

POWELL INDUSTRIES INC.

LEAD FREE

FIXTURES

Facts & Features of SN100C Alloy

- Does not contain silver or bismuth.
- Eutectic alloy.
- Bridge-free and icicle-free soldering.
- Smooth, bright, well-formed fillets, free of gross micro-cracks.
- Good through-hole penetration.
- Good topside fillet formation.
- Dross rate equal or lower than tin-lead.
- Does not require a nitrogen atmosphere.
- Does not erode copper from holes, pads and tracks.
- Low rate of copper leaching makes it easy to control the copper content of the solder bath.
- Lower aggressiveness to stainless steel and other solder pot materials as compared to tinsilver-copper alloys.
- Thermal fatigue resistance and creep strength better than tin-lead.
- Slow, even growth of the intermetallic layer at the solder/substrate interface.
- Also performs well in selective and dip soldering.



QUALITY PRE-OWNED CAPITAL EQUIPMENT

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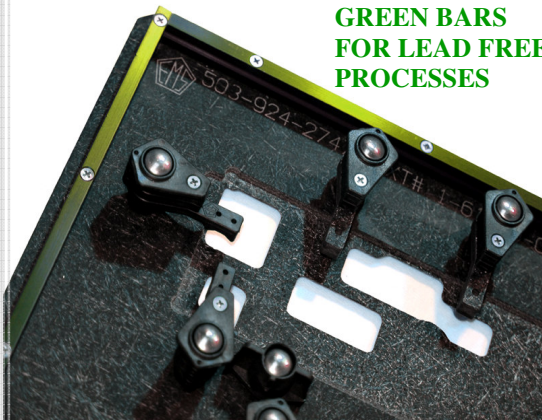
- Auto Insertion
- Complete Lines
- Feeders
- Glue Dispensers
- Inspection
- Lead Forming
- PCB Routers
- PCB Test
- PCB Wash & Cleaners
- Peripheral Equipment
- Pick & Place
- Reflow Ovens
- Rework Stations
- Wave Solder Machines



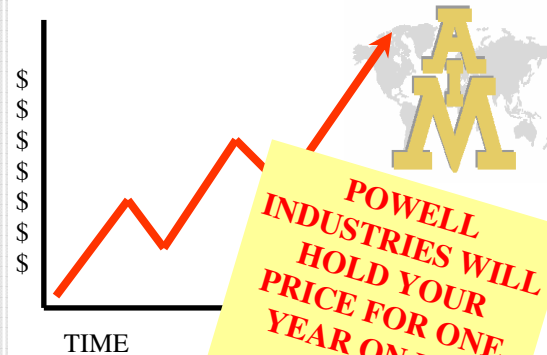
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"Fixtures & Tooling For Electronic Manufacturing"

Pentagon is a supplier of fixturing and tooling, supporting the printed circuit board assembly industry. With over 40 years of combined experience, see why the largest contract manufacturers in the world utilize our services to meet these needs.

FIXTURES WITH GREEN BARS FOR LEAD FREE PROCESSES



Tired of rising solder prices?



POWELL INDUSTRIES WILL HOLD YOUR PRICE FOR ONE YEAR ON BAR SOLDER! THIS INCLUDES SN100C AND SAC305 ALLOYS



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EQUIPMENT METALS