



Process Support Products

Consumables Catalogue

Contents

	Page
• Introduction	3-4
• High Performance Under-stencil Cleaning Rolls	5 - 6
• Under-stencil Cleaning Chemistry	7
• Pre-saturated Wipes	8
• ProFlow Accessories	9 - 11
• Board Clamp Accessories	12
• Squeegees	13 - 17
• Speciality Cleaners	18
• Gloves	19
• Dry Wipes	20
• Precision Swabs	21
• Spatulas	22
• Stencil Storage Cabinets	23 - 24
• Nano-ProTek	25
• Filters and belts	26
• Horizon / Galaxy Spares Kits	27 - 28

DEK Process Support Products

Welcome to the DEK Process Support Products consumables catalogue, packed with quality products that will meet all the needs for your process. The Process Support Products portfolio unites DEK's vast understanding of screen printing with our global logistics capability and personalised support infrastructure. DEK delivers the highest quality, process-optimised consumables to your printer, precisely when you need them. As the world's foremost technology developer and applications partner for screen printing processes, we have invested our considerable experience to create the range of products you see here in this catalogue. You don't have to operate DEK printers to specify quality DEK consumables; but if you do, you can now conveniently satisfy all your process requirements from a single source. DEK is a uniquely capable process partner since 1969, we have partnered manufacturing corporations throughout the entire world, to supply and support state of the art pre-placement technology and solutions. We have studied and enhanced the processes, while building our global infrastructure to deliver innovative solutions for modern manufacturing, and to support our growing customer base throughout the world.

DEK's Total Solution

In recent times, DEK has placed growing emphasis on its role as provider of pre-placement solutions, a wider role than building and supplying machines. The inception of the company's precision stencils division was DEK's first overt assertion of its ability to create better non-machine elements than those available from traditional providers. This has been achieved by applying the collective knowledge of its extensive technical teams including product designers, process engineers and applications staff. The company's portfolio of non-machine products has grown steadily, and now includes a broad range of products and technologies to support pre-placement processes everywhere.

The formation of DEK Process Support Products combines established DEK beliefs with radical new approaches to the business realities of the 21st century. The division has evolved as DEK has applied its technical skills as a leading capital equipment innovator to refine wider aspects of the process. After this gestation, which united the elements of screen and stencil manufacture, tooling, cleaning technologies, process consumables, spare parts and machine performance upgrades, the nascent Process Support Products division has now emerged as an important part of DEK's future strategy. It means that each of these specialised disciplines is no longer an add-on to the business but an integral part of the company that will enable it to plan for on-going success. This is the DEK Total Solution.

DEK's focus is the screen printer and the pre-placement process. Here, DEK has total competence, and global presence. The target for the company is to be the first choice supplier of process support products for every screen printer in action today across the world. Whilst pointing out the importance of DEK's global capability, it is also important to stress that the Process Support Products approach is not a "one size fits all" solution. DEK is flexible to satisfy varying local needs. These may be related to product, price or culture, for example, but the company has to be able to respond. The wider aspect is to structure the business in such a way to support that diversity while being capable of partnering on a global basis DEK's largest customers. They too, expect DEK to accommodate their own diversity, and yet deliver extremely consistent service. DEK has fully demonstrated its global capability, and is leveraging this as a starting point to meet the particular needs of its Process Support Products customers.

DEK's Full PSP Portfolio

Consumables

- Consumables including under stencil cleaners and replacement paper rolls, Vortex™, wipes, swabs, cleaners

Engineered Products

- Machine performance upgrades
 - Spare parts
 - Stencils
 - Emulsion screens
 - Machined products (including FormFlex™ tooling, custom tooling)
 - Screen printers
-
- Customer support

For more information contact your local office or visit www.dek.com

Doing business with DEK

Our business values are based on integrity and high ethical standards. This culture runs throughout our organisation, and we see it as an essential part of successful 21st century business conduct. Our global network of international technical centres, sales offices and sales agents throughout Europe, North America and Asia Pacific delivers world-class capability, combined with the advantages of local visibility and response. All DEK centres are ISO9000 qualified, but it is our customer-focused, results-driven approaches to quality that ensure we consistently exceed our customers' expectations.



High Performance Under-stencil Cleaning 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 Under-stencil Cleaning 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

Lint is the chief enemy of PCB's because it blocks screen apertures and prevents gasketing between the screen and the board.

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 tensile strength. This fabric's unique construction increases the drying time for most solvents and cleaning chemicals ensuring that the entire underside 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 Rolls

Suitable for DEK Screen Printers

Standard Roll Length 11m

Order Code	Description	UOM
176215	515mm SMT USC Roll	Each (25 per box)
176216	400mm SMT USC Roll	Each (25 per box)
176217	300mm SMT USC Roll	Each (25 per box)
173826	515mm SMT USC Roll (A/S Over Wrap)	Each
431414	300mm SMT USC Roll – 325mm core (Cyclone)	Each
431524	607mm SMT USC Roll – 620mm core (Long Board Cleaner)	Each

Suitable for MPM 2000, 2500, 3000 & AP Screen Printers

Roll Approx. 12m

Order Code	Description	UOM
173450	440mm SMT USC Roll	Each (25 per box)
173451	320mm SMT USC Roll	Each (25 per box)
173458	546mm SMT USC Roll	Each (25 per box)
178864	443mm SMT USC Roll (44m Length)	Each

Suitable for Panasonic Screen Printers

Roll Approx. 12m

Order Code	Description (25 per box)
173453	350mm SMT USC Roll

Suitable for Ekra E-5 Screen Printers

Roll Approx. 10m

Order Code	Description	UOM
178908	400mm SMT USC Roll	Each (25 per box)
178907	500mm SMT USC Roll	Each (25 per box)



Under-stencil Cleaning Chemistry

DEK Pro and DEK Pro XF

Designed for the under-stencil cleaning application, DEK Pro and Pro XF improve process performance and reduce risks of print defects. They are safer, cleaner, more environmentally friendly than IPA and traditional solvent cleaners and are fully industry compliant.

Health, Safety and Environment

- DEK Pro XF has no flash point
- DEK Pro has high flash point of 67°C (IPA 12° C)
- Safer to use, transport, store and dispose of waste
- Manufactured using biodegradable materials
- DEK Pro XF is low VOC



Reduce Risk of Print Defects

- No impact on thixotropic properties of the solder paste
- Reduce risk of solder slump and solder balling
- Residue-free after evaporation

Compliant and Compatible

- Compatible with Lead-Free and Lead-Rich solder pastes
- RoHs and Reach compliant

Property	DEK Pro Value	DEK Pro XF Value
Formulation	Solvent Based	Water Based
Application	Pure (not diluted)	Pure (not diluted)
Flash Point	67°C	None
Vapour Pressure	3 mbar @ 20°C	20 mbar @ 20°C
Boiling Range	100 – 170°C	80 – 200°C
pH Value	Neutral	Neutral
HMIS Rating	1 – 2 – 0	0 – 0 – 0
Health - Flammability - Reactivity		
Working Temperature	Workroom Temperature	Workroom Temperature
Storage & Transportation	No Special Requirements	No Special Requirements

Order Code	Description	UOM
173483	DEK Pro – 1 Litre	Each
173485	DEK Pro – 5 Litres	Each
431093	DEK Pro – 20 Litres	Each
431513	DEK Pro XF – 1 Litre	Each
431514	DEK Pro XF – 5 Litres	Each

Pre-saturated Wipes

DEK IPA/DI Wipes

Pre-saturated wipes for general cleaning applications.

Cleaning solution comprises 70% Isopropyl Alcohol / 30% De-Ionised Water. Excellent for removal of fluxes, light oils, polar soils and white mineral residue. Features low-residue formulation and rapid evaporation.



DEK Stencil Clean Wipes

Designed for fast, efficient cleaning of surface mount stencils and screening equipment. Non-abrasive fabric, pre-saturated with hydro-treated Naphtha, effectively cleans most commercially available solder pastes and inks. Spill proof container permits non-regulated shipping.

DEK Hand Clean Wipes

A pre-saturated, disposable hand cleaner wipe for use in any environment where cleanliness is required when handling critical components. The citrus scented wipes are easily dispensed and quick drying, with low lint generation.

Order Code	Description	UOM	Box Quantity
115806	IPA/DI Wipes	Per Tub*	6 Tubs
115807	Stencil Clean Wipes	Per Tub*	6 Tubs
115808	Adhesive Remover Wipes	Per Tub*	6 Tubs
115809	Hand Clean Wipes	Per Tub*	6 Tubs
173277	IPA/DI Wipes Refill	Per Pack**	10 Packs
173278	Stencil Clean Wipes Refill	Per Pack**	10 Packs
173279	Adhesive Remover Refill	Per Pack**	10 Packs
173280	Hand Clean Wipes Refill	Per Pack**	10 Packs

*1 tub contains 100 wipes

**1 Pack contains 100 wipes

ProFlow® Accessories

Horizontal Mount ProFlow® System

This is now the default interface, introduced in January 2002. It is a rigid system which reduces any opportunity for movement between print strokes.

Dual Chamber Transfer Heads

This is now the default Transfer Head. Specifically targeted at Pin in Paste Applications, now shown to be suitable for all current ProFlow® applications. Provides a more direct pressure to the print material, improving aperture fill at high speeds. Available in both Cassette and Rechargeable types.

Single Chamber Transfer Heads

The original ProFlow® Transfer Head, has been made available with the Horizontal Mount Interface. This enables customers who are completely happy with current performance and process to use the design they are familiar with. Available in both Cassette and Rechargeable types.

ProFlow® Accessories

Titanium Coated Wipers 200/300 micron stepped thickness

These wipers provide the best compromise between flexibility and wear. The tip is 300 microns thick whilst the rest of the blade is only 200 microns. They will leave a clean topside stencil and have a favourable lifespan when compared to conventional squeegee printing. Recommended for the vast majority of typical SMT products, fine pitch devices and apertures up to 5mm.

Titanium Coated Wipers 300 micron thickness

These wipers are 300 microns thick over the entire width (i.e. no step). This means the blade is more rigid, and hence slightly more system pressure can be delivered if required. Recommended where circumstances dictate that a higher system pressure is required e.g. to improve gasketing between poor quality boards and underside of stencils.

Mylar Wipers

These wipers provide excellent flexibility and hence conform to slight variations in stencil/ board unevenness. This results in very clean stencils, i.e. no paste trailing on topside of stencils. The wear characteristics of this material mean they are not recommended for customers using stainless steel stencils. These wipers are recommended for applications that use plastic stencils (e.g. adhesive printing) or mesh screens (e.g. ink printing).

Ski

Black Silicone with an Etched Virgin PTFE pad bonded to the top using a special vulcanising agent.

Diaphragm

Flexible silicon rubber diaphragm for the Rechargeable Transfer Heads.

O-Ring

Used with any Single Chamber Transfer Head, Cassette Type only.

ProFlow® Accessories

NOTE: Sizes are the print head size

Mylar Wipers Suitable for Plastic Stencils & Emulsion Screens

- Excellent flexibility to conform to slight variations stencil / board
- Recommended for applications:
 - Plastic stencils (e.g. adhesive printing)
 - Mesh screens (e.g. ink printing)



Order Code	Description	Size	UOM
171279	Mylar Wiper	150mm	Pair
137278	Mylar Wiper	300mm	Pair
137504	Mylar Wiper	350mm	Pair
137562	Mylar Wiper	400mm	Pair
137346	Mylar Wiper	450mm	Pair
137780	Mylar Wiper	500mm	Pair

200/300 Micron Titanium Wipers Suitable for Stainless Steel Stencils

- Best compromise for flexibility and wear
- 300 microns (12 thou) tip with the rest of the blade
200 microns (8 thou)
- Recommended for applications:
 - Stainless steel stencils
 - Typical SMT products
 - Fine pitch devices
 - Apertures up to 5mm



Order Code	Description	Size	UOM
171084	200/300 Titanium Wiper	150mm	Pair
137964	200/300 Titanium Wiper	300mm	Pair
137965	200/300 Titanium Wiper	350mm	Pair
137966	200/300 Titanium Wiper	400mm	Pair
137967	200/300 Titanium Wiper	450mm	Pair
137968	200/300 Titanium Wiper	500mm	Pair

300 Micron Titanium Wipers Suitable for Stainless Steel Stencils

- More rigid for more system pressure if required
- 300 microns (12 thou) thickness throughout width
- Recommended for applications:
 - Stainless steel stencils
 - Circumstances for higher system pressure

Order Code	Description	Size	UOM
137929	300 Titanium Wiper	300mm	Pair
137930	300 Titanium Wiper	350mm	Pair
137931	300 Titanium Wiper	400mm	Pair
137932	300 Titanium Wiper	450mm	Pair
137933	300 Titanium Wiper	500mm	Pair

ProFlow® Lead Free Accessories

ProFlow® Lead Free Wipers

- For use with lead free paste
- Chromium (CrN) Plated
- 200 microns (8 Thou) thickness

Order Code	Description (size)	UOM
171553	300mm	Pair
171552	350mm	Pair
171551	400mm	Pair



ProFlow® Accessories

NOTE: Sizes are the print head size

Diaphragm

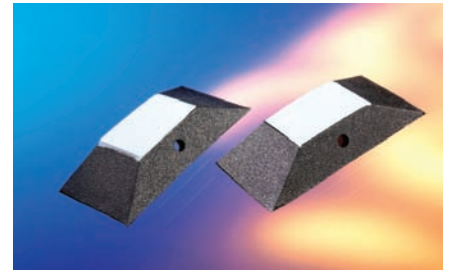
Suitable for Re-chargeable Transfer Heads

Order Code	Description (size)	UOM
171081	150mm Diaphragm	Each
171059	300mm Diaphragm	Each
171058	350mm Diaphragm	Each
171057	400mm Diaphragm	Each
171060	450mm Diaphragm	Each
171061	500mm Diaphragm	Each



Ski

Order Code	Description	UOM
137660	Ski	Each



O-Ring

Order Code	Description	UOM
137635	300mm O-Ring	Each
137652	350mm O-Ring	Each
137655	400mm O-Ring	Each



Board Clamp Accessories

Use board clamps to keep critical boards flat during printing. Quick Fit Board Clamps from DEK are designed for fast changeovers and easy maintenance.

For optimal print results and operational efficiency, board clamps must be in correct adjustment; DEK Quick Fit Board Clamps are easily set-up, with minimal time overhead, by simply replacing the foils and shims as they become worn.

Key benefits of DEK Quick Fit Board Clamps:

- Quick changeover
- Clamp secured by just two flat head screws
- Only foils/shims require replacement when worn
- Reduced costs
- Easily customised

Order Code	Description (size)	UOM
137516	520mm Quick Fit Foils & Shims	Each
135208	380mm Quick Fit Foils & Shims	Each
136106	288mm Quick Fit Replacement Foil	Each
178031	250mm Quick Fit Foils & Shims	Each

Please note these must be ordered in multiples of 2



Squeegees

Squeegee characteristics, such as blade material, flexibility angle of attack and mounting – have an important effect on process control when stencil printing. Matching the squeegee to the application is made easier by DEK's comprehensive range of polyurethane and stainless steel blades, bonded or clamped mounting options, and choice of 45° or 60° angle.

Polyurethane Squeegees

Polyurethane squeegees satisfy single thickness or stepped stencil applications, according to material hardness. Choose harder squeegees, durometer 97 and above, for durable, low abrasion performance with single thickness stencils. DEK squeegees are up to 120 durometer maximum. Step stencil applications may require softer squeegee material; choose polyurethane from 70 to 94 durometer polyurethane squeegees can be reground to maintain a keen edge throughout a lifetime. DEK also utilises polyurethane for PumpPrint squeegees, specially designed for the high-speed application of glue for bottom side chip-attach. Soft polyurethane is also the material of choice for traditional mesh-and-emulsion screen printing applications.



Stainless Steel Squeegees

Lower-cost stainless steel squeegees sustain higher squeegee pressures and are ideal for boards featuring a mix of large and fine pitch components, or where panel flatness cannot be assured. With this wider pressure window, consistency is outstanding and wear is minimal. Stainless steel squeegees should be handled carefully in order to avoid accidental damage.

Bonded/Clamped Squeegees

Mounting options include bonding or clamping.

Clamping allows squeegees to be interchanged easily, enabling adjustment of blade flexibility and durometer to suit the application. Clamping is particularly suitable for use with metal and composite blades. The bonded squeegee assembly guarantees an ultra-straight blade edge when using high durometer polyurethane squeegees. Set up time is also reduced. The bonded assembly allows manufacturers to exploit the advantages of the polyurethane material, including use of a greater paste bead through the enlarged blade face and lower pressure settings resulting from the ground printing edge. This is accompanied by a significant increase in squeegee life.

Polyurethane Squeegees

Polyurethane Bonded Squeegees

Green 70-75 Shore Hardness ~ 45°

Order Code	Size	UOM
SQA248	100 mm	Pair
SQA254	150 mm	Pair
SQA161	170 mm	Pair
SQA167	200 mm	Pair
SQA174	250 mm	Pair
SQA152	300 mm	Pair
SQA185	350 mm	Pair
SQA190	400 mm	Pair
SQA201	440 mm	Pair
SQA210	483 mm	Pair
SQA219	510 mm	Pair
SQA231	535 mm	Pair

Polyurethane Bonded Squeegees

Green 70-75 Shore Hardness ~ 60°

Order Code	Size	UOM
SQA260	100 mm	Pair
SQA266	150 mm	Pair
SQA119	170 mm	Pair
SQA120	200 mm	Pair
SQA139	250 mm	Pair
SQA155	300 mm	Pair
SQA121	350 mm	Pair
SQA196	400 mm	Pair
SQA122	440 mm	Pair
SQA136	483 mm	Pair
SQA225	510 mm	Pair
SQA123	535 mm	Pair

PumpPrint™ Squeegees

Glue printing with DEK PumpPrint™ Stencils

Order Code	Size	UOM
SQA455	170 mm	Pair
SQA456	200 mm	Pair
SQA457	250 mm	Pair
SQA458	300 mm	Pair
SQA459	350 mm	Pair
SQA460	400 mm	Pair
SQA461	440 mm	Pair
SQA462	483 mm	Pair
SQA463	510 mm	Pair
SQA464	535 mm	Pair



Metal Squeegees

45° Metal Clamped Squeegees

Order Code	Size	UOM
SQA350	170 mm	Pair
SQA351	200 mm	Pair
SQA352	250 mm	Pair
SQA353	300 mm	Pair
SQA354	350 mm	Pair
SQA355	400 mm	Pair
SQA356	440 mm	Pair
SQA357	483 mm	Pair
SQA358	510 mm	Pair
SQA359	535 mm	Pair

45° Replacement Blades

Order Code	Size	UOM
133601	170 mm	Each
133602	200 mm	Each
133603	250 mm	Each
133604	300 mm	Each
133605	350 mm	Each
133606	400 mm	Each
133607	440 mm	Each
133608	483 mm	Each
133609	510 mm	Each
133610	535 mm	Each



Metal Clamped Squeegees 60° ~ 6mm Overhang

Order Code	Size	UOM
SQA310	170 mm	Pair
SQA311	200 mm	Pair
SQA312	250 mm	Pair
SQA313	300 mm	Pair
SQA314	350 mm	Pair
SQA315	400 mm	Pair
SQA316	440 mm	Pair
SQA317	483 mm	Pair
SQA318	510 mm	Pair
SQA319	535 mm	Pair

Metal Clamped Squeegees 60° ~ 15mm Overhang

Order Code	Size	UOM
SQA300	170 mm	Pair
SQA301	200 mm	Pair
SQA302	250 mm	Pair
SQA303	300 mm	Pair
SQA304	350 mm	Pair
SQA305	400 mm	Pair
SQA306	440 mm	Pair
SQA307	483 mm	Pair
SQA308	510 mm	Pair
SQA309	535 mm	Pair



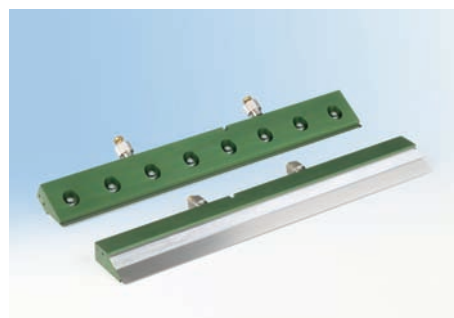
60° Replacement Blades

Order Code	Size	UOM
129924	170 mm	Each
129925	200 mm	Each
133584	250 mm	Each
133585	300 mm	Each
129926	350 mm	Each
133586	400 mm	Each
129927	440 mm	Each
133587	483 mm	Each
133588	510 mm	Each
129928	535 mm	Each

Lead Free Metal Clamped Squeegees 60° ~ 6mm Overhang

- Anodised Green
- Chromium blades (CrN) ~1.5 microns

Order Code	Size	UOM
SQAG311	200mm	Pair
SQAG312	250mm	Pair
SQAG313	300mm	Pair
SQAG314	350mm	Pair
SQAG315	400mm	Pair
SQAG316	440mm	Pair



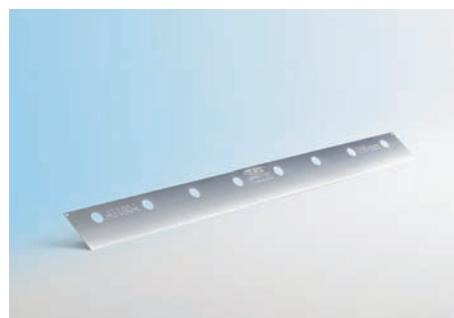
Lead Free Metal Clamped Squeegees 60° ~ 15mm Overhang

- Anodised Green
- Chromium blades (CrN) ~1.5 microns

Order Code	Size	UOM
SQAG301	200mm	Pair
SQAG302	250mm	Pair
SQAG303	300mm	Pair
SQAG304	350mm	Pair
SQAG305	400mm	Pair
SQAG306	440mm	Pair

Lead Free Replacement Blades

Order Code	Size	UOM
431001	200mm	Each
431002	250mm	Each
431003	300mm	Each
431004	350mm	Each
431005	400mm	Each
431006	440mm	Each



Speciality Cleaners

DEK SMT Stencil Cleaner

A powerful and versatile, non-corrosive and residue-free cleaner suitable for stencils, webbing, frames and misprinted boards. Hybrid formulation blends safe and non-flammable water-based ingredients with aggressive long-chain alcohol solvents. Low odour.

Applications:

- Solder pastes, epoxies and inks
- Manual cleaning
- Automated under stencil wipes
- Unheated ultrasonic cleaning systems
- Cold dip tanks
- Safe on all metals, synthetics, plastics & elastomers



Order Code	Description
173009	SMT Stencil Cleaner - 470ml (12oz) Standard Case Quantity 10
173042	SMT Stencil Cleaner 4 Litres (1 US Gallon) Refill

DEK Reflow Oven Cleaner

High performance mix of water, alkaloids and long-chain alcohols to remove burned-on fluxes and residues. Uses residual oven heat to boost cleaning power, reducing cleaning times by 50% and avoiding flux curing. Non-flammable, quick drying and ozone-safe.

Applications:

- Wave soldering machines
- Reflow ovens
- Pick & place systems
- Metal pallets
- Heating elements
- Baffles & clamps
- Chains, pulleys, drive gears & housings



Order Code	Description
173012	Reflow Oven Cleaner 470ml (340g/12oz) Standard Case Quantity 10
173045	Reflow Oven Cleaner 4 Litres (1 US Gallon) Refill

Gloves

Latex Gloves

Powder-Free Polymer Coated Latex Gloves combine economical single use protection from most acids and bases with comfort and flexibility. The proprietary Miracle Grip polymer coating offers a significantly enhanced wet/dry grip with excellent sensitivity.



Features & Benefits:

- Comfort, tactile sensitivity & ergonomic fit
- Dons easily, minimises skin-latex contact
- Maximises grip – wet or dry
- Enhances grip & dexterity
- Resists roll down
- Maximum versatility
- Meets recognised tests and regulatory requirements

Order Code	Description	UOM
173015	9" Polymer Coated Latex Glove/Small	Bag 100
173016	9" Polymer Coated Latex Glove/Medium	Bag 100
173017	9" Polymer Coated Latex Glove/Large	Bag 100
173018	9" Polymer Coated Latex Glove/X Large	Bag 100

Powder-Free Blue Nitrile Gloves

The affordable choice for consistency, performance and reliability. State-of-the-art manufacturing facilities and formulation ensure a tough, durable glove, free of objectionable chemical odours and harsh, irritating deodorants. Stronger than either comparable latex or PVC/vinyl gloves, blue nitriles afford excellent protection from a wide range of chemicals for splash or intermittent contact.

Textured palms and fingers offer exceptional wet or dry grip. Available in 9" lengths, in four hand sizes from small to extra-large for a complete range of protection.

Features & Benefits:

- Pure 100% nitrile polymer. Absolutely no natural rubber latex proteins
- Medical grade for top performance
- Comfortable - flexible silky feel eliminates the tiring, constant hand pressure of latex gloves
- Rugged – three times more puncture resistant than vinyl or natural rubber latex gloves of equal thickness
- Economical – outperforms PVC and latex for reduced overall glove consumption

Order Code	Description	UOM
173019	9" Powder Free Blue Nitrile Glove/Small	Box 100
173020	9" Powder Free Blue Nitrile Glove/Medium	Box 100
173021	9" Powder Free Blue Nitrile Glove/Large	Box 100
173022	9" Powder Free Blue Nitrile Glove/X Large	Box 100

Dry Wipes

High Purity Precision Cleaning Wipes

DEK wipes feature Non-woven and Polyester technologies to maximise effectiveness and prevent contamination. They are designed, manufactured and packaged with precision, to serve various cleaning and maintenance requirements.

DEK Non-woven material wipes are made from a unique blend of cellulose and polyester that provide maximum absorbency, low particle generation characteristics and an affordable price. Most of the DEK Non-woven Wipes are packaged in a cleanroom for use in Class 100 applications.



DEK Polyester material wipes are perfect for clean room applications – including optical work. The wipes are pre-cut and packaged in a clean room for use in Class 10 environments. Polyester wipes are superior for better scrubbing capability with no lint or extractables left behind.

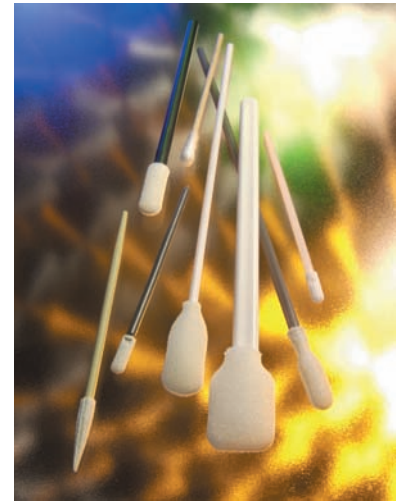
For the best results, use only the highest quality wipes - tested and approved by DEK.

Order Code	Description	UOM
115825	Wipes, Med Absorb, Poly Blend (15 x15 cm)	Bag 50
115826	Wipes, Med Absorb, Poly Blend (23 x 23cm)	Bag 300
115829	Wipes, Quilted Absorb (20 x 20cm)	Bag 100
115832	Wipes, Optical Cleanroom Poly (23 x 23cm)	Bag 150
115833	Wipes, Coarsepoly, Cleanroom (23 x 23cm)	Bag 150
431088R	Cleanroom Dry Wipes (23 X 23cm / 9" X 9")	Bag 150

Precision Swabs

DEK Precision Swabs are designed, manufactured and packaged to provide high quality, economical solutions for various cleaning and maintenance requirements in SMT applications, cleanroom applications, and anywhere that cleaning is directly related to accuracy.

We have carefully selected a variety of materials to meet a range of cost and performance requirements. Most feature swab tips that are heat sealed on to the handles to avoid contamination and material compatibility issues associated with many adhesives. The handles are either man-made or natural materials selected to provide the best flexibility and durability.



These high quality swabs are tested and approved by DEK, to deliver the best possible results.

Order Code	Description	UOM
115840	Swab, Foam LG. PDLE. HD 16 x 25mm, L-13cm	Bag 50
115841	Swab, Foam SLM - HD 12 x 25mm, L-12cm	Bag 50
115842	Swab, Foam NRW - HD 4 x 12mm, L- 9cm	Bag 50
115843	Swab, Foam MED - HD 6 x 19mm, L- 11cm	Bag 50
115846	Swab, Cot Wood Handle SM HD 4x12mm L-14cm	Bag 1000
115850	Swab, Laundered Poly, SM HD 2x12mm, L-7cm	Bag 50
431415	Cleanroom Foam Swab, ESD Handle	Bag 25
431416	Cleanroom Foam Swab, ESD Handle	Bag 100

Spatulas

Polypropylene – shatterproof and flexible

Available in three versions:

- White for standard production purposes
- Lead Free Green
- Anti-Static Black



Order Code	Description	UOM
173737	White Spatula	Bag of 5
173788	Green Spatula	Bag of 5
173825	Black ESD Spatula	Bag of 5

Stencil Storage Cabinets

Stencils are a valuable commodity. Storing stencils correctly will protect your investment and prolong their usable life and make them easier to access. For this reason, DEK has now developed a range of special stencil cabinets. We have designed a mobile working station in order to further increase productivity on your production line. Use these security and organisation packages for your production.

- Safe storage to increase life expectancy of your stencils - Save on overheads
- Retrieve items quickly - Save valuable time
- Mobile at the production line - Speed up your production
- Intelligent storage systems - Optimise workflow and save valuable space

VectorGuard™ Cabinet

- Ideal storage for 96 VectorGuard™ stencils
- Special stainless steel runner for guiding stencils safely and conveniently
- Runner can be adapted to the size of the stencil, a multi-purpose storage solution in the top bar in the 260 sizes
- Runner with numbering system for retrieving items quickly and safe storage
- A practical drawer for all consumables and printing tools, such as e.g. squeegees
- Doors can be ordered as an optional extra

Size in mm VG Cabinet 260/265: 2000 H x 1000 W x 620 D

Part No. Excl. Doors: 431190

Part No. Incl. Doors: 431180

Size in mm VG Cabinet 265: 2000 H x 1000 W x 765 D

Part No. Excl. Doors: 431191

Part No. Incl. Doors: 431181

VectorGuard™ Tower Cabinet

- Includes practical hanging runner to store away items quickly and keep items safe
- Holds 100 stencils
- For all common stencil sizes
- Stencil size 260 x 260 (23 x 23 inch)
- Stencil size 260 x 265 (23 x 29 inch)
- Stencil size 265 x 265 (29 x 29 inch)

Size in mm VG Tower Cabinet: 2000 H x 1000 W x 765 D

Part No.: 431183

Mobile Cabinet

- Storage: 50 hanging stencils
- Stencil size 260 x 260 (23 x 23 inch)
- Mobile with brakes on wheels and lockable doors
- Cabinet height kept low so that the production line is completely visible at all times

Size in mm Mobile Cabinet: 1010 H x 1000 W x 620 D

Part No.: 431184



VectorGuard™ Working Station

- Swift change of VectorGuard™ stencils directly on the production line with anti-static ESD wheels
- Frame brackets on both cabinet sides for the VectorGuard™ frames
- Lockable anti-static wheels
- Lockable drawers in three different sizes and versatile arrangement eg.:
Drawer 1: Spatulas, cleaning wipes and swabs, shift plan/reports
Drawer 2: Magnet pins, Grid-Lok(r), board clamps, squeegee blades
Drawer 3: Cleaning media, precision wipes, Dedicated tooling

Size in mm VG Working Station: 928 H x 600 W x 750 D

Part No.: 431188

Mounted Stencils or Emulsion Screens

- Flexible storage solution for mesh mounted stencils and emulsion screens in different sizes. It is also possible to hang up VectorGuard™ stencils in it
- Robust stainless steel working surface for manual clean of stencils, squeegee and spatulas with different cleaning substances
- Multi functional storage solution with drawer, adjustable panel below the drawer and squeegee bracket holder to store also consumables and squeegees
- Antistatic lockable rolls and doors for an easy transportation through the production.
- Option 20 stencil/screen storage (no drawer/shelf)

Size in mm Cabinet: 1048 H x 1153 W x 808 D

Part No.: 431256



Nano-ProTek

Nano-ProTek is a fluxophobic stencil coating technology that delivers high performance stencils in a cost-effective wipe. Designed to overcome the challenges of smaller aperture sizes, the technology offers a unique solution to increase cleaning effectiveness and reduce cleaning frequency.



- **Increased Process Control**
 - Reduces the ability of solder paste to smear or bridge on underside of the stencil
 - Improves the efficiency of the USC to clean the stencil
 - Improved paste release after delay between prints
 - Greater first pass yield
- **Increases Efficiency**
 - Increased throughput by reducing the frequency of cleaning
 - Increased throughput by reduced operator intervention to replenish consumables, less downtime
- **Reduces Cost**
 - Less cleaning means less USC fabric and chemistry usage
 - Improved Yield means less rework/repair
 - Environmentally friendly – less disposable of consumable items
- Forms a permanent bond; can be reapplied since it will only stick to uncovered areas
- REACH compliant
- Compatible with stainless steel or nickel stencils
- One pouch will coat one stencil up to a 29" x 29"

Order Code	Description	UOM
431990	Nano-ProTek	Box 10 pouches



Filters and Belts

VF 25 Kit

Part Number	Item
165520	Transport Belts (Anti-Static)
185935	Print Carriage drive belt
188681	Camera Y Drive belt
188682	Camera X Drive belt
173102	Filter Pack VF25

VF 35 Kit

Part Number	Item
165520	Transport Belts (Anti-Static)
185935	Print Carriage drive belt
188681	Camera Y Drive belt
188682	Camera X Drive belt
173373	Filter Pack VF35

Horizon Spares Kits

Level One Horizon series spares kit

Part Number	Item
191650	Fork Sensor 4W
185020	Assy PCB Nextmove E.S. Interface
160330	Two-handed safety relay
188962	Motor Servo Print Carriage
202949	Motor Servo Camera X
185311	PSU COSEL 600W 48V Switched M
185312	PSU COSEL 450W Multi O/P RC4-M
195155	Up and running calibrations guide

Level Two Horizon series spares kit

Part Number	Item
193409	Controller PCB Next Move ES
143544	E-Stop - PNOZ
185512	Dual Stepper EMC Compliant
185003	Motor Servo Camera Y
191492	Motor Servo Rising Table
190721	Disk CD/ DVD RW Slimline Laptop Internal
181174	Rail Width Stepper Motor.
146111(205790)	Solvent pump blue cleaner (New type with fixings)
190729	Hard Drive ROHS



Galaxy Spares Kit

Level One Galaxy spares kit

Part Number	Item
191650	Fork Sensor 4W
193409	Controller PCB Next Move ES
143544	E-Stop - PNOZ
185512	Dual Stepper EMC Compliant
185020	Assy PCB Nextmove E.S. Interface
160330	Two-handed safety relay
188962	Motor Servo Print Carriage
183664	Camera X Forcer
183773	Camera Y Forcer
191492	Motor Servo Rising Table
190721	Disk CD ROM Slimline Laptop Internal
187308	Fire wire cable
185311	PSU COSEL 600W 48V Switched M
185312	PSU COSEL 450W Multi O/P RC4-M

