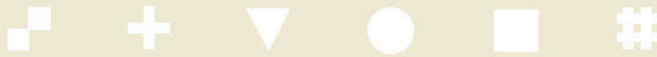




HIGH PERFORMANCE UNDER SCREEN CLEAN ROLLS

Regular, effective screen cleaning is fundamental to maximising pre-placement yield. But modern fine-pitch assemblies and other advanced screen printing applications require cleaning performance beyond the capabilities of conventional paper-based cleaning materials.



Effective screen cleaning requires a material that is specifically engineered for under screen cleaning. Material that has excellent absorbency, low-linting, and is strong when saturated with various cleaning chemicals.

DEK offers two excellent USC cleaning roll solutions to meet the stringent requirements of the electronic manufacturing environment:

DEK USC roll products

- High performance USC mediums
- Developed specifically for automated under screen cleaning

- Enhanced cleaning raises yield and throughput
- High tear resistance raises MTBF and reduces operator intervention
- Standard widths for most automated screen printer available
- Compatible with all DEK screen printers

Dupont Sontara® Cleanmaster screen-cleaning fabric is specifically engineered for under screen cleaning using the printer's on-board, roll-feed, under screen cleaning (USC) mechanism.

Sontara® Cleanmaster is exceptionally absorbent – designed to absorb and hold cleaning solvents and able to pick up even small amounts of paste that can cause bridging in fine-pitch assemblies.

Lint is the chief enemy of PCB's because it blocks screen apertures and prevents gasketing between the screen and the board. Sontara® Cleanmaster fabric is remarkably low-linting – and it is manufactured without glue or binders that can break down and stick to screens and boards.



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Sontara® Technical Specification

Property		Value	Unit	Test Method
Composition	Polyester	4	%	
	Woodpulp	54	%	
Basic weight		51	g/m2	ASTM D3776
Thickness		0.28	mm	ASTM D1777
Intrinsic water absorption		4.56	ml/g	IES-RP-CC-084.2
Extrinsic water absorption		244	ml/m2	
Intrinsic absorption rate		34	ml/g/s	
Extrinsic absorption rate		1807	ml/m2/s	
Grab tensile	MD	133	N	ASTM D5034
Breaking strength (dry)	XD	67	N	
Grab tensile	MD	112	N	
Breaking strength (wet)	XD	57	N	

Manufactured supplied data.

The fabric is engineered strong. It's highly resistant to tearing, both wet and dry, and it is compatible with a wide-range of solvents.

Sontara® Cleanmaster screen cleaning fabric can save you both time and money by helping prevent waste while increasing productivity.

DEK SMT Roll is a high-performance USC roll that offers excellent cleaning performance at a cost-effective price. The DEK SMT Roll has been developed to optimise the cleaning performance of the automated under-screen cleaning systems for DEK screen printers, and most of the MPM, EKRA, Fuji, Panasonic, Sanyo, and SMTech/Quad screen printers.

The DEK SMT Roll material is a unique spun-woven polyester blend that offers good absorbency, low-linting and exceptionally strong wet tensel strength. This fabric's unique

construction increases the drying time for most solvents and cleaning chemicals ensuring that the entire under-side of the stencil is cleaned as expected. When dry, the fabric's absorbent characteristics ensure a completely dry stencil for the next print cycle.

DEK SMT Roll Technical Specification

COMMODITY	Spun-woven Polyester		Date
SPECIFICATION	4050E		8/5/02
Test Item	Unit	Test Method	Test Result
Thickness	mm	CNS-1479	0.25
Weight	g/M2	CNS-1479	50
Density	g/cm2	CNS-1479	0.2
Tensile Strength	MD	kg	CNS-9520 16.36
	CD	kg	CNS-9520 2.36
Elongation Rate	MD	%	CNS-9520 24
	CD	%	CNS-9520 77
Tearing Strength	MD	kg	CNS-9520 0.58
	CD	kg	CNS-9520 0.64

The data on this page was supplied by the material manufacturer and to the best of DEK's knowledge the information is accurate.