

## Special Interest Articles:

- Zestron now stocked in Canada
- Message from Loctite
- Metcal's new soldering station
- Everything you wanted to know about bar solder
- February Specials

## Adtool Now Stocks Zestron Chemistries

Beginning this year, Adtool is now stocking the most popular Zestron products.

The popularity of these friendly chemistries has taken off in leaps and bounds!

However, we were asked by our customers to provide Canadian stocking as a service to reduce their costs in purchasing the products. By having stock at Adtool, customers will be able to place orders with a multitude of other products available at Adtool.

### Zestron General Applications:

#### RC101:

- Reflow oven cleaner
- Wave finger cleaner
- General pcb defluxing



#### SC200:

- Stencil cleaning solution
- Understencil wiping solution
- Misprint cleaning solution
- Chipbonder cleaning solution

A200 for removal of fluxes in batch & inline cleaners

#### Flux Test Kits

EFM aerosol flux remover

#### Defoamer

And a multitude of other products...

## Henkel Loctite's New Lead Free Paste

### PRODUCT DESCRIPTION

Multicore™ LF318 solder paste is a halide-free, no clean, pin testable Pb-free solder paste, which has excellent humidity resistance and a broad process window, both for reflow and printing. LF318 solder paste offers a high tack force to resist component movement during high speed placement, long printer abandon times and excellent solderability over a wide range of reflow profiles in air and nitrogen and across a wide range of surface finishes including Ni/Au, Immersion Sn, Immersion Ag and OSP Copper.



### FEATURES AND BENEFITS

- Outstanding humidity resistance – gives excellent coalescence even after 72 hours exposure to 27°C/80% RH, thus reducing process variation due to environmental factors
- Colourless residues for easy post-reflow inspection
- Soft non-stick pin testable residues allow easy in-circuit testing
- Suitable for fine pitch, high speed printing up to 150mm/s (6"/s)
- Extended open time & tack-life leading to low wastage.
- Halide free flux classification: ROL0 to ANSI/J-STD-004

Contact us for further details and specifications



### **The Second Technology Shift In Hand Soldering**

Driven by today's technologies and economic demands, Metcal's new PS-800 Soldering System represents the most significant development in hand soldering since Metcal first introduced SmartHeat® technology (fixed temperature/variable power control) in the 1980's. The PS-800 Soldering System revolutionizes hand soldering by combining the power and superior process control advantages of SmartHeat®, with the system quality and innovative design of Metcal irons.

Designed to be the perfect, compact soldering system for repetitive manual assembly and touch-up, the PS-800 Soldering System incorporates an innovative, compact power supply that fits on or under the bench. In addition, the PS-800 Soldering System requires no calibration.

### **Minimal Cost Of Ownership**

The PS-800 Soldering System employs replaceable heater tips rather than cartridges, making cost of ownership extremely competitive. The unique two-piece design separates the heater coil from the tip. The long-life heater coil remains in the handle, while replaceable tips are easily removed and replaced. Most importantly, the cost of the heater tips is comparable to that of conventional tips.

Metcal has developed 33 soldering tip geometries for the PS-800 Soldering System, each available in a variety of temperature ranges. Plus, enhancements to SmartHeat® technology have allowed us to increase the plating thickness of the tips. The result is extended tip life without reducing thermal performance.

### **Perfect For Lead-Free Hand Soldering**

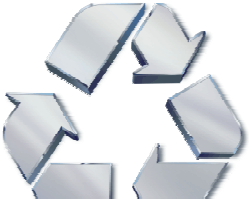
The most important technical challenge of lead-free hand soldering is being able to solder heat sensitive components at 215-220 °C, without causing damage. This requires a soldering system that can deliver high levels of accuracy to a traceable standard.

Metcal's PS-800 Soldering System is perfect for lead-free hand soldering. As SmartHeat® maintains a constant tip temperature it allows the higher temperature requirements of lead-free alloys to be met without increasing the tip temperature. Thus, the risk of thermal damage is eliminated.

The PS-800 Soldering System allows operators to produce high quality product quickly, easily and safely. It is a reliable, hassle-free production tool that can be used to solder lead-free PCBs immediately without needing to be continually re-calibrated to meet the higher temperature requirements.

## Everything you wanted to know about bar solder but were afraid to ask...

The most often asked question when we meet customers is: Is my scrap hazardous waste or not? Well, please find a brief definition of the different items you get from your wave solder.



### SOLDER DROSS AND OXIDE - HAZARDOUS

*Oxidized solder that is skimmed from the top of molten solder*

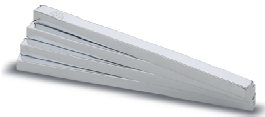
### SOLDER SOLID (pot dump) - NON HAZARDOUS

*Solder in a solid state containing no oxides or powders*

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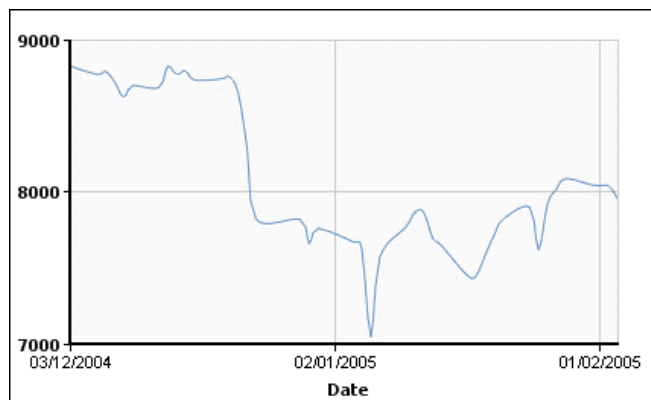
“When dealing with dross removal, please ensure that the company has the proper permits”

No matter where in North America you are located, P. Kay Metal can handle all of your solder recycling needs. Most states and provinces consider solder dross and oxides to be hazardous waste. P. Kay Metal is licensed and permitted by the State of California to transport, receive, store and recycle these types of materials. As a licensed TSD (Treatment, Storage and Disposal Facility), P. Kay Metal assures that your materials will be packaged, labelled, manifested, transported and recycled in accordance with all local, state and federal regulations. .



Puretronix bar solder meets and exceeds specifications established in ASTM B32, ANSI/J-STD-006 (formerly QQS-571F), and JIS Z3282. Extruded from high purity metal under stringent quality control procedures, Puretronix bar solder is a homogenous bar exhibiting minimal oxide levels. Less dross, fewer bridges, and more reliable solder joints mean increased production efficiencies and improved return on your solder investment

Price of tin where on the down side for the last 60 days, but expert are predicting a raise again for the months to come, this should result in a \$ 0.30 to \$ 0.50 / Lb increase. There are a lot of things that could prevent this from happening, so I suggest buying metal for your needs is the best approached, as you are not in the Tin Gambling business.



# Winter Deals for the Month of Feb – Mar '05



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Montreal, QC  
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Toll Free:  
1-800-361-6727

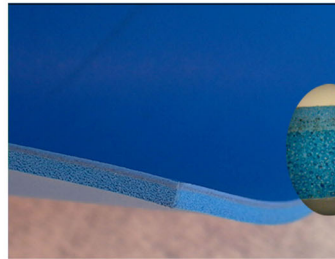
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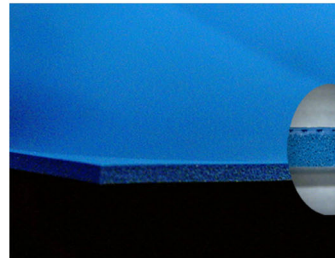
## Static Solutions



### *Premium BRD Static dissipative Table Mat*

*Three layer construction  
Durable vinyl top layer is flux resistant  
Protection to non-sloughing core  
Vinyl foam backing provides additional cushioning*

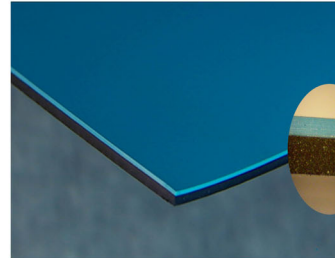
**\$3.75 sq ft Cdn**



### *Economy BRD Static Dissipative Table Mat*

*Three layer construction  
Softer vinyl top layer  
Vinyl foam backing provides additional cushioning*

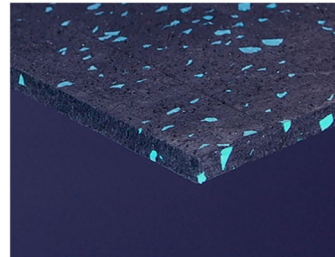
**\$2.75 ft sq Cdn**



### *SCR Static Dissipative Table Mat*

*Resists scrapes, scratches & discoloration  
Withstands contact with soldering irons & solder splashes  
Does not curl or delaminate*

**\$5.20 ft sq Cdn**



***FTM Anti-fatigue  
floor mat***  
**\$5.25 ft sq Cdn**

***Never-Wear  
Static dissipative  
floor runner***  
**\$9.25 ft sq Cdn**  
*Made from recycled tires*



*Snaps included*

*Cut to size the same day!*

For further information on any of our products, please do not hesitate to contact us.

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*Loctite / Multicore – Bar Solder - Leica Microscopes - Metcal - Static Control - Fancort – Linstron –  
JBC Soldering stations - Complete Screen Printer & ESD Solutions - BGA Rework & Inspection*