Micro Fine Pitch Stencil Clean Rolls

A Game Changer

Micro Fine Pitch (MFP) stencil clean rolls, are designed to boost productivity and yield, reduce defects and decrease manufacturing costs.

Incorporating a unique micro hole structure to trap and hold solder particles, the screen roll keeps paste material away from the stencil to ensure a fast and effective clean. The hydrophilic properties of the Polypropylene material provides fast wicking, as solvent is delivered through the fabric to the bottom of stencil instantaneously so that cleaning is more effective and solvent consumption is reduced. Both characteristics are essential for the effective cleaning of ultra-fine pitch apertures.

Take the QTEK challenge and see how you can improve your screen printing process, contact us to arrange a demonstration with your local agent.

QTEK Manufacturing Ltd.,
Unit 7, Glenascaul Technology Park,
Oranmore, Galway, H91 F589, Ireland.
Tel: + 353 91 745 160
Fax: + 353 91 751 299
Email: sales@qtek.com

Mexico HQ.,
Camino a la Tijera 806 A-1,
Guadalajara, CP. 45645, Mexico.
Tel: +52 (33) 3687 0547

qtek.com

Keeping Technology Lines Moving

Micro Fine Pitch (MFP) Screen Rolls

Specification Sheet

Product : QTEK Micro Fine Pitch rolls are the most advanced of their kind on the market. Specifically designed to optimise the stencil cleaning process, they outperform all other products in terms of cleanliness, absorbency, chemistry compatibility, and cleaning ability. QTEK MFP rolls are proven to increase productivity and yield, while decreasing defects and manufacturing costs.

Features:

- 100% Spunbond Polypropylene with hydrophilic surface modification treatment
- Fully automated production line removes human interaction with the product
- Enhanced fabric flexibility and softness enables cleaning of difficult to reach parts of the stencil
- Multi-dimensional texture traps foreign particles
- No binders, surfactants or other chemical additives
- Manufactured to release low levels of particles and extractables
- Designed for use on abrasive or sensitive surfaces, it will not easily snag or abrade therefore will not release particles and fibers into the process or environment
- Requires significantly less chemical solution at the point of cleaning compared to other products
- ROHS Compliant
- ISO 6 Cleanroom Compatible

Technical Data:

Material: 100% Polypropylene
Treatment: Hydrophillic
Fabric Colour: White
Fibers: ≥ 100µm fibers/ 0.88 IEST-RP.CC004.3, Sec 6.2.2
Extractable Matter: DI Water % 0.0020 IEST-RP.CC004.3, Sec 7.1.2
IPA % 0.020
Specific Ions: IEST-RP-CC004.3, Sec. 7.2.2
Sodium: ppm 3.0
Chloride: ppm 5.0
Absorbency: 220%

Test Results:

PROPERTIES	TEST METHOD	UNIT	TARGET	ACTUAL VALUE
WEIGHT	ERT 40.3-90	gr/m2	50	46-54
THICKNESS	ERT 30.4-89	mm	0,36	0,36
MD TENSILE STRENGTH CD	ERT 20.2-89	N/5 cm	120 70	>100 >65
MD ELONGATION AT BREAK CD	ERT 20.2-89	%	85 85	55-95 50-95
STRIKE THROUGH	ERT 150.3-96	s	<3,5	
REWET	ERT 151.1-96	g	<0.2	

MD--Machine Direction
CD--Cross Direction

No Optical Brighteners

Tolerances For Results
Thickness.....+/- 10 %
Tensile Strength.....+/- 10 %
Elongation.....+/- 10 %
Target Weight.....+/- 5 %

Part Numbers:

Rolls are compatible with all major Screen Printing machines. Please contact for details