

CHIP QUIK® , INC. PRESENTS THE SOLDER / DESOLDER SOLUTION

By.. Marvin S. Cohen Chip Quik® Patent Holder

My Observation

My years of experience in the rework industry have put me in contact with numerous technical people who perform all levels of solder and desolder rework. After performing numerous live demonstrations at trade shows, hi-tech companies, technical organizations, service companies, and schools, I have observed that there is a significant lack of understanding of the basic methods of SMT rework. Due to this lack of knowledge many avoid doing rework. The misconception is that you need to spend thousands of dollars on expensive equipment along with special training . Most of us cannot justify this expense for low volume rework. Consequently many boards that could be reworked end up being scrapped.

CHIP QUIK® Has The Solution Safe, Affordable, Easy, Rework

The greatest challenge in rework is to safely remove an SMD without inflicting damage to the board or the adjacent components. This can easily be done with **Chip Quik® and a simple soldering iron**. Chip Quik® will safely remove

QFP's, PLCC's, SOIC's, and chip components. Also shields, grounds, and numerous other applications that require removal at safe low temperatures. **No** need for expensive tips and nozzles. **No** expensive equipment, **No** special

SMD 1



Ordering Information

SMD 1 SMD Removal Kit
(flux, alloy, alcohol pads)
SMD 16 Removal Alloy
16ft. in 6.5in. lengths
SMD 32 Removal Alloy
32ft. in 6.5in. lengths
SMD 291 NoClean Paste Flux
10cc syringe w /tip
SMD 2000 Solder/Desolder
Rework Kit

The Chip Quik® SMD Removal Kit Is The Answer

Included in each Chip Quik® kit is a special removal alloy that has excellent wetting ability with a low melting temperature of 136°F (58°C), a special paste flux used for solder/desolder, and alcohol pads for clean up.

SMD Removal Instructions With Solder Iron

- Apply flux to all leads with the syringe.
- Melt Chip Quik® alloy on all pins of SMD
- With iron maintain alloy in a molten state long enough to release chip
- Lift chip from board with pick up tool.

Clean Up After Removal

- Use iron, and a swab dipped in flux to thoroughly clean and polish pads
- The new chip can now be installed.

How To Solder On The New Chip

- Apply paste flux across all pads of SMD.
- Place chip accurately on pads.
- Solder a few pins to hold chip in place.
- Drag solder all pins with a wide tip iron
- Use wick if bridging occurs.

This unique rework method has become known globally as the Chip Quik® Rework Solution.
