

JNJ INDUSTRIES

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THE INDUSTRY STANDARD IN QUALITY AND PERFORMANCE

OUR 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 based on your specifications. While most roll suppliers either shy away from or lack the ca-

pabilities 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.



OUR COMMITMENT

Our commitment is not only to provide the highest quality understencil rolls possible, but to make them available to you for fast delivery through a network of local, national and international distributors. In addition to getting JNJ quality products, you add the benefit of doing business with local suppliers who can provide quick delivery and familiar service.



SMT PRODUCTION SUPPLIES & CLEANING
EQUIPMENT CUSTOM & PRODUCTION MACHINING

JNJ INDUSTRIES

TECHNOtalk

2007

SMARTROLLS®

800-554-9994

The Industry Standard in UnderStencil Roll!

JNJ Industries 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 OEM compatible rolls in the global market today. We produce both standard and custom rolls for Speedline/MPM and DEK, Panasonic, Fuji, EKRA, and Juki's family of printers (refer to the TechnoTalk Ordering Info for a chart of our full range of OEM rolls). JNJ utilizes only the highest quality materials available for our SmartRoll® UnderStencil Wiping Rolls, chosen specifically to deliver optimum performance and value for each and every application. Because understencil wiping is so critical in the electronics industry, JNJ manufactures SmartRolls in three application engineered material

specifications. Made from DuPont's® finest grade non-woven synthetic paper and spun lace fabric, our 4000 Series Standard material is considered to be the industry standard for cleaning the un-

duced this film to the global market as a recommended packaging addition for every ESD control program. Whether your requirement is standard or custom, SmartRolls are the most cost



derside of stencils. Our 7000 Series OmniRoll material is ideal for printers that are equipped with or without the vacuum option. Each SmartRoll is individually shrink wrapped in a protective static dissipative ESD safe film, with superior static control properties, allowing an unlimited shelf life. JNJ intro-

effective stencil wiping choice. Your manufacturing operations demand the highest quality and performance - Insist on SmartRolls from JNJ!

SmartRolls...see the quality in every roll

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

Our SelectaWipe rolls have 200 perforated wipes and were designed for cleaning stencils, screens, PC boards, squeegees, tools, and machinery. An economical all purpose wipe that can be used for every type of cleaning application. SelectaWipes

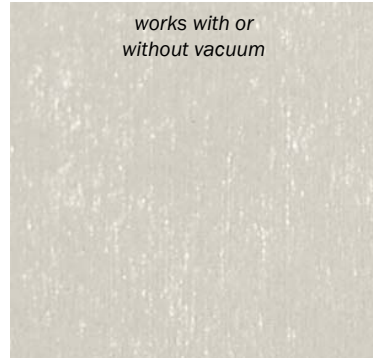
allow users to tear off a cleanroom grade wipe with the ease of a paper towel. These wipes are made from the same DuPont lint free, nonwoven material as our 401 UnderStencil Wipes and our 4000 Series SmartRolls. They are tough and absorbent, and resist tearing or shredding, even when wet. Available in 9" x 9" and 9" x 12" with an optional dispenser

that can be grounded for ESD sensitive areas. Ideal for cleaning fine pitch and standard pitch stencils. Compare the cost per wipe of our SelectaWipes against the cost of flat wipes from other suppliers and you'll find that our SelectaWipes are not only more convenient to use, but they are also less expensive. Industrial SelectaWipe Rolls are also available.



SMARTROLLS...THE SMARTCHOICE!

Standard - 4000 Series
JNJ's Standard SmartRoll material is the industry standard for cleaning the underside of stencils, keeping



works with or without vacuum

4000 Series magnified colored to show detail

them free from solder paste, flux, inks, and epoxies between prints. Our new and improved DuPont Sontara® material enhances air flow, now allowing complete compatibility of any stencil

printer with or without vacuum. Wiping with SmartRolls prevents smearing, bridging, solder balls, and other problems associated with stencil printing. This cleanroom grade wiping roll is very low in surface lint, is tough, absorbent, resists tearing and shredding, and can be used with or without solvent. Rolls made from the Standard material begin with "4", i.e. part number 4101MP represents an MPM roll made with the 4000 Series.

OmniRoll® - 7000 Series
The OmniRoll has the same raw materials and manufacturing process as our Standard 4000 Series material, but has a lighter basis weight. This material composition has excellent air flow characteristics, which

allows the printer's vacuum system to work as designed, but also makes it an ideal roll for printers that have not been upgraded with a vacuum system. Because of its lighter basis weight, it accommodates additional linear feet per roll while maintaining the standard roll OD specification. Rolls made from the OmniRoll material begin with "7", i.e., part number 7101MP represents an MPM roll made with the 7000 Series, while part number 7101MP-55 has 55 linear feet of material instead of the normal 39 feet for a standard MPM roll.



7000 Series magnified colored to show detail

Achieve Maximum Cleaning Performance when Combining JNJ's SmartRolls with SMT Stencil Cleaner in Your Solvent Bar System*

*JNJ's SMT Stencil Cleaner is approved by DEK

EVERY ROLL IS WRAPPED IN STATIC DISSIPATIVE ESD SAFE FILM

Every SmartRoll is shrink wrapped in a protective static dissipative ESD safe film with superior static control properties. Our film has the lowest surface resistivity



ever available in an antistatic shrink film. This transparent film is amine-free and has inherent antistatic properties which provide permanent product stability. Its contact clarity allows easy identification of the packaged contents. The surface resistivity remains at a constant level over extended periods of up to two years. Made of top grade polyfin resins, it is completely recyclable and contains no harmful substances. JNJ's ESD safe shrink film is a light packaging concept which is environmentally safe and limits post-consumer waste.

FAQ

Does JNJ actually make their understencil rolls?

Yes, we do! In fact, we have manufactured and sold millions of rolls worldwide.

JNJ is the only printing accessory supplier that produces all of their own wiper roll products. JNJ is a material converter - we purchase master mill rolls from leading raw material suppliers, that weigh nearly a ton, and convert them into our SmartRolls and SmartWipes.

JNJ purchases only first quality materials for our products. Focusing on quality, we chose an elite group of suppliers, including DuPont, to furnish materials for our understencil rolls. We take great care in selecting our raw materials to guarantee the highest quality and consistency of any understencil roll available in the global market today.

Because JNJ is a converter, we have specialized machinery that allows us to be an exclusive manufacturer providing custom solutions to your companies specific development and production requirements. We can provide any custom core length, additional linear feet per roll, material cut backs, notched cores, taped cores, plastic or paper cores, while holding the most stringent tolerances. Custom quantities are based upon your production needs. Our rolls come to you with a quality guarantee and because we make our own rolls, we offer them at more than a competitive cost.

SMARTROLL SPECIFICATIONS

PART NO	MATERIAL LENGTH	MAKE	PRINTER / OEM PART NO	CORE LENGTH	CORE ID	ROLL LENGTH
4001JK/7001JK	17.75"	JUKI	KS-1700	18.5"	.75"	37'
4101MP / 7101MP	17.5"	MPM	P1485, AP & UP2000	18"	.75"	39'
7101MP-55	17.5"	MPM	AP & UP2000	18"	.75"	55'
4101MP-12 / 7101MP-12	12"	MPM	AP & UP2001	18"	.75"	39'
7101MP-12-55	12"	MPM	AP & UP2001	18"	.75"	55'
4102MP / 7102MP	17.5"	MPM	P2348 & AP	18"	1"	33'
4104MP / 7104MP	24"	MPM	UP3000	24.5"	.75"	39'
4105MP / 7105MP	21.5"	MPM	AP & UP	22"	.75"	39'
7105MP-55	21.5"	MPM	AP & UP	22"	.75"	55'
4107MP / 7107MP	19.47"	MPM	UP1500	20.47"	1.5"	39'
4201DK / 7201DK	21.25"	DEK	265/#112239	21.25"	.75"	36'
4202DK / 7202DK	20.12"	DEK	265,GS, GSX & 288/#129051	20.87"	.75"	36'
4202DK-W / 7202DK-W	20.12"	DEK	265,GS, GSX & 288/#129051 (window sensor)	20.87"	.75"	36'
7202DK-45	20.12"	DEK	265, GS, GSX & 289/#129051	20.87"	.75"	45'
4202DK-12 / 7202DK-12	12"	DEK	265, GS, GSX & 288	20.87"	.75"	36'
4202DK-14 / 7202DK-14	14"	DEK	265, LT & GS	20.87"	.75"	36'
4202DK-16 / 7202DK-16	16"	DEK	265, ELA	20.87"	.75"	36'
4301SM / 7301SM	16"	SMTECH	SMTECH, QUAD, AVP300	16"	1.5"	39'
4302SM / 7302SM	20.47"	SMTECH / MPM	SMTECH, QUAD, AVP400 & UP1500	20.47"	1.5"	39'
4401EK / 7401EK	11.81"	EKRA	E3, E4, E5	11.81"	.5"	28'
4402EK / 7402EK	17.71"	EKRA	E3, E4, E5	17.71"	.5"	28'
4404EK / 7404EK	19.69"	EKRA	E3, E4, E5	19.69"	.5"	28'
4501PA / 7501PA	21.25"	PANASONIC	G1/#1935C081470	21.25"	1.5"	39'
4502PA / 7502PA	14.18"	PANASONIC	G1	14.18"	1.5"	39'
4502PA-108 / 7502PA-108	14.18"	PANASONIC	G1	14.18"	1.5"	108'
4503PA / 7503PA	28"	PANASONIC	SPPG1	28"	1.5"	39'
4504PA / 7504PA	16.14"	PANASONIC	SPPV	16.14"	1.5"	39'
4504PA-108 / 7504PA-108	16.14"	PANASONIC	SPPV	16.14"	1.5"	108'
4506PA-108 / 7506PA-108	18.89"	PANASONIC	SP28P	18.89"	1.5"	108'
4507PA-108 / 7507PA-108	20.81"	PANASONIC		20.81"	1.5"	108'
4601SA / 7601SA	11"	SANYO	SANYO	11"	1.5"	39'
4602SA-108 / 7602SA-108	11"	SANYO	SANYO	11"	1.5"	108'
4603SA-108 / 7603SA-108	18.3"	SANYO	SANYO	18.3"	1.5"	108'
4701KM-108 / 7701KM-108	10.63"	KME	KME	10.63"	1.5"	108'
4702KM-108 / 7702KM-108	13.78"	KME	KME	13.78"	1.5"	108'
4901FU / 7901FU	19.69"	FUJI	FUJI	19.69"	1"	33'
4902FU / 7902FU	15.63"	FUJI	GP541	15.63"	1"	26'

CUSTOM ROLLS CAN SAVE YOUR COMPANY MONEY!

It's JNJ's motto that CUSTOM doesn't necessarily mean more expensive. Most companies aren't aware that custom rolls are offered in many sizes for all types of applications. For example: If your printing 13" boards, why purchase an 18" roll? By purchasing the standard roll, you pay for the added material plus the additional cost of discarding the extra contaminated waste. Because JNJ is a converter, we stock hundreds of master rolls and cores of all sizes enabling us to manufacture any roll.



Insist on Quality...Ask for JNJ's Chemistries by Name

Custom Options

- Varied Core Lengths
- More/Less Linear Feet Per Roll
- Taped Core
- Take-up Cores
- No Minimum Volumes Required
- Material Options
- Range of Material Widths
- Taped Material Edge
- Notched Cores
- Material Cutbacks
- Selection of Core Materials
- Perforations