

# Keeping Technology Lines Moving



**QTEK**<sup>®</sup>

QUALITY ASSURED SYSTEM  
ISO 9001  
BQAI

[qtek.com](http://qtek.com)

Screen cleaning rolls are essential components in keeping stencil printing machines clean and effective. Individual manufacturers configure their systems differently to use specific sizes and designs of underscreen cleaning rolls. It is imperative that these specifications are replicated exactly when choosing a screen roll. In particular, the quality of the wiping fabric must be sufficient to absorb solder paste and other contaminants, while remaining sufficiently porous for the vacuum unit to function.



## Custom Roll Designs

QTEK screen rolls are made to ensure that manufacturers' specifications are matched exactly in a variety of custom lengths designed to provide cost-effective solutions to varying vacuum and stencil dimensions. Each are made with the most absorbent and durable wiping fabrics available and are especially low linting.

Part No	Printer	"A" Core Width (mm)	"B" Core ID (mm)	"C" Core OD (mm)	"D" Roll OD (mm)	"E" Paper Length (m)	"F" Paper Width (mm)	Core Type	Material	Notch
2300	MPM	456	19.4	25.4	63	11	444	Cardboard	Standard	No
2300MFP	MPM	456	19.4	25.4	63	11	444	Cardboard	MFP	No
2312MFP	MPM	456	19.2	25.4	63	11	350	Cardboard	MFP	No
2660	ASM DEK	530	19.6	22.6	58	11	515	Perspex	Standard	Yes
2660MFP	ASM DEK	530	19.6	22.6	58	11	515	Perspex	MFP	Yes
2662	ASM DEK	530	19.6	22.6	58	11	400	Perspex	Standard	Yes
2662MFP	ASM DEK	530	19.6	22.6	58	11	400	Perspex	MFP	Yes
2875	EKRA	400	12.7	19	48	8.5	400	Cardboard	Standard	No
2812MFP	Panasonic	380	20	25	60	10	370	Cardboard	MFP	No
2835MFP	Panasonic	350	38.1	41.1	105	30	350	Cardboard	MFP	No
2838MFP	Panasonic	410	38.1	41.1	105	30	410	Cardboard	MFP	No
2710MFP	Fuji	500	25.4	28.4	60	7.8	500	Cardboard	MFP	Yes
2940MFP	Yamaha	440	25.4	29	82	20	440	Cardboard	MFP	No

QTEK Screen Rolls are available for all machines and custom sizes.

Let us the know the specifications and we will do the rest.

## QTEK MFP® A GAME CHANGER



### QTEK Micro Fine Pitch Screen Cleaning Rolls

QTEK Micro fine pitch stencil clean rolls outperform all other screen rolls in terms of cleaning ability, absorbency and chemistry compatibility. They are expertly designed to boost productivity & yield, minimise defects and reduce manufacturing costs.

#### The Benefits

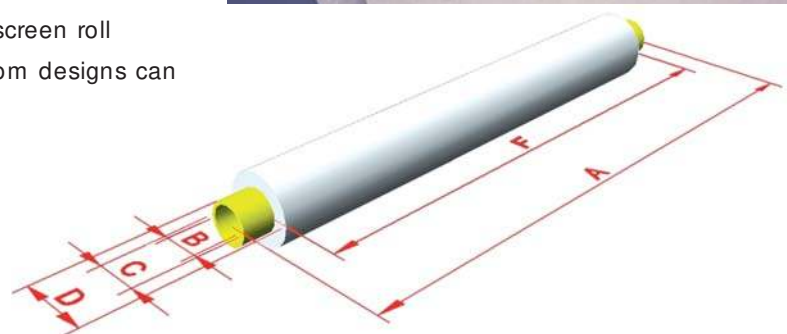
An innovation in screen printer stencil cleaning, Micro-Fine Pitch Stencil clean rolls are made of white, non-woven Polypropylene :

- Vastly reduces chemical solution at point of cleaning compared to other screen rolls
- Fully automated production removes human interaction with the product removing imperfections
- Multi-dimensional texture traps foreign particles
- Enhanced fabric flexibility and softness improves cleaning of solder paste and particles on the stencil
- Snag and abrasion resistant – will not release particles or fibres into the environment
- No binders, surfactants or other chemical additives

#### Take The QTEK Challenge

Witness the improvement in your screen-printing process. Contact us directly or through your local distributor to arrange a sample.

QTEK is approved exclusive converter for Sontara Cleanmaster® wiping fabric for use in underscreen cleaning mechanisms. Sontara Cleanmaster® is a non-woven, extra strength material that has excellent wetting characteristics, which make it ideal for absorbing paste, solvents and adhesives. QTEK is making Sontara Cleanmaster® material available for a variety of stencil printer cleaning units and the specially branded paper is clearly distinguishable from its inferior competitors. A list of current screen roll dimensions may be seen opposite, but custom designs can be made on request.



**Sontara®**  
CleanMaster

Choosing a wipe that is ideally suited to your production needs can be difficult. Manufacturers tend to confuse by focusing on the wipe material, rather than its application. QTEK make the choice simple and effective by introducing their range of wipes, designed for specific production cleaning requirements.



### Stencil Clean Fluid, Wipes and Spray

- Formulated specifically for the removal of stencil contaminants.
- Has a particular affinity for solder paste residue.
- Removes contaminants cleanly and without scouring the stencil surface.
- Odour-free and evaporates quickly to leave surfaces clean and dry.
- Typical uses: Underscreen cleaning, misprinted PCBs, spatulas, printer interiors.
- Available in tubs of 100 pre-saturated wipes (center feed roll), 1Litre spray bottle and 5 Litre fluid containers. Space-saving, 100-Wipe refill packs also available.



Part No.	Description
3210	Stencil Clean Pre-Saturated Wipes (Tub of 100)
3211	Stencil Clean Pre-Saturated Wipes (Refill Pkt. of 100)
6250	Stencil Clean Spray (500ml)
6254	Stencil Clean Spray (1 Litre)
4205	Stencil Clean Fluid (5 Litre)



### Pure IPA Wipes, Fluid and Spray

- 100% Isopropyl alcohol.
- General purpose cleaner that can be used throughout the production process.
- Mixture designed to optimise evaporation time, flammability and deep cleaning.
- Leaves surfaces and items free of contaminates.
- Evaporates quickly without trace after cleaning has been completed.
- Available in tubs of 100 pre-saturated wipes (center feed roll), 1Litre spray bottles and 5Litre fluid containers. Space-saving 100-wipe refill packs also available.



Part No.	Description
3310	Pure IPA Pre-Saturated Wipes (Tub of 100)
3311	Pure IPA Pre-Saturated Wipes (Refill Pkt. of 100)
6350	Pure IPA Spray (500ml)
6354	Pure IPA Spray (1 Litre)
4605	Pure IPA Fluid (5 Litre)



### IPA/DI Fluid, Wipes and Spray

- General purpose cleaner that can be used throughout a production process.
- Evaporates quickly without trace after cleaning has been completed.
- Leaves surfaces and items free of contaminates.
- 70% Isopropyl alcohol, 30% de-ionised water.
- Available in tubs of 100 pre-saturated wipes or 210 wipes (center feed roll), 500ml spray bottle and 1 Litre fluid containers. Space-saving, 100-wipe refill packs also available.



Part No.	Description
3410	IPA/DI Pre-Saturated Wipes (Tub of 100)
3411	IPA/DI Pre-Saturated Wipes (Refill Pkt. of 100)
3412	IPA/DI Pre-Saturated Wipes (Tub of 210)
6450	IPA/DI Spray (500ml)
6454	IPA/DI Spray (1 Litre)
4405	IPA/DI Fluid (5 Litre)

QTEK provide a range of cleaning fluids and wipes saturated with these premium solvents in easy-to-use and unique flip-top containers. Each brand of wipe is impregnated with a chemistry designed for specific industrial cleaning tasks, such as solder paste removal, glass cleaning or bench sterilisation. Also now available are QTEK's spray bottles, containing 500ml of chemistry in a convenient trigger-action container.



**Industrial Hand Clean Wipes**

- Cleans hands quickly and effectively after exposure to industrial dirt and grime.
- Particularly effective on stains such as glues, solders or greases.
- Ideal for use on a production line, reducing the need to leave the line to scrub up.
- Fortified with a citrus scent for a pleasant and fresh odour.
- Hygienic and effective addition to your company's health and safety policy.
- Available in tubs of 100 pre-saturated wipes and 100 wipe refill packs.

Part No.	Description
3720	Industrial Hand Clean Pre-Saturated Wipes (Tub of 100)
3721	Industrial Hand Clean Pre-Saturated Wipes (Refill Pkt. of 100)



**Opti Clean Wipes and Spray**

- Ideal for use on VDU screens, glass components, lenses and inspection/metrology equipment.
- Works quickly and effectively to keep glass/ optical surfaces crystal clear.
- No rinse necessary, perfect for cleaning after final assembly.
- Available in tubs of 100 pre-saturated wipes and 1 Litre spray bottles. 100 wipe refill packs also available.

Part No.	Description
3810	Opti Clean Pre-Saturated Wipes (Tub of 100)
3811	Opti Clean Pre-Saturated Wipes (Refill Pkt. of 100)
6850	Opti Clean Spray (500ml)



**Machine Clean Wipes**

- Cleans parts quickly and effectively after exposure to industrial dirt and grime.
- Particularly effective on stains such as glues, solders or greases.
- Ideal for use on a production line, reducing the need to leave the line to scrub up.
- Fortified with a citrus scent for a pleasant and fresh odour.
- Available in tubs of 100 pre-saturated wipes and 100 wipe refill packs.

Part No.	Description
3910	Machine Clean Pre-Saturated Wipes (Tub of 100)
3911	Machine Clean Pre-Saturated Wipes (Refill Pkt. of 100)

Choosing a wipe that is ideally suited to your production needs can be difficult. Manufacturers tend to confuse by focusing on the wipe material, rather than its application. QTEK make the choice simple and effective by introducing their range of wipes, designed for specific production cleaning requirements.



### Adhesive Remover Fluid, Wipes and Spray

- Removes misprinted adhesives and pastes before they cure and attach themselves to screens or PCBs.
- Strong, yet non-destructive cleaning product, fast evaporating and odour-free.
- Ideal accompaniment to in-line cleaning systems where adhesives are dispensed.
- Available in tubs of 100 pre-saturated wipes, 1 Litre spray bottles and 5 Litre fluid containers. Space-saving, 100-wipe refill packs also available.

Part No.	Description
3110	Adhesive Remover Pre-Saturated Wipes (Tub of 100)
3111	Adhesive Remover Pre-Saturated Wipes (Refill Pkt. of 100)
6150	Adhesive Remover Spray (500ml)
4105	Adhesive Remover Fluid (5 Litre)



### De-Ionised Water

- Deionised water's high resistivity allows it, in highly specialised instances, to be used as a coolant in direct contact with high-voltage electrical equipment.
- Ideal for use where the presence of impurities may be undesirable

Part No.	Description
DIW920	De-Ionised Water Pre-Saturated Wipes (Tub of 100)
DIW921	De-Ionised Water Pre-Saturated Wipes (Refill Pkt. of 100)
DIW905	De-Ionised Water (5 Litre)



### ESD Safe Worktop Clean Wipes and Spray

- Multi-purpose static dissipative cleaner designed to extend the life of ESD mats and work surfaces.
- Easy to use, spray -on or wipe off.
- Contains no alkali or ammonia
- Removes flux, residue, oily marks, grease and others.
- Available in tubs of 100 pre-saturated wipes and 1 Litre spray bottles. 100-wipe refill packs also available.

Part No.	Description
3610	ESD Safe Worktop Clean Pre-Saturated Wipes (Tub of 100)
3611	ESD Safe Worktop Clean Pre-Saturated Wipes (Refill Pkt. of 100)
6654	ESD Safe Worktop Clean Spray (1 Litre)

QTEK's wipes are made from tough, durable material resistant to tearing or disintegration, but which won't scratch or scrape sensitive surfaces. Made from highly absorbent non-woven fabrics for removing spills or misprints, QTEK's range of wipes are low linting and have excellent wetting characteristics. Each QTEK wipe is effective both as a dry wipe and with QTEK cleaning chemistries.



### SMT Wipes

- Ideal as a general purpose cleanroom wipe.
- Ultralow particle generation and chemical extractables.
- Excellent tensile, tear and bursting strengths.
- Superabsorbent non-woven wipe absorbs up to four times its own weight.
- Manufactured using advanced hydro-entanglement technology.
- Cleanroom packed and double bagged.

Part No.	Description	Size	Wipes/Pack
5709	SMT Wipe	225mm x 225mm (9" x 9")	300



### Cleanmaster Wipe Rolls

- Perforated roll wipes for manual cleaning of screen printing stencils.
- Made from industry-leading materials.
- Low linting and very absorbant and Highly effective cleaning properties.
- The rolls can be mounted on bench or wall stands for easy dispensing if required.
- Polyester 45%, Cellulose 55%.
- Manufacturing process in compliance with ISO 9001 quality systems.
- 300 sheets per roll.

Part No.	Description	Wipe Size	Unit
5309	Cleanmaster Wipe Roll	200mm x 260mm	Roll 300
5314	Cleanmaster Wipe Roll	300mm x 350mm	Roll 300



### Multipurpose Wipe Roll Blue

- Perforated roll wipes for manual cleaning in various applications.
- Made from Industry-leading materials.
- Low linting and very absorbent and Highly effective wiping properties.
- Good for cleaning up dirt, grease and oils.
- Suitable for use with a wide range of solvents and cleaning agents.
- Does not contain binders so wont break up.
- The rolls can be mounted on bench or wall stands for easy dispensing if required.
- Polyester 45% , Cellulose 55%
- Manufacturing process in compliance with ISO 9001 Quality systems.
- 500 sheets per roll.

Part No.	Description	Colour	Wipe Size	Unit
5326	Multipurpose Wipe Roll	Blue	380mm x 300mm	Roll 500

## Splicing Procedure



**STEP 1**  
Put SMT Splice Clip into Tape Splicing Tool



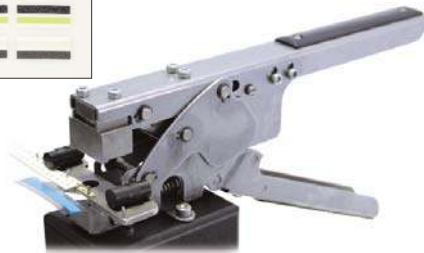
**STEP 2**  
Place new component reel on splice clip



**STEP 3**  
Put depleted reel end into tool, clamp and compress handle of splice tool



**STEP 4**  
Remove backing paper from splice tape and join cover tapes with splice tape



### Tape Splicing Tool

- Used for attaching the end of a depleted reel of components to the beginning of a new reel.
- Avoids unnecessary production stoppages in pick and place machines.
- The tool rivets a brass splice clip to the ends of both reels, creating a strong, durable join.
- Locating pins ensure accurate alignment.
- An adhesive splice tape is then attached to the cover tapes to complete the join.

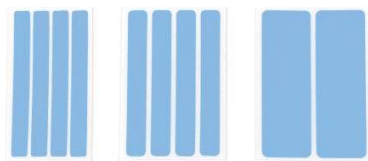
Part No.	Description
TST50	Tape Splicing Tool

### Splice Tape Scissors

Specialised tool which uses locating pins attached to the side of the scissors to guarantee accurate and aligned cutting of component reels each and every time.



Part No.	Description
TSC50	Splice Tape Scissors



### Splice Tapes

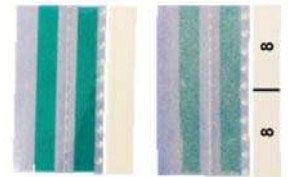
- Join cover tapes of component rolls that have been spliced together with brass splicing clips.
- Precise attachment and alignment at both ends.
- Available in short, ready-for-use lengths.

Part No.	Description	Colour	Width	Unit
SST408	Single Splice Tape	Blue	8mm	4000
SST412	Single Splice Tape	Blue	12mm	4000
SST416	Single Splice Tape	Blue	16mm	4000
SST432	Single Splice Tape	Blue	32mm	1000

Additional sizes & yellow tapes are available upon request

### Samsung Splice Tape

- Double splice tape green with clear backing suitable for Samsung pick and place machines.
- This splice tape is used for jointing carrier tapes in the SMT process.
- Guarantees perfect and reliable joints.
- Joining is accomplished without any tools or fixtures, with precise pitch spacing, using convenient, pre-cut lengths of tape.



Part No.	Description	Width	Unit
DST308	Double Splice Tape - Green	8mm	500
DST312	Double Splice Tape - Green	12mm	500
DST316	Double Splice Tape - Green	16mm	500
DST324	Double Splice Tape - Green	24mm	250



### Double Splice Tape

- Guarantees perfect and reliable joints.
- Joining is accomplished without any tools or fixtures, with precise pitch spacing, using convenient, pre-cut lengths of tape.

Part No.	Description	Width	Unit
DST108	Double Splice Tape	8mm	500
DST112	Double Splice Tape	12mm	500
DST116	Double Splice Tape	16mm	500
DST124	Double Splice Tape	24mm	250

Additional sizes & ESD tapes are available upon request



### Combined Splice Tape & Clip

- Convenient, Labour-saving solution.
- High accuracy connecting with splice tool and easier to manage material.
- Single operation combines both clip and splice tape on the one piece, eliminating the awkward handling problems commonly associated with the splicing process.

Part No.	Description	Width	Unit
CST108	Combined Splice Tape & Clip	8mm	500
CST112	Combined Splice Tape & Clip	12mm	500
CST116	Combined Splice Tape & Clip	16mm	500
CST124	Combined Splice Tape & Clip	24mm	250

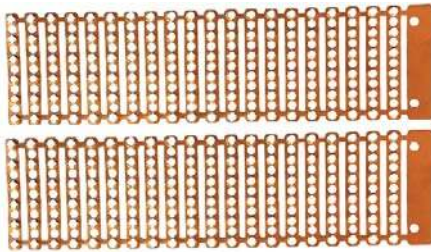
## SMT Splicing Tool

QTEK's SMT Splicing Tool is a specialised tool that is used for attaching the end of a depleted reel of components to the beginning of a new reel. With locating pins that ensure an accurate alignment, the Tape Splicing Tool helps to avoid unnecessary production stoppages. The SMT Splice Frame Clips must be positioned inside the Tool for efficient splicing.



- Rivets a brass clip to the end of both reels
- For use with QTEK's SMT Splice Frame Clips improving efficiency of process
- Avoids unnecessary production stoppages in pick and place machines
- Creates durable joints

Part No.	Description
QTEKTST80	SMT Splicing Tool



## SMT Splice Frame Clips

The QTEK SMT Splice Frame Clips are made up of 20 0.1mm bandoleer splice shims made from phosphor copper. The splice shims are designed to easily pierce through all types of paper and plastic and is used as an accessory for the SMT Splicing Tool

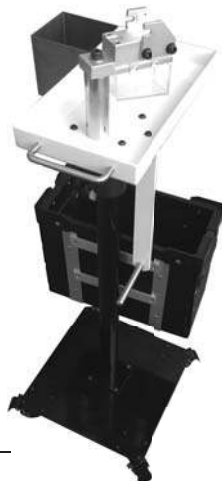
- SMT Splice Frame Clips must be used with QTEK's SMT Splicing Tool
- Good jointing reliability
- For use with larger sized carrier tapes
- Stapler slice clips applicable for carrier tapes of 8 x 72mm
- 20 clips/frame, 25 frames/box, 8 boxes/case, 4,000 clips/case

Part No.	Description	Unit
QTEKTSC375	SMT Splice Frame Clips Case	4000

## SMT Splice Station

- Modular station ensures splicing is made easy and efficient
- Pivoting Splice Tool holder for maximum flexibility
- Suitable for all splice material 8-72mm
- Fitted with lockable wheels
- Tray for storing splicing consumables
- Waste basket installed for easy disposal of waste pieces

Dimensions:  
W:325mm x L:325mm x H:900-1030mm



Part No.	Description
QTEKSS100	SMT Splice Station

## Cover Tape Extender

- Adds an extra 380mm (15") starter to cover tape of pick and place component reels.
- Saves components being wasted or discarded when starting tape through feeder.
- Enables use of tapes in full reels or short sections without loss.
- Strong adhesive bond between extender and original tape ensures they will not separate, even after prolonged time under tension.



Part No.	Description	Width	Unit
CTE108	Tape Extender	8 & 12mm	500
CTE116	Tape Extender	16mm	500
CTE124	Tape Extender	24mm	250

Additional sizes & ESD available upon request



## Panasonic Splice Tape

- Ideal for splicing new reels to old reels, for Panasonic machines equipped with an intelligent feeder.
- Contains a sensor, which records when, and what kind of component reel is loaded.
- Available for all component reel sizes.

Part No.	Description	Colour	Width	Unit
SST508	Panasonic Splice Tape	Black	8mm	1000
SST512	Panasonic Splice Tape	Black	12mm	1000
SST516	Panasonic Splice Tape	Black	16mm	500
SST524	Panasonic Splice Tape	Black	24mm	250



## Tape Extender New PET Type

The QTEK Tape Extender New PET Type cover tape is used for joining carrier tapes in the SMT process. Made of black tapes, soft polyester film and release paper to give superior adhesion

- Peeling-off force (N/25mm) by an angle of 180 degree  $\geq 15$
- Tensile strength (H/25\*25mm) time >100
- One year shelf life

Part No.	Description	Width	Unit
QTEKCTE208	Tape Extender New PET	8mm	500
QTEKCTE212	Tape Extender New PET	12mm	500
QTEKCTE216	Tape Extender New PET	16mm	500
QTEKCTE224	Tape Extender New PET	24mm	250
QTEKCTE232	Tape Extender New PET	32mm	250



## SMD Splice Clips

Used with tape splicing tool to join end of old component reel to beginning of new reel.

Part No.	Description	Unit
TSC475	SMD Splice Clips	4000

QTEK Masking Tape is a polyimide, pressure-sensitive, adhesive tape with silicone resin which shows excellent dielectric insulation properties, high heat resistance and excellent solvent resistance. This makes it ideal for masking gold fingers of printed circuit boards during wave solder or solder dip process. These properties result in a tape with remarkable dimensional stability and excellent electrical and physical properties over a wide range of temperatures.

### Application Ideas

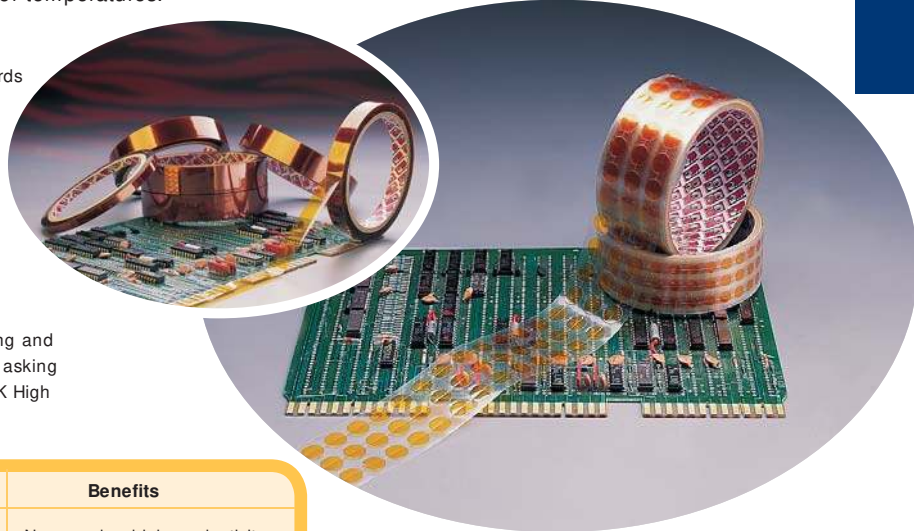
- Masking for protection of gold fingers of printed circuit boards during wave solder or solder dip process.
- Protection for parts cured at elevated temperatures.

### Application Advantages

- Offers optimal performance in electrical and thermal insulation.
- Highly resistant to heat and chemicals
- Puncture and tear resistant at high temperatures.

### High Temperature Dots

QTEK High Temperature Dots are used for solder wave masking and electrical insulation. They are composed of a polyimide film masking dots with silicone adhesive on a clear easy-release liner. QTEK High Temperature Dots are both flame and chemical resistant.



Features	Advantages	Benefits
Polymide Film	Dimensionally stable at high temperatures	No rework – high productivity
	Flame retardant, chemical and radiation resistant	Protects surfaces, helping reduce replacement costs
Silicone Adhesive	High temperature performance reduces adhesive transfer	No cleaning required – helps increases productivity
High adhesive to film bond	Reduces adhesive transfer	No cleaning required – helps increases productivity
ESD Safe	Static dissipative coated back	Eliminates component degradation

QTEK Dots are available in the following sizes

QTEK P/N	Width	Dots per Roll
PD 0605	6mm	1000
PD 0805	8mm	1000
PD 1005	10mm	1000
PD 1205	12mm	1000

### QTEK High Temperature Masking Tape

QTEK P/N	Width	Length
PT 0633	6mm	33mm
PT 0933	9mm	33mm
PT 1233	12mm	33mm
PT 1533	15mm	33mm
PT 1933	19mm	33mm
PT 2533	25mm	33mm

### ESD-Safe High Temperature Masking Tape

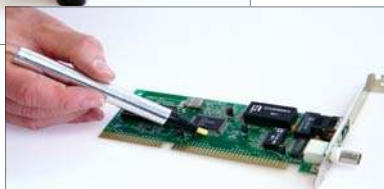
QTEK P/N	Width	Length
PT ESD	4,6,12,19,25,etc	33mm

Additional sizes are available upon request.

### Technical Data

Item	Unit	Property Data	Remark
Structure	-	 Silicon Adhesive Polyimide Film	
Base Film Thickness	µm	25	
Total Thickness	µm	70+2	-
Peel Strength	gf/in	700+50	-
Tensile Strength	kgf/mm <sup>2</sup>	>7	
Elongation	%	>50	
Heat Resistance	-	Good	230°/1hrs Heating Oven
Chemical Resistance	-	Good	20% HCl, Na OH/20hrs
Appearance	-	Good	

## Fluid Dispenser Pens



Part No.	Description
FP 200	Fluid Dispenser Pen, ESD safe, aluminium
FP 202	Acrylic Chisel Nib
FP 204	Acrylic Bullet Nib
FP 206	Acrylic Point Nib
FP 208	Polyester Chisel Nib
FP 300	Fluid Dispensers
FP 302	Replacement Nylon Tip
FP 304	Replacement Felt Tip



# Corporate Overview

QTEK Manufacturing Ltd. is a leading global supplier of consumables for the electronics and associated industries. Our headquarters are in Galway, Ireland and we also have manufacturing sites in Hungary and Mexico.

QTEK has established an extensive network of distributors throughout Europe, Asia and North America, providing a focused range of quality products designed to improve manufacturing efficiencies and guarantee product quality.



## Global Footprint



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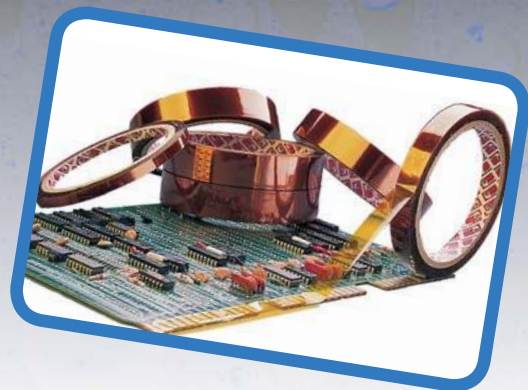
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