

# PRODUCT *bulletin*

**JNJ INDUSTRIES** 290 Beaver Street  
Franklin, MA 02038



## GREEN FOR LEAD-FREE GOLD FOR LEAD Squeegee Blades & Holders



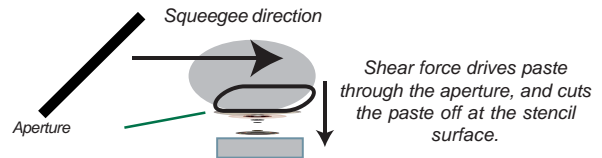
**Pb** **Get The Lead Out!** With the European Directive calling for LEAD-FREE soldering by July 1, 2006, many companies are making adjustments to their process and preparing for change, while others are already doing LEAD-FREE assembly.

Many top CM's and OEM's are already setting up dedicated LEAD-FREE lines, and it is imperative to keep cross contamination out of these lines. This means that you can't use the same equipment and materials in any part of your lead-free process that are being used in your tin-lead lines. Simply put, you need dedicated squeegee blades and holders for your lead free lines to insure that no lead residue will be introduced to your LEAD-FREE manufacturing process.



### JNJ's PROPRIETARY EDGE

- We put a "ball radius" on our metal blades.
- The ball radius protects stencils from damage due to rough or sharp edges.
- Extends the life of stencils due to minimal squeegee abrasion.
- Customer saves money by not having to replace stencils as frequently.
- Smooth edges prevent injuries to operators.
- The machined edge provides uniform shear forces at the stencil aperture.
- We run angles off both sides of the radius.
  - ◆ This helps the solder paste roll off the surface of the blade.
  - ◆ Better rolling action results in more uniform print deposits.



A flat, uniform solder brick is deposited on the pad!

**SEGREGATE YOUR SQUEEGEES TO INSURE THAT NO LEAD RESIDUE OR SALTS CONTAMINATE YOUR LEAD-FREE MANUFACTURING PROCESS.**

The JNJ Advantage	
Base Metal	Spring Stainless Steel
Customer Cost	Lower Than Most OEM's
Plating	Electrolized™ - A Chromium Alloy
Blade Edge	Proprietary Ball Radius
Blade Life	Last Up To Twice As Long As OEM's

### THE PLATING MAKES THE DIFFERENCE

#### Electrolized™ Finish

- ⇨ Smooth Sliding Properties
- ⇨ Minimizes Stencil Wear
- ⇨ Lengthens Blade Life
- ⇨ Ductile, Moves With Blade
- ⇨ Very Hard: Rockwell rating "RC/72"
- ⇨ Guaranteed Not to Chip, Flake, or Peel!

Color Coded Squeegee Holders!  
**Green** for Lead-Free...  
**Gold** for Lead

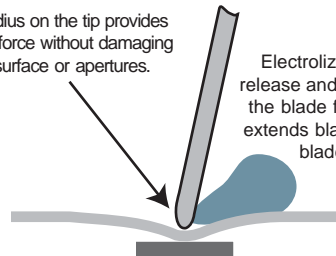
ELECTROLIZED COATING REVIEW	
Coating Thickness	.0005"
Hardness, Rc	70/72
Corrosion	Excellent
Wear	Excellent
Lubricity	Excellent
Conductive	Yes
Operating Temp	1600°F
Masking	As Required
Color	Satin Gray
<i>Hardness • Adhesion • Lubricity • Conductivity • Precision</i>	

**Whether you are printing with Tin Lead or Lead-Free Solder Paste... JNJ has the squeegee blades & holders to do the job.**

### BETTER BLADE - BETTER PRINT RESULTS!

Proprietary radius on the tip provides uniform shear force without damaging the stencil surface or apertures.

Electrolized™ coating helps paste release and solder deposition, protects the blade from abrasive metals, and extends blade life! We coat the entire blade, not just the edge!



Achieve or exceed Original Equipment Manufacturer's (OEM) specifications with JNJ's drop-in replacement metal squeegee blades and holders. Our OEM line includes flat metal blades, adjustable angle metal blades, combination plastic and metal blades and squeegee blade holders for leading manufacturers such as MPM/Speedline, Fuji, DEK, deHaart, Panasonic, EKRA, Juki and SMTech.