steel • Serrated grips and inside serrated tips • Guide pin to avoid tip overlapping • 80mm, 6g 	20AS	1
 <ul style="list-style-type: none"> • Precision tweezers • Special Stainless Steel • Non-magnetic • Shorter tips than 3CS • 110mm, 11g <p>same as 3CSA but economy model</p>	3CSA	1
 <ul style="list-style-type: none"> • Precision tweezers • Special Stainless Steel • Non-magnetic • Flat inside tips, very resistant • 120mm, 14g 	3CSASL	1
 <ul style="list-style-type: none"> • Precision tweezers • Special Stainless Steel • Non-magnetic • 120mm, 16g 	OOSA	1
 <ul style="list-style-type: none"> • Precision tweezers • Special Stainless Steel • Non-magnetic • Medium round tips for gripping tip side 2mm • 120mm, 15g 	AASA	1
 <ul style="list-style-type: none"> • Precision tweezers • Non-magnetic • Medium round tips for gripping tip side 2mm • 120mm, 15g 	2ASA	1
 <ul style="list-style-type: none"> • Precision tweezers • Special Stainless Steel • Non-magnetic • Very narrow and long handles • Low tension • 140mm, 11g 	SSSA	1

Pointed Tips Straight Relieved

	Description	Material No.	Shelf Pack
	<ul style="list-style-type: none"> Precision tweezers, with very fine tips Special Stainless Steel Non-magnetic 115mm, 12g 	5SA	1
	<ul style="list-style-type: none"> Precision tweezers with synthetic (PPS) tips Special Stainless Steel Non-magnetic ESD safe Heat resistant up to 250°C 120mm, 15g 	258SA	1
	<ul style="list-style-type: none"> Precision tweezers with pointed synthetic (PPS) tips and serrated finger grips for secure handling Volume resistance 16 Ω/cm Heat resistant up to 250°C Resistant to acids and molten soldering tin. Water repellent 	249SA	1

Pointed Tips Bent





	<ul style="list-style-type: none"> Precision tweezers with fine tips Curved 40° Stainless Steel 110mm, 15g 	3CBS	1
	<ul style="list-style-type: none"> Precision tweezers with fine tips Oblique 15° Special Stainless Steel Non-magnetic 115mm, 12g <p>same as 5ASA but economy model</p>	5ASA	1
	<ul style="list-style-type: none"> Precision tweezers with fine tips Curved Special Stainless Steel Non-magnetic, relieved 120mm, 15g <p>same as 7SA but economy model</p>	5ASASL	1
	<ul style="list-style-type: none"> Precision tweezers bent 40° Alignment pin Serrated grips and inside serrated tips Special Stainless Steel Non-magnetic 150mm, 22g 	7SA	1
	<ul style="list-style-type: none"> Precision tweezers bent 50° with fibre-grip handles Reverse action Special Stainless Steel Non-magnetic 150mm, 26g 	7SASL	1
		24SA	1
		30SA	1

Cutting Tweezers

	<ul style="list-style-type: none"> Cutting tweezers Carbon steel Blade 9,5mm 115mm, 26g 	15AGW	1
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CUTTERS SERIES 600 MICRO - HIGH GRADE TOOL STEEL, ESD SAFE, RESHARPENABLE

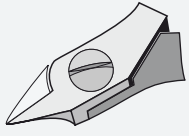

Miniature cutters for extremely fine electronics offering improved access into confined areas.

	Micro	Medium	Maxi
			
	Series 600	Series 2400 MagicSense	Series 500
Width a	9,0 mm	11,0 mm	13,5 mm
Thickness b	6,0 mm	6,0 mm	7,5 mm

Tip Cutters - tapered and relieved head


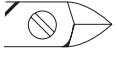


Fine cutter head. One side is cut away for access even in confined areas



Description	Material No.	Shelf Pack
		
Side cutter super full flush cut, miniature side cutter, super fine relieved head, allows very good access, medium hard wire 0,6 mm, Cu 0,8 mm 110mm, 48g	776E	1
		

CUTTERS SERIES 2400 MAGICSENSE - HIGH GRADE TOOL STEEL, ESD SAFE, RESHARPENABLE

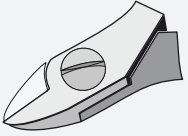

Medium size. Combines robustness, view and accessibility. The series 2400 MagicSense offers optimal ergonomic shape and very high hardness grade.

	Micro	Medium	Maxi
			
	Series 600	Series 2400 MagicSense	Series 500
Width a	9,0 mm	11,0 mm	13,5 mm
Thickness b	6,0 mm	6,0 mm	7,5 mm

Side Cutters - oval head


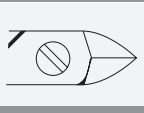
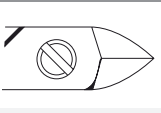
The most common cutting head for standard cutting applications. The robust cutting head allows high cutting capability.



Description	Material No.	Shelf Pack
		
Super full flush cut, razor blades cut medium hard wire 0,8 mm, Cu 1,6 mm, 130mm	2432E	1
		

CUTTERS SERIES 500 MEDIUM - HIGH GRADE TOOL STEEL, ESD SAFE, RESHARPENABLE



Medium size. Combines robustness, view and accessibility. Big variety of cutting heads for precise cutting in dense working areas.

	Micro		Medium	Maxi
				
	Series 600	New	Series 500	Series 800
Width a	9,0 mm	Series 2400 MagicSense	11,0 mm	13,5 mm
Thickness b	6,0 mm	11,0 mm	6,5 mm	7,5 mm

Side Cutters - oval head

The most common cutting head for standard cutting applications. The robust cutting head allows high cutting capability.



Description	Material No.	Shelf Pack
Side cutter semi flush cut, economical line, robust, for general cutting applications and precise working, high cutting capability, medium hard wire 1,0 mm, hard wire 0,5 mm, Cu 1,6 mm, 115mm, 67g	512N 	1
Side cutter flush cut, economical line, robust, for general cutting applications and precise working, high cutting capability, medium hard wire 1,0 mm, Cu 1,6 mm, 115mm, 67g	522N 	1

Tip Cutters - angled, narrow head

Angled head for precision, reach and operator visibility.



Tip cutter flush cut 40°, relieved jaws for easier access, medium hard wire 0,6 mm, Cu 1,3 mm, 115mm, 68g	572E 	1
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CUTTERS TUNGSTEN HARD METAL CUTTERS - HIGH GRADE TOOL STEEL, ESD SAFE, RESHARPENABLE

High grade tool steel, Tungsten Carbide blades, for constant load. High precision side cutter for stainless and hard wires like Nickel plated wire and cored-wire electrode. Piano until 60 HRc.

Side Cutters - oval head

The most common cutting head for standard cutting applications. The robust cutting head allows high cutting capability.




Description	Material No.	Shelf Pack
Semi flush cut, robust side cutter, Tungsten Carbide blades, for standard cutting applications, high cutting capability, piano wire 0,6 mm, medium hard wire 1,0 mm, hard wire 0,8 mm, Cu 1,5 mm, 115mm, 67g	599T 	1

Side Cutters - tapered head

Small tapered head for cutting application in dense working areas.



Side cutter semi flush cut, Tungsten Carbide blades, piano wire 0,4 mm, medium hard wire 0,8 mm, hard wire 0,6 mm, Cu 1,5 mm, 115mm, 67g	595T 	1
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Pliers

Pliers for miniature and standard electronics
Special tool steel, non-reflecting surface, ESD-safe
High grade tool steel



Round nose pliers, with smooth jaws, very precise,
 120mm, 67g

543E

1



Needle nose plier, with smooth rounded jaws, very precise,
 suitable for forming, bending, laying and feeding in wires
 120mm, 67g

547

1



Flat nose plier, with smooth jaws,
 precise radiused edges,
 120mm, 67g

542E

1



Pliers Series 2400 MagicSense

Pliers for miniature and standard electronics
Optimized ergonomically shaped handles for increased comfort
Special tool steel, non-reflecting surface, ESD-safe



Needle nose pliers with smooth rounded jaws.
 very precise,
 146mm

2411P

1



Flat nose pliers with smooth jaws,
 precise radiused edges,
 146mm

2442P

1



EROP Pliers



Needle nose plier, burnished, ESD safe,
 140mm, 90g

EROP277

1

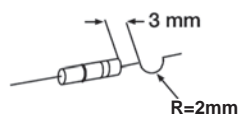


Forming Tools

Safe bending, forming and preparation of component connections
High grade tool steel
Non-reflecting surface
ESD-safe



Suitable for component connections,
 U-shape
 120mm, 70g

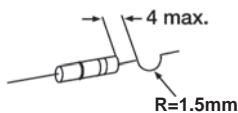


554E

1



Suitable for connections,
 U-shape, axial forming
 Narrow head shape



554A

1

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CERTIFICATE OF REGISTRATION

This is to certify that:

APEX Tool Group

ABN 50 002 965 826

519 Nurgong Street Albury NSW 2640 AUSTRALIA

operates a

QUALITY MANAGEMENT SYSTEM

which complies with the requirements of

ISO 9001:2008

for the following scope

The manufacture and distribution of premium hand and power tools for the hardware, electronic, industrial and assembly markets throughout Asia Pacific.

Certificate No: QEC0166

Issued: 17 October 2013
Expires: 8 March 2017

Originally Certified: 8 March 1996
Current Certification: 16 October 2013

Samer Chaouk
Head of Policy, Risk and Certification

Paul Butcher
Global Head – Assurance Services



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QUALITY POLICY STATEMENT

Management at Apex Tool Group recognises quality is paramount to its continuing commitment to customer satisfaction. Apex Tool Group is proud of its reputation as a vertically integrated Manufacturer and Distributor of Quality Products, including tools and hardware. Apex Tool Group aligns its corporate goals of maximizing customer service through a commitment to providing quality products and technical backup, with an assurance to the end user that its products will perform to their designed application, will continue to function for a reasonable period and will represent fair value.

It is Apex Tool Group's objective, that when the name Apex Tool Group is attached to one of its products, its customers can expect a high level of quality and after sales service, which is recognized as the standard in the industry.

Apex Tool Group's strategy of continuous improvement will enable it to achieve this objective and provide its customers with the 'best value delivered' the same time every time.

Apex Tool Group will review and adhere to documented procedures and standards and will ensure the integrity of its systems by maintaining accreditation to the International Quality Management Systems Standard ISO 9001:2008.

Apex Tool Group management and all its employees are committed to this policy.

Weller... World's No. 1 In Soldering



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