

# customspotlight...

JNJ's unlimited capabilities as a manufacturer span from simple private labeling to complete product development. Our dedicated cross-functional team understands unique requirements with our proven experience in best-in-class manufacturing. This experience enables us to produce reliable, high-quality surface mount consumable products and innovative workflow solutions to increase yield and enhance productivity. Partner with us to scale up your stencil printing process, improve cost-efficiency and reduce contaminated waste material.

Our modern production operation includes specialized machinery with the latest technology to manufacture our highly refined squeegee holders and blades to endure the challenges of today's SMT printing. We can produce a custom blade, holder or complete assembly to provide improved print deposition and uniformity of print volume of the entire image.

JNJ's objective is to be the first choice supplier of process support products.



## Ordering

Due to the sheer quantity of standard blades, holders, assemblies and squeegee accessories that we manufacture, it isn't possible for us to list all the ordering information in this TECHNOtalk. Standard ordering information can be found on our website or by contacting the factory. For custom order requests, contact our team of experts to help guide you through the ordering process. Sold through a worldwide network of distributors.

high performance at affordable pricing >>>

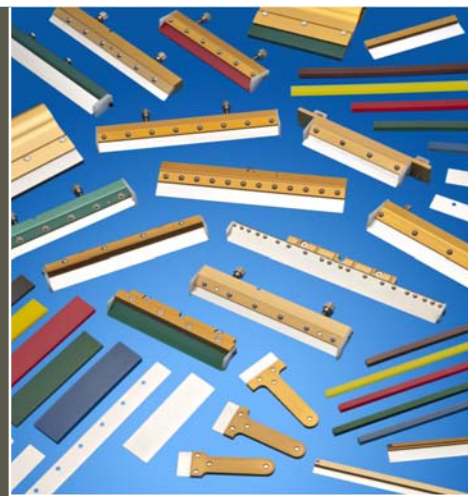
## EcoBlade Metal Blades

Today's competitive marketplace requires companies to lower costs while maintaining high quality standards. JNJ's EcoBlades aid in controlling costs without sacrificing quality or performance. These affordable blades are made from the same high quality stainless steel alloy as our premium Electrolize® plated blades. Approximately 25% less expensive, these blades are precision manufactured without our



proprietary plating or ball radius that runs along the printing edge. The blade

edge is de-burred and ultra-smooth and is comparable to the standard edge provided by most original equipment manufacturers and other metal blade suppliers. EcoBlades are available for immediate delivery, offer a significant cost reduction while maintaining high quality paste printing.



## The Perfect Complement

JNJ Industries is the recognized expert in understencil wiping rolls by exceeding the demanding requirements of the equipment manufacturer and by offering the widest range of OEM compatible rolls in the global market today. SmartRolls® cut down-time, reduce operator intervention, keep screen printers running efficiently. Our squee-



gees and SmartRolls are the perfect complement for achieving optimum productivity and value.

Our commitment is to manufacture consumable products that are environmentally stable and friendly throughout their entire life cycle. These products are in compliance with RoHS, Conflict Minerals, WEEE and REACH regulatory and statutory requirements.

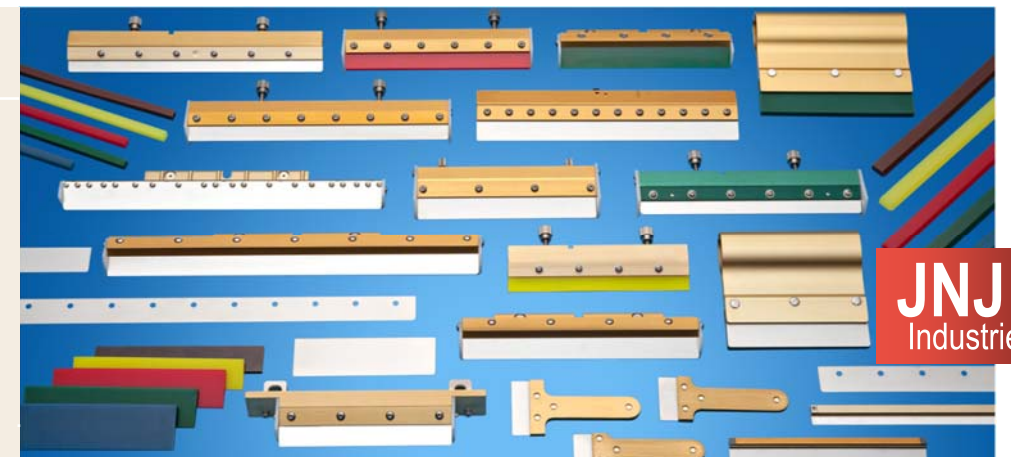


## our product lines >>>

- > Squeegee Blades & Holders
- > SmartRolls® Understencil Wiping Rolls
- > SuperSaturated SmartWipes®
- > GlobalTech® Chemicals
- > SmartWipes® Drywipes

## essentials >>>

- Made in the USA
- OEM compatible
- Lead-free options
- Electrolize® plated for stable performance
- Customizable
- Anodized for strength and protection
- Immediate availability
- Worldwide distributor network



JNJ Industries

## Squeegee Blades & Holders

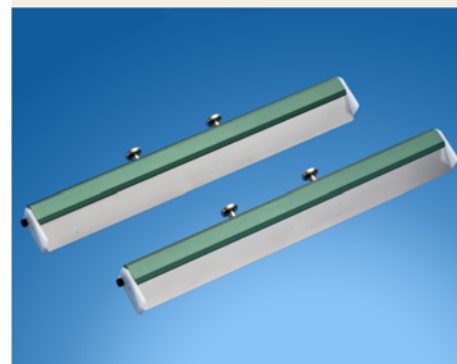
# TECHNOtalk

## solutions >>>

### Lead-Free

Segregate squeegees to insure a lead-free manufacturing process!

With today's strict regulations in the production of lead-free electronics, our green anodized squeegee holders and labeled metal blades enable easy identification of printing accessories designated for RoHS-compliant applications. JNJ's Electrolize plated metal blades offer improved compatibility with lead-free pastes, aid in paste release and reduce surface tension to extend the printing life of the blades, as well as the pastes. Our lead-free plating and label option is available for all standard OEM and custom holders and blades.

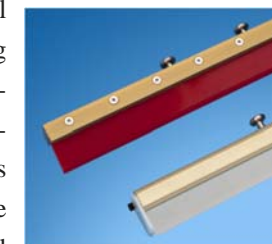


## Squeegees

### Exceeding the OEM'S specifications!

JNJ Industries exceeds the demanding requirements of the equipment manufacturer by offering the widest range of OEM compatible squeegee holders and blades.

Our state-of-the-art facility and proprietary technology make JNJ a leading manufacturer of polyurethane and metal blades and holders. JNJ uses decades of research, development and manufacturing experience to produce our comprehensive line of squeegee products. Our total control of the manufacturing process ensures superior quality at competitive prices. Expert craftsmanship guarantees that all blades and holders are built-to-last. Our gold and green anodized holders are manufactured from quality aluminum and plated to strengthen the surface prevent oxidization. Squeegee blade characteristics have an important effect on process control... Polyurethane blades satisfy single thickness or stepped stencil applications. Choose harder blades for durable, low abrasion performance with single thickness stencils.



Stepped stencil, traditional mesh and emulsion screen printing applications may require a softer blade. Metal blades sustain higher squeegee pressures and are ideal for boards featuring a mix of large and fine pitch components, or where panel flatness cannot be assured. Our Electrolize plated metal blades provide exceptional print deposition, uniformity and enhances the overall stable performance in demanding fine and ultrafine pitch printing applications. Customers across the world depend on the consistency and integrity of our products to optimize their own processes. With three decades of experience as innovators in the screen printing industry, let our experts assist you through our product range. JNJ's worldwide footprint provides dependable distribution, with 95%+ on-time delivery.



the oems >>>

## OEM Compatible Squeegee Blades & Holders



JNJ has the most comprehensive range of OEM squeegee blades and holders designed and manufactured to be a superior and cost-efficient replacement than those provided by the stencil printer manufacturers. Our high performance squeegees are affordable, long lasting, reduce downtime, improve print quality and have a quick turn-around on all standard products. JNJ's in-house capabilities allow us to manufacture both standard and custom squeegee configurations for maximum life and process flexibility. Our blades and holders are regarded as the finest in the industry!



manual printing >>>



## Hand Held Holders Metal & Polyurethane

Our ergonomic Universal Hand Held Holders are the ideal accessory for manual printing applications. Lightweight but rugged, our hand held holders are made from sturdy gold anodized extruded aluminum. Extremely flexible, these holders are capable of holding polyurethane blades and/or metal blades. Holders come standard with a 90 durometer polyurethane blade, but custom durometers are available from 60-80. Flat metal blades are an affordable choice by using the existing polyurethane blade as a backing. Our quick fit metal blades are designed as a convenient sub-assembly with a metal blade riveted between two spacer bars. Metals blades are plated with our proprietary Electrolize coating ensuring superior quality with a guaranteed radius straight edge. Telescoping steel bolts aid in quick blade changes. Holders are available in lengths ranging from 4" to 24", in 2" inch increments, but custom lengths are also available.



## SMarTek®

SMarTek adjustable angle of attack metal squeegee blade assemblies fit directly into most standard diamond or single edge style blade holders. The precision ground blades, with our proprietary Electrolize® coating, deliver crisp print deposits time after time. The metal blade adjusts easily to any desired angle and conveniently locks in place with an Allen wrench. The assembly includes a .375" x .375" aluminum housing, lock collars and metal squeegee inserts. The angle is adjustable +/- 50° from the center position giving an operating range from 40° to 140°. Replacement blades are sold separately.

## Our Proprietary Plating

Hardness • Adhesion • Lubricity • Conductivity • Precision



### Overview

- > Coating thickness... .00001"
- > Hardness... Rc 70/72
- > Corrosion protection... Excellent
- > Wear resistant... No chipping, flaking or peeling
- > Lubricity... Excellent
- > Adhesion... Absolute
- > Conductive... Yes
- > Electrostatic build-up/discharge... Eliminates
- > Appearance... Smooth satin
- > No undercoating... No nickel or copper

The Electrolizing® process uniformly bonds a smooth, very dense, pure chromium, non-magnetic, extremely hard (Rc 70/72) proprietary alloy onto our stainless steel base premium metal blades. This alloy provides an unusual combination of bearing properties, remarkable wear resistance, extremely low coefficient of friction and corrosion protection. The smooth sliding properties enhances paste rolling and release as well as aids in cleaning. The plating surface is satin -gray in color, continuous, fine grained, adherent, uniform in thickness and appearance and is free of blisters, pits, nodules, porosity and edge build-up. Electrolizing continues to be the leading plating in the electronics industry!

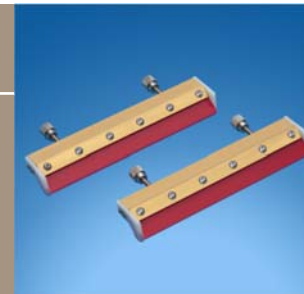


## SCS

Single Component Squeegees are finely crafted metal assemblies that are designed to fit single component stencils for printing micro BGA's, ultrafine pitch and difficult devices on populated or bare boards. Made of the same quality materials as our OEM line of squeegees, these easy to handle squeegees come in three standard sizes, 1.5", 2" and 2.5". They may be customized to optimize your printing applications. Sold in sets of three.

polyurethane blades >>>

JNJ's ProEdge brand of high performance polyurethane squeegee blades have a reputation for providing exceptional print deposition and superior quality. Made from the highest grade polyurethane materials, our blades are solvent and abrasion resistant, withstand cracking under repetitive flexing, offer high level impact resistance and have an inherent elastic memory. Unlike molded blades, our precision machined edges are always sharp, resulting in highly accurate printing. Our manufacturing process ensures consistent quality, print reliability and repeatability, dimensional stability and precise thickness control that is required by today's electronics manufacturers. ProEdge's tight dimensional and durometer tolerances combined with quality assured defect-free edges provide a product you can depend on. Our experience allows us to be at the forefront of the high demands required by screen printers worldwide. Available standard in 60-90 durometer ~ Shore A scale.



### Technical Specs

Style	Diamond	Rectangular	Single Edge
Dimensions	.375" x .375" x 24"	.25" x 1.25" x 18"	.375" x .75" x 24"
Working Edges	4	4	1

## Customize It!

Custom blades are our specialty!

Our in-house engineering capabilities affords us the unique opportunity to work with customers to meet their specific production requirements. Choose from a variety of custom options such as; durometers, blade edges and dimensions.

### Durometer Selection

- > 50 (black)
- > 60 (brown)
- > 70 (yellow)
- > 80 (red)
- > 90 (green)
- > 100 (blue)
- > 110 (orange)
- > 120 (dk green)
- > 180 (white)



\*standard durometers