



### Leading the world standard of Cleanroom consumables

Under the KM product lines, KM provides a total solution for all kinds of cleanroom(each Grade) consumables with quality and service.

### Technical Support(R&D center)

This Center was founded July, 2001  
The KM Research Institute has developed various products against the contamination.

**Business Area**  
C/R consulting & C/R House keeping  
Analysis(Test Method ; IEST-RP, ASTM, ISO JIS, KS)



### Global Standard

- ISO 9001 : 2015
- ISO 13485 : 2016(EN ISO 13485:2016)
- ISO 14001 : 2015
- ISO 14644-1 : 2015 & 14644-3 : 2019
- ISO 45001 : 2018

### KM Global Network & Factories



Leading the world standard of cleanroom consumables & Safety



### Right Solutions From Operator To Environment

Category	Product	ISO Class					
		3	4	5	6	7	8
Gloves	Latex		○	○			
	Nitrile		○	○			
	Seamless	○	○	○			
Wipers	Sealed-Edge Dry Wiper	○	○	○			
	Sealed-Border Dry Wiper	○	○	○			
	Double-Knit Sealed-Edge Dry Wiper	○	○	○			
	Micro-Poly Sealed-Edge Dry Wiper	○	○	○			
	Micro-Denier Dry Wiper	○	○	○			
	Nonwoven Spunlace Pre-wetted Wiper			○	○	○	○
Garments	Nonwoven Meltblown Pre-wetted Wiper			○	○	○	○
	Standard Coverall		○	○			
	Nanomax MX	○	○	○	○		
	Gown			○	○		
	Under Wear	○	○	○	○		
	Cap & Hood	○	○	○	○		
	Accessory	○	○	○	○		
	PU Shoes		○	○	○	○	○
	PVC Shoes		○	○	○	○	○
	Boots		○	○	○	○	○
ESG products	NEO AIR Safety Shoes & Boots	○	○	○	○	○	○
	Nanomax RC	○	○	○	○		
	Nanomax RC Inner wear	○	○	○	○		
	Recycle polyester wiper	○	○	○			



Knowhow Makes

## Knowhow Makes Right Solution Against Contamination

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## WIPERS



### KM Polyester wiper

KM Polyester wiper is manufactured in Cleanroom and uses various cutting methods so that it can be used in the high class of the clean room.

#### Material

- 100% polyester

#### Cutting Method

- Thermal / Ultra-sonic cutting are available
- Sealed border type is available
- Customized size of the wiper

#### Available Cleanroom class

- ISO 3, 4, 5

#### Model (Sterilization is available)

- WW-30XX series (Thermal cutting)
- KM-40XX series (Ultra-sonic cutting)
- WW-55XX series (Sterilized wiper)
- Double knit wiper (High absorption ability)
- Pre-wetted wiper

### KM Non-woven wiper

KM Non-woven Wipers have exceptional wiping ability. With 'Spunlace' technology, cellulose and polyester are entangled by high pressure water jet into a sheet structure. This process makes wipers strong on either wet or dry condition, and friendly to aqueous wiping application, attracting much water in the wiper.

#### Material

- Polyester + Cellulose

#### Available Cleanroom class

- ISO 5

#### Model (Sterilization is available)

- WW-21XX series (Normal type, White)
- WW-22XX series (Normal type, Blue)
- WW-65XX series (Sterilized version)



INDUSTRIES	
Semiconductor	Pharmaceutical
Medical Device	Hospital
Laboratory	Industrial
TFT LCD	BLU
Microelectronics	Cleanroom



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## PACKAGING



### KM Perpak®

The Perpak® Steam easy-tear bag is designed for the sterilization of various types of raw materials, packaging materials, equipment, and more used in the pharmaceutical, medical device industry, research laboratories, and experiments.

Perpak® produces it in a Cleanroom environment that meets the international standard ISO 11607 for medical sterilization packaging, adhering to strict quality control standards. Made from the globally recognized sterilization material, DuPont™ Tyvek®, it is suitable for domestic sterilization permits and international quality standard certifications



The illustration above depicts an enlarged view of Tyvek®'s distinctive structure. This structure creates a convoluted path for lateral movement of substances, enabling exceptional microbial barrier properties. Proof of Tyvek®'s suitability as a packaging material compliant with ISO 11607-1:2006/Amd.1:2014 can be obtained from [www.MedicalPackaging.DuPont.com](http://www.MedicalPackaging.DuPont.com).

### Wide Range of Applications

- Various raw materials for the pharmaceutical /medical device industries
- Manufacturing facilities and equipment for the pharmaceutical/medical device industries
- Stainless steel equipment for research labs, experiments, and manufacturing processes
- Materials for syringes (syringe components)
- Medical devices
- Vials and container
- Various finishing materials for pharmaceutical/ medical devices (stoppers and closures)

### Compatibility with Various Sterilization Methods

- Steam Sterilization
- Ethylene Oxide (ETO)
- Sterilization Hydrogen
- Peroxide Sterilization
- Gamma Irradiation
- Sterilization Electron-beam Sterilization

#### Size by product

	Outer Size (mm)	Inner Size (mm)	Pcs/ Pack
Perpak® easy-tear 01	200 x 300	185 x 250	100
Perpak® easy-tear 02	200 x 430	185 x 290	100
Perpak® easy-tear 03	320 x 450	305 x 400	100
Perpak® easy-tear 04	400 x 500	385 x 450	100
Perpak® easy-tear 05	400 x 550	385 x 500	100
Perpak® easy-tear 06	500 x 650	485 x 600	100
Perpak® easy-tear 07	720 x 810	705 x 760	50
Perpak® easy-tear 08	1200 x 1200	1185 x 1150	25

## MOP & BUCKET



### KM Purist MOP Sterile / Non-Sterile

Purist MOPs are specifically designed to be used in tightly controlled environment. The Purist MOP Handle is made of Aluminium & Nylon and is available for Autoclave, Gamma to sterilize.

It is designed with a design that can be closely attached to the floor surface.

By minimizing the weight of the handle and frame, anyone can easily clean the wall and ceiling.

### Purist Mop Refill has excellent absorbency

Purist MOP Refill is available for Autoclave, Gamma to sterilize and is suitable for use in pharmaceutical/bio cleanrooms and cleanrooms.

It is made of 100% polyester, and particles and lint are minimized so that it can be used from ISO3 to ISO7.

Absorption is maximized by using non-woven fabric, and a wider area can be cleaned.

### Purist MOP Bucket is easy to move and store

The Purist Bucket is made of SUS 304, which means It's highly resistant to contamination and abrasion.

It also has durable urethane casters and is designed to be compatible with Purist MOP Handle.

The dehydration function has been developed to adjust the absorption amount of the Purist MOP Refill.



## KM GARMENTS



### KM Nanomax Coverall

Nanomax Dust-free garment applied with functional PU resin has excellent feelings of wearing and comfortableness because of high air permeability and water vapor permeability.

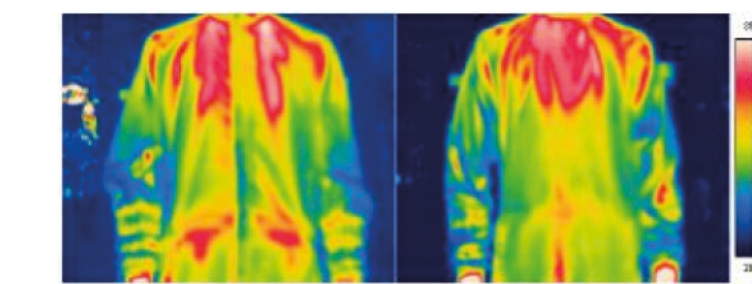
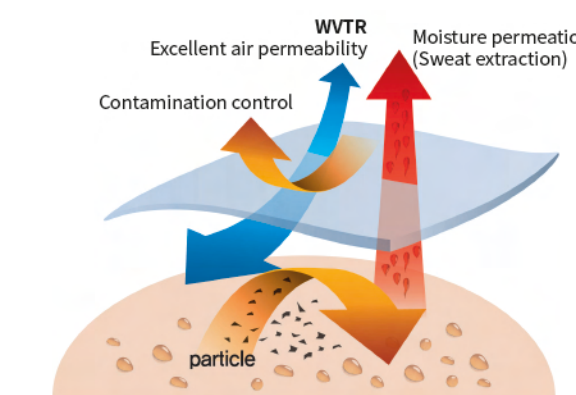


### More lighter, More comfortable, More functional

Property	Nanomax	Regular garment
Collection Efficiency	≤50%	≤20%
Weight	280g(L size)	530g(L size)
Air permeability	> 1.0 cm <sup>3</sup> /cm <sup>2</sup> /s	> 1.5 cm <sup>3</sup> /cm <sup>2</sup> /s

### Characteristics

- Control the 0.1µm size of Fume & Mist
- Low weight can reduce a fatigue (82g/yd)
- Excellent permeability for pleasant feeling while working
- Functional PU coating for above 80% filter efficiency against particles
- Superior static control using Japanese Kanebo conductive fiber
- Possible to print a Logo or Name tag on garment



MD Check

Nanomax MX-CII