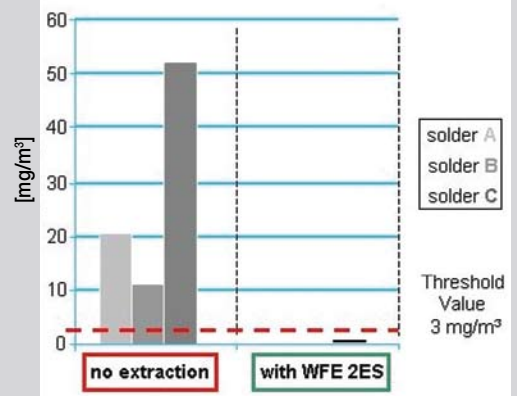




Results of Measurements

Particulate Matter in Solder-Workplace Air



Exceeding of Threshold without Fume Extraction

Lead-free

- A Sn99,3 Cu0,7 Flm2,5%
- B Sn99,3 Cu0,7 Flm2,2%
- C Sn99,3 Cu0,7 Flm3,5%

New for 2008: Weller Volume Fume Extraction System WFE2ESKit

Recent testing conclusively proved that soldering with lead-free alloys creates a level of breathable air-borne pollutants which exceeds the safety threshold set for work places.

There is a solution for use in applications where volume extraction is the most suitable option e.g. solder baths, hot air soldering, micro soldering and gluing work.

Key features of the WFE2ESKit:

- The WFE2ESKit guarantees a filtration efficiency of 99.5%. The compact filter system housed inside is made of a F5-class fine dust filter and a Puratex compact H12 Filter (with active carbon section) ensuring an efficient and reliable extraction function.
- The powerful brush-less and maintenance free turbine (1800 Pascal) extracts at a volume capacity of 220m³/h resulting in fast and effective removal of pollution from the air.
- The increased levels of air-borne pollutants produced at the work place by lead free soldering are safely and easily removed by the WFE2ESKit.
- Low noise emission: less than 55 dBA.
- Our wide range of accessories gives users a high degree of operational flexibility. Additionally there is no need for specialist on-site installation and combined with the low cash outlay this makes the WFE2ESKit a highly efficient and cost effective fume extraction system for up to two work places.

The WFE2ESKit improves the soldering process by capturing the particles and pollutants produced and providing the operator with a comfortable, clean and safe working environment.

The WFE2ESKit is now available.

Technical Data WFE2ESKit:

- Voltage 230V/50Hz
- Dimensions 320 x 320 x 395mm (LxWxH)
- Noise level 52db (A) at 1m distance
- Max. pressure 1800Pa
- Max. airflow 220m³/h
- Max. capacity 2 work places
- Filter Fine dust filter F5
- HEPA filter H12 (99.5% against particle ca. 0.3 µm) combined with wide gas filter (active carbonate foam)

WFE2ESKIT 230V consists of:

- WFE2ES 230V fume extraction unit
- WFAF50 extraction arm, 1m
- Extraction hose 50mm, 3m
- WFTB 50 bench mounting bracket with damper for extraction arm
- WFFMP 50 adaptor
- Hose clamp 50 – 70mm (2 pcs.)

Weller[®]
Erem[®]
Xcelite[®]

Weller News
Autumn 08

COOPER Hand Tools

Weller Fume Extraction Special Bonus

For a limited time, with the purchase of every Weller WFE2ESKit Fume Extraction Kit, we will also include a Bonus Extraction Arm Kit.

This kit includes:

- WFAF50 extraction arm, 1m
- Extraction hose 50mm, 3m
- WFTB 50 Bench Mounting Bracket with damper for extraction arm
- WFFMP 50 adaptor
- Hose Clamp 50 – 70mm (2 pcs.)

This bonus Extraction Arm Kit will allow you to transform the WFE2ES into a 2 port Fume Extraction Unit. That is an incredible \$395 bonus!

Check with your preferred Electronic Distributor for details, however be quick, as this promotion ends on June 30th, 2008.



National Manufacturing Week

27th - 30th May 2008



This year the Manufacturing Technology In Focus Expo is now part of the National Manufacturing Week.

The Show is the largest in Australia and encompasses AiEE, Air Technology Expo, Austech, Austronics, Automate, CIMWorld, Electrix, FluidX, Health & Safety, Instrumentation & Control, LMHO and WeldTech.

This year we will not be having our own stand but will instead be supporting three of our distributors who will be present at National Manufacturing Week.

You will find Weller products and our expert advice at the following stands:

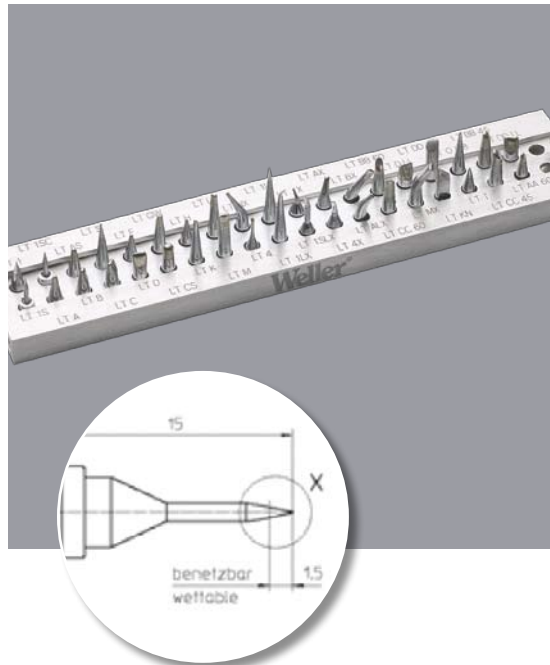
- Bondline Static Control (Stand 1907)
- Farnell (Stand 2016)
- RS Components (Stand 2109)

WIN Members visiting National Manufacturing Week

If you are a WIN Member visit us at the show, present your Membership Key Ring at any of the above stands to receive your Special Show Gift.

Not a Member, have you purchased a Weller Soldering Station Recently? Fill in the WIN Membership form and fax it to 1800 021 940 to become a WIN Member.

Soldering Tips



Why you should use only original Weller soldering tips

- The high quality of our soldering tips is the result of intensive research and design programmes within Weller, supported by expert collaboration with a number of renowned universities and research laboratories.
- Weller soldering tips are produced in accordance with the stringent quality requirements laid out in our ISO 9001 procedures. This guarantees our global deliveries are consistent and of the highest product quality.
- An optimised, precision, manufacturing process ensures the user the best cost to benefit ratio.
- Weller can offer the best tip profile and plating combination for every user specified requirement.
- Weller soldering tips are the perfect match for Weller soldering tools and eliminate risk of damage to the heating element or the soldering iron caused by incorrect tolerances or sizing.

More than 40 standard LT soldering tip versions available.

Improve the performance of your soldering station by utilising the excellent heat recovery capability of the Weller LT tips for your soldering applications. The LT range has been designed for long life capability in a lead free soldering environment. These soldering tips are manufactured using high technology, complex processes but which are also environmentally safe. Select the right tip for you from our wide range of over 40 standard models (additionally a large number of customised tip forms are available).

Micro chisel profile tips – the most popular choice from our range.

Micro profile chisel tips are the most popular choice for users with micro soldering applications. Soldering results are improved significantly with these tips because the increased surface area of the tip, compared to a needle shaped tip, allows molten solder to tin the tip more evenly. A needle tip tends to hold the molten solder as a drop at the end of the tip. Also the micro chisel tip gives much better heat transfer.

The following Micro Chisel Tips are available:
 LT tips for WSP80 and WP80 Soldering Irons:

- LT 1SC micro chisel, single bag

RT tips for WMRP Micro Soldering Iron:

- RT 1SC micro chisel

NT tips for WMP Mini Soldering Iron:

- NT 1SC micro chisel

Expanded WMRT & WMRP range!

New versions of our successful WMRP Micro Soldering Iron and WMRT Micro Tweezers are now available for use on applications, which must comply with MIL standard.

WMRP MIL soldering iron hand-piece (00529192 99) for which the following special soldering tips are available:

- RT 1MIL needle tip (0054461499)
- RT 1SCMIL chisel tip 0.4mm x 0.15mm (00544 61599)
- RT 3MIL chisel tip 1.3mm x 0.4mm (00544616 99)

WMRT MIL micro desoldering tweezer handpiece (0051317599) for which the following special tweezers sets are available:

- RTW 1MIL tip set Ø 0.4mm, 45° (00544655 99)

New Tip Cleaning Set (T0051512499)

The regular use of this new cleaning set will prolong the lifetime of your soldering tips significantly. When using lead free solder increased oxidation in the wetttable area of the tip will be experienced. If these oxides are not removed regularly the tip will eventually become unwettable and therefore useless. Cleaning a tip with a wet sponge will, when used in conjunction with lead free solder, accelerate the oxidation process and will also increase the risk of damage to the tip plating due to thermal shock. The use of the WDC Dry Cleaner for standard cleaning of the tips will help significantly to eliminate these problems.

Where oxidation has already occurred the Tip Activator should be used to recreate the tip's wetting surface. The Tip Activator contains no halides, lead, rosin or residue and works easily at low temperature.

Use the WPB1 Polishing Bar to remove compacted oxide films.



Now Available from Weller

WQB 4000SOPS – the new generation of Weller BGA & QFP repair systems

Technical data WQB 4000SOPS

Dimensions (LxWxH):

appx. 630 x 630 x 650mm

Dynamic dimensions:

appx. 1030 x 630 x 650mm

Power supply voltage: 230V, 50/60Hz

Mains fuse: T10A

Power: 2300W

Top heater: 700W

Bottom heater:

large 1600 W (260 x 260)mm

small 400 W (120 x 120)mm

Compressed-air supply: 400 – 600kPa

purified, dry compressed air

Compressed-air converter:

vacuum 60kPa

Temperature control:

infinitely variable 50°C – 400°C

Flow control:

infinitely variable 5 – 50 l/min.

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

Total weight: appx. 40kg



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

The system was engineered to bring together a finely tuned balance of automated technology, for component pick-up and positioning, with a semi-automated rework cycle – opening up new possibilities and applications in repair and rework. Well considered detail, high-precision results and an out-standing price-performance ratio promise to make this new system from Weller the first choice among discerning users. As on-board components become increasingly complex, Weller continues to lead the field with innovative, user-friendly repair and assembly tools that enable users to successfully take on increasingly demanding rework challenges.

The new WQB 4000SOPS, the third generation of the Weller BGA/SMT repair system, is engineered to meet the exceptional demands placed on modern rework tools and is designed to deliver real value for your investment. It is a comprehensive, user-friendly system for the removal and soldering of BGA components, without the risk of thermal damage to the component or circuit board.

Weller Review

WR3000M Repair System



The versatile repair station is specifically tailored to the needs and requirements of professional repairs of state-of-the-art electronic sub-assemblies in industrial production, engineering and in the repair and laboratory fields.

Exclusive features of the WR3000M:

- Three independent tool channels with automatic tool detection guarantee the simultaneous operation of three soldering tools.
- Precise temperature control performance at the soldering tip is guaranteed by the digital control technology together with superior-quality sensor and heat-transfer technology.
- High-speed measured-value acquisition provides for maximum temperature precision and optimum dynamic temperature performance in load situations.
- Large LCD-display allows clear information and ease of use.
- Further advantages for the user are the USB port and the vacuum channel for pick-up. Innovative special functions such as automatic channel changing upon tool insertion, temperature pre-selection buttons for each channel, factory calibration check guarantee high operation simplicity.

Consists of:

- 200W HAP200 hot air pencil
- 80W WP80 soldering iron
- 80W DSX80 desoldering iron
- plus the vacuum pencil WVP including suitable safety rests for all components.

Weller News

On the Road with Weller

Weller is often on the road, doing demonstrations, awarding prizes for Soldering Excellence, taking part in Golf Days and events, holding Road Shows and attending Expos.

Below are some images taken on-the-road with Weller events.



With Rebecca (Farnell) at the 2007 MTiF Show.



With Daniela (Weller Germany) at Productronica 2007



Presenting Excellence In PCB Design & Construction Winner, Bryn Smith, La Trobe University Hooper Award Winner



Weller sponsors drinks kart at Distributor Golf Day

Weller Road Show



5 days, 5 venues, 7,500km, over 200 attendees and 2 tired presenters! That was last years inaugural Australian Weller Road Show.

And we're about to do it all again!

You will all soon receive an invitation to the 2nd Australian/New Zealand Weller Road Show. This year we will be visiting all Australian States as well as tripping across the Tasman to New Zealand. The Road Show will take place over a couple of months and in most locations will have at least two sessions!

The focus of this years Road Show will be the new Split Optic BGA/QFP Repair & Rework System, the WQB4000SOPS, as well as a number of other new products that are being released later this year.

Take up this opportunity and quickly respond to the invitations. We look forward to seeing you all at the 2nd Weller Road Show!

Weller Competition

This one is an easy one!

Q. Name one of the Micro Chisel Tips that are available for the WSP80/WP80 Soldering Pencil.

First correct entry drawn will win a fabulous prize package worth over \$200!

So don't delay, get your entries in NOW!

Send your answer, along with your contact details by email to: cristian.ruhr@coopertools.com.au

Entries close June 30th, 2008. The winner will be notified by email and their name published in the next Weller News.

Mystery
Prize
valued at
\$200



WIN Membership

Are you a WIN Member? If not, why not? If you have recently purchased a Weller Soldering Station, Multipurpose or Hot Air Station you should have seen the WIN Membership form located in the packaging.

Please fill it in and fax it through.

If you didn't receive a membership form, or you already have a Weller Station, and would like to be a WIN Member, complete the form below and fax us at: 1800 021 940

All new members receive a Membership Key Ring (which you will need to prove membership).

WIN Members have access to special competitions, discounted products and special offers.



WELLER INCENTIVE NETWORK

As a **WIN Member** you will receive the Weller News several times a year, as well as the opportunity to be eligible for special product releases and competitions only open to **WIN Members**. Complete this registration form today and we will send you the current issue of Weller News along with a **FREE GIFT**.

Fax: (Aust) 1800 021 940 or (Intl) +61 2 6021 7403

Mail: WIN Membership. Cooper Hand Tools, PO Box 366, Albury, NSW 2640

PRODUCT DETAILS

Product Purchased

- | | | | |
|---------------------------------|--------------------------------------|----------------------------------|----------------------------------|
| <input type="checkbox"/> WTCPTD | <input type="checkbox"/> WES51D | <input type="checkbox"/> WESD51D | <input type="checkbox"/> WD1000 |
| <input type="checkbox"/> WD1001 | <input type="checkbox"/> WD2000 | <input type="checkbox"/> WD1000M | <input type="checkbox"/> WD2000M |
| <input type="checkbox"/> WMD1D | <input type="checkbox"/> WMD3 | <input type="checkbox"/> WSD151 | <input type="checkbox"/> WHA300 |
| <input type="checkbox"/> WFEP2 | <input type="checkbox"/> Other _____ | | |

Product Serial Number Date of Purchase Place of Purchase

--	--	--

PRODUCT USAGE

- | | | | |
|---------------------------------|--------------------------------------|-------------------------------------|---------------------------------|
| <input type="checkbox"/> Manf. | <input type="checkbox"/> R&D | <input type="checkbox"/> Recreation | <input type="checkbox"/> Repair |
| <input type="checkbox"/> Rework | <input type="checkbox"/> Other _____ | | |

CUSTOMER DETAILS (*Required)

Title* Mr Mrs Ms Miss Dr

Name* _____ Job Title* _____

Company* _____

Street* _____

Suburb* _____ State* _____ P/Code* _____

Country* _____ Mobile* _____

Phone* _____ Fax* _____

E-Mail* _____

INDUSTRY / ACTIVITY

- | | | |
|-----------------------------------|--------------------------------------|-------------------------------------|
| <input type="checkbox"/> Aviation | <input type="checkbox"/> Defence | <input type="checkbox"/> Govt. |
| <input type="checkbox"/> Const. | <input type="checkbox"/> Manf. | <input type="checkbox"/> Medical |
| <input type="checkbox"/> Mining | <input type="checkbox"/> Repair | <input type="checkbox"/> Recreation |
| <input type="checkbox"/> Research | <input type="checkbox"/> Other _____ | |

OTHER PRODUCT INTEREST

- | | | |
|---|--|---|
| <input type="checkbox"/> Desoldering | <input type="checkbox"/> Fume Extraction | <input type="checkbox"/> Pliers/Cutters |
| <input type="checkbox"/> Repair/Rework | <input type="checkbox"/> Soldering | <input type="checkbox"/> Tweezers |
| <input type="checkbox"/> General Hand Tools | <input type="checkbox"/> Electronic Hand Tools | <input type="checkbox"/> Hand Tools |
| <input type="checkbox"/> Other _____ | | |

All Articles
Cristian Ruhr

Editor
Donna Mack

CONTACT
Cristian Ruhr
National Electronics Account Manager
Mobile: 0419 289 557
Email: cristian.ruhr@coopertools.com.au