

JNJ INDUSTRIES

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THE INDUSTRY STANDARD IN QUALITY AND PERFORMANCE

DELIVERING THE PERFORMANCE YOU DEMAND

In addition to our Global-Tech products, JNJ is a leading supplier of ultrasonic cleaning equipment, electronics screen-printing accessories, and specialized tooling products for industries which include high technology, automotive, aerospace, military, electronics, medical, billiards, screen printing, pets, environmental, and industrial manufacturing.

JNJ Industries is a single source provider for the components, solvents and consumable supplies essential to maintain the highest quality standards in the assembly and manufactur-

ing process. The electronics accessory line features both JNJ designed, and OEM specification squeegee blades and holders, and under stencil wiping rolls. Both the JNJ and OEM lines deliver absolute performance consistency.

For cleaning, maintenance, rework, and polishing, JNJ's SmartWipes® line offers application specific packaging and materials selection for optimum results. From understencil wiping rolls, super absorbent and lint free wiper materials to zero abrasive fabrics for polishing and cleaning precision optics, JNJ makes a Smart-

Wipe for every job.

JNJ's commitment is not only to provide the highest quality products possible, but also to make them available for fast delivery through a network of local, national, and international distributors. In addition to obtaining JNJ quality products, our customers get the added benefit of doing business with local suppliers who can provide quick delivery and familiar service.



THE SOURCE
SMT PRODUCTION SUPPLIES
& CLEANING EQUIPMENT
CUSTOM & PRODUCTION MACHINING

JNJ INDUSTRIES

SMARTWIPES®

TECHNOtalk

2007

800-554-9994

WIPER PRODUCTS

JNJ manufactures a complete line of application specific wiper products for all cleaning and polishing applications. We use only the highest quality materials available, chosen specifically to deliver optimum performance and value for each and every use. Whatever your cleaning or wiping needs, JNJ has the SmartWipe to do the job. There are SmartWipes for cleanrooms, cleaning optics, manually wiping SMT stencils, cleaning wire mesh screens, and for gen-

eral purpose cleaning of individual parts or machinery. In keeping with our commitment to innovation, we continue to develop new materials and products that will help serve the needs of our customers today, and anticipate their needs for tomorrow.



UNDERSTENCIL WIPING ROLLS

JNJ is the recognized expert in understencil wiping rolls by meeting or exceeding the demanding requirements of the equipment manufacturer and by offering the widest range of standard OEM compatible and custom rolls in the global market today. We utilize only the highest quality materials available for our SmartRoll® Under-Stencil Wiping Rolls, chosen specifically to deliver optimum performance and



value for each and every application. Whether your requirement is standard or custom, SmartRolls are the most cost effective stencil wiping choice!

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SELECTAWIPE ROLLS... CLEANS WITH EASE OF A PAPER TOWEL

Our economical all purpose SelectaWipe rolls have 200 perforated wipes and were designed to be used in any type of cleaning application. SelectaWipes allow users to tear off a cleanroom grade wipe with the ease of a paper towel. These wipes are made from the same material as our

401 UnderStencil Wipes and our 4000 Series SmartRolls. They are tough and absorbent, and resist tearing or shredding, even when wet. Compare the cost per wipe of our SelectaWipes against competitive flat wipes and you will find that our SelectaWipes are not only more convenient to use, but they are also less expensive. Industrial SelectaWipe Rolls are also available.



401 UnderStencil Wipes and our 4000 Series SmartRolls. They are tough and absorbent, and resist tearing or shredding, even

Q&A

Does JNJ Offer Samples To Help You Select The Right Wiper Product?

JNJ has simplified your choices by giving all of our SmartWipe products application specific names. Whatever your requirements, JNJ has the right wiper product for your application. Every year we send thousands of samples to customers world wide. Call or e-mail us at sales@jnj-industries.com to help you qualify which JNJ product is right for your application.

WHATEVER YOUR CLEANING REQUIREMENTS...CHOOSE THE SMART SOLUTIONS, CHOOSE SMARTWIPES FROM JNJ!

QUICK PICK SELECTION CHART

PART NO	WIPE	SIZE	MATERIAL	PACKAGING	DESCRIPTION	APPLICATION
031A	ULTRA UNLAUNDERED	9" x 9"	100% POLYESTER	850 WIPES (APPROX) 2-5 LB BAGS/CS	SOFT, ABSORBENT, STRONG	CONTROLLED MANUFACTURING AREAS REQUIRING LOW PARTICLE GENERATION
0412	OPTISMART	8" x 8"	POLYESTER	100 WIPES/BG 1 BAG/CS	REUSABLE, SOFT, SMOOTH OPTICAL LENSE CLOTH - WILL NOT SCRATCH / SMEAR	GLASSES, CAMERAS, MICROSCOPES, CDS/DVDS, PRECISION OPTICS, MIRRORS
0923P	BLUE COMET	12" x 14"	CELLULOSE POLYESTER	1000/CS BULK	ABSORBENT, STRONG, RESISTS TEARING & SHREDDING - VERY LOW LINT	ALL-AROUND CLEANING WIPE FOR MANUFACTURING & ELECTRONICS
401	UNDERSTENCIL	9" x 9"	CELLULOSE POLYESTER	300 WIPES/BG 12 BAGS/CS	EXCELLENT ABSORPTION & STRENGTH - STRONG, DURABLE, LOW LINT - WILL NOT TEAR OR SHRED	EXCELLENT FOR CLEANING SCREENS & STENCILS
413A	EQUASTAT	9" x 9"	CONTINUOUS FILAMENT POLYESTER	150 WIPES/BG 5 BAGS/CS	STATIC-DISSIPATIVE, SOFT, DURABLE, EXTREMELY LOW LINT	ELECTRONICS MANUFACTURING WHERE STATIC (ESD) CONTROL IS ESSENTIAL
443	FOAM	6" x 9"	RETICULATED POLYURETHANE	100 WIPES/BG 5 BAGS/CS	1/8" THICK, LINT FREE, REUSABLE, DURABLE, PREVENTS SCRATHES, OPEN CELLS TRAP DIRT	CLEANROOMS - EXCELLENT FOR WIPING ROUGH SURFACES
810	ULTRACLEAN STANDARD	9" x 9"	100% POLYESTER	150 WIPES/BG (2 BAGS OF 75) BAGS/CS	MEETS FEDERAL STANDARD 209D - LAUNDERED, DRIED IN A CLEANROOM ENVIRONMENT	CLASS 100 CLEANROOM WIPES - CLASS 10 COMPATIBLE
810-B	ULTRACLEAN BULK PACKED	9" x 9"	100% POLYESTER	150 WIPES/BG (2 BAGS OF 75) BAGS/CS	MEETS FEDERAL STANDARD 209D - LAUNDERED, DRIED IN A CLEANROOM ENVIRONMENT	CLASS 100 CLEANROOM WIPES - CLASS 10 COMPATIBLE
810-ECONO	ULTRACLEAN VOLUME PACKED	9" x 9"	100% POLYESTER	151 WIPES/BG (2 BAGS OF 75) BAGS/CS	MEETS FEDERAL STANDARD 209D - LAUNDERED, DRIED IN A CLEANROOM ENVIRONMENT	CLASS 100 CLEANROOM WIPES - CLASS 10 COMPATIBLE

CUSTOM CAPABILITIES

JNJ offers many cost saving services. We have dedicated equipment that allows us to be an exclusive manufacturer providing custom solutions to your companies specific development and production requirements. Because we're the actual manufacturer, we can produce a custom roll or wipe based on your specifications. While most roll suppliers either shy away

from or lack the capabilities to provide this service, JNJ finds it easy! JNJ has assisted many companies such as Solectron, Celestica, Nokia, SCI, Sanmina, Flextronics and Motorola in customizing rolls for their specific applications.



SUPERSATURATED SMARTWIPES

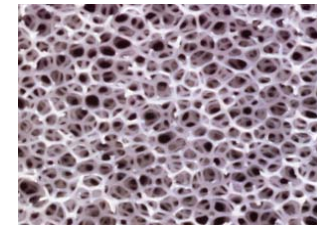
Our SuperSaturated SmartWipes offer cleaning solutions where and when you need them. SuperSaturated SmartWipes feature a durable, solvent retentive material substrate that cleans effectively without leaving excess solvent behind. Each wipe is presaturated with the proper amount of GlobalTech® CFC & HCFC Free solvent and is packaged in a recyclable, reusable canister. The strong, super absorbent wipes are 100% cleanroom grade polyester, low in lint, and resist tearing and shredding. SuperSaturated SmartWipes trap dirt, grease, solder paste, flux residue, epoxy, ink, and other contaminate particles. Every JNJ saturated wipe is available in a vacuum sealed, space and money saving, waste reducing Foil Refill Packs.



UNDERSTENCIL

UnderStencil SmartWipes are designed especially for cleaning SMT stencils, stencil printing machines, squeegees and misprinted boards. This wipe effectively absorbs solder paste, flux residue, inks and epoxies, with or without solvent. The 401 wipe will keep the underside of stencils clean from excess residue between prints to prevent contaminants from being transferred onto PC boards. Ideal for cleaning standard pitch, fine pitch, and ultra fine pitch stencil images, they resist tearing and shredding, and are very low in lint.

stability, strength and efficient wicking action. Cleanroom Grade: 1000.



FOAM

Our Foam SmartWipes are white in color, and clean room packaged. They are absorbent to solvents and solutions, as well as many forms of contaminants. Foam wipes are the only true non-abrasive, lint free wipes. The exceptionally low particle generation makes them ideal for clean room applications. The open cell structure of the wipe not only traps dirt and soils including thick film inks, grease, pastes, and epoxies, but the high "sponge-like properties" make them an excellent solvent applicator. Foam wipe #443 is made from fully reticulated (open cell) polyester-urethane. It resists hydrocarbons, oils, solvents and grease.

cal static. The knit construction of EquaStat also increases product integrity and decreases particle generation and soluble extractables. EquaStat is laundered in ultra-filtered water of 0.45µ purity and dried in a HEPA filtered class 100 air stream. Each wipe is hermetically sealed in an ultraclean package within a Class 100 cleanroom and meets Federal Standard 209. Cleanroom Grade: Class 100 - Cleanroom Compatibility: Class 10 or better.



ULTRACLEAN & ULTRA UNLAUNDERED

Manufactured from 100% continuous filament polyester fiber, with a knit construction and pattern. JNJ's UltraClean SmartWipes ensure superior cleaning performance with extremely low particle generation and soluble extractables. This wipe is soft and will not scratch; it becomes softer when wet, while maintaining high tensile strength. Unaffected by solvents, UltraClean wipes have very low electrostatic discharge. UltraClean wipes are excellent for cleaning glass and ceramic substrates, CD discs, instrumentation, tools, and the bottom of screens. UltraClean Unlaundered is one of our most popular wipes and is widely used in screen printing applications where lint free cleaning is critical.



be laundered without any loss of cleaning ability. OptiSmart is ideal for cleaning camera lenses, glasses, sunglasses, microscopes, telescopes, and

OPTISMART

OptiSmart...used by special forces in Afghanistan 2002 - 2003 "OptiSmart is the best wipe I've ever used to clean my night vision goggles," by SFC Timothy McFadden, US ARMY OptiSmart SmartWipes® are woven of soft, microscopic, ultrafine polyester fibers, 1/200 the diameter of a human hair. This weave enables it to scoop up and trap oil and dirt between its super sharp knife-like fibers. OptiSmart safely cleans finger smudges, dirt, oil, and other contaminants from delicate optical surfaces. It will not smudge, scratch or smear as it cleans. It can be used either dry or with solvents, and can



BLUE COMET

Blue Comet SmartWipes® are manufactured through the process of hydroentanglement, in which highly absorbent cellulose is combined with polyester fibers, resulting in a synergistic blend that is free of chemical binders. The ultra-clean cellulose give this wipe its high absorbency and body, and the polyester fibers provide dimensional

EQUASTAT

EquaStat SmartWipes® are comprised of continuous filament polyester fiber that includes Dupont's patented Negastat® carbon yarn. Negastat enhances the electrical conductivity which promptly disperses electri-