



Only from Texwipe

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The result of
more than
four decades
of innovation in
cleanroom wipers,
Vertex is the new
standard for
contamination
control.

Cleanroom Wipers

Vertex™

The Next Level of Clean™

Vertex™
Cleanroom Wipers

Revolutionary

What is Vertex™?

Untouched.

People are the greatest source of contamination in the cleanroom. We don't do this intentionally, it's simply a byproduct of the environment in which we live and our bodies sloughing off cells. **By removing people from the manufacturing process**, Texwipe has engineered a new level of clean which can't be touched... by us or the competition.

No People.

From start to finish, this HandsFree system isolates the wiper material from human contact. Texwipe's proprietary Roll2Bag™ technology allows the wipers to be cleaned, sealed, inspected, stacked and packaged — from the originating fabric roll to the bag — without any human intervention. **No people, no hands, no added risk of contamination.**

Consistency.

Vertex guarantees that we produce highly consistent wipers time after time. No variation in particulates or fibers, just the highest level of assurance that you will receive a **highly consistent wiper, time after time.**

Flexible.

Vertex wipers were specifically developed with an **ability to perform** over a wide range of applications and settings. We offer a variety of fabrics in both 9"x9" and 12"x12" sizes, along with a selection pre-wetted wipers, all of which are available in sterile form.



Texwipe®
An ITW Company



Fully Automated



Cleaning



Sealing



Inspection



Stacking



Packaging

Fully Automated

No People. No Hands.

People represent the greatest source of contamination risk in any cleanroom environment. While gowning protocols can attempt to manage this risk, the only guaranteed method is to remove people from the process.

Texwipe set an audacious goal several years ago — to create a system capable of manufacturing wipers without any human intervention. After many years of research and development, Vertex is born.

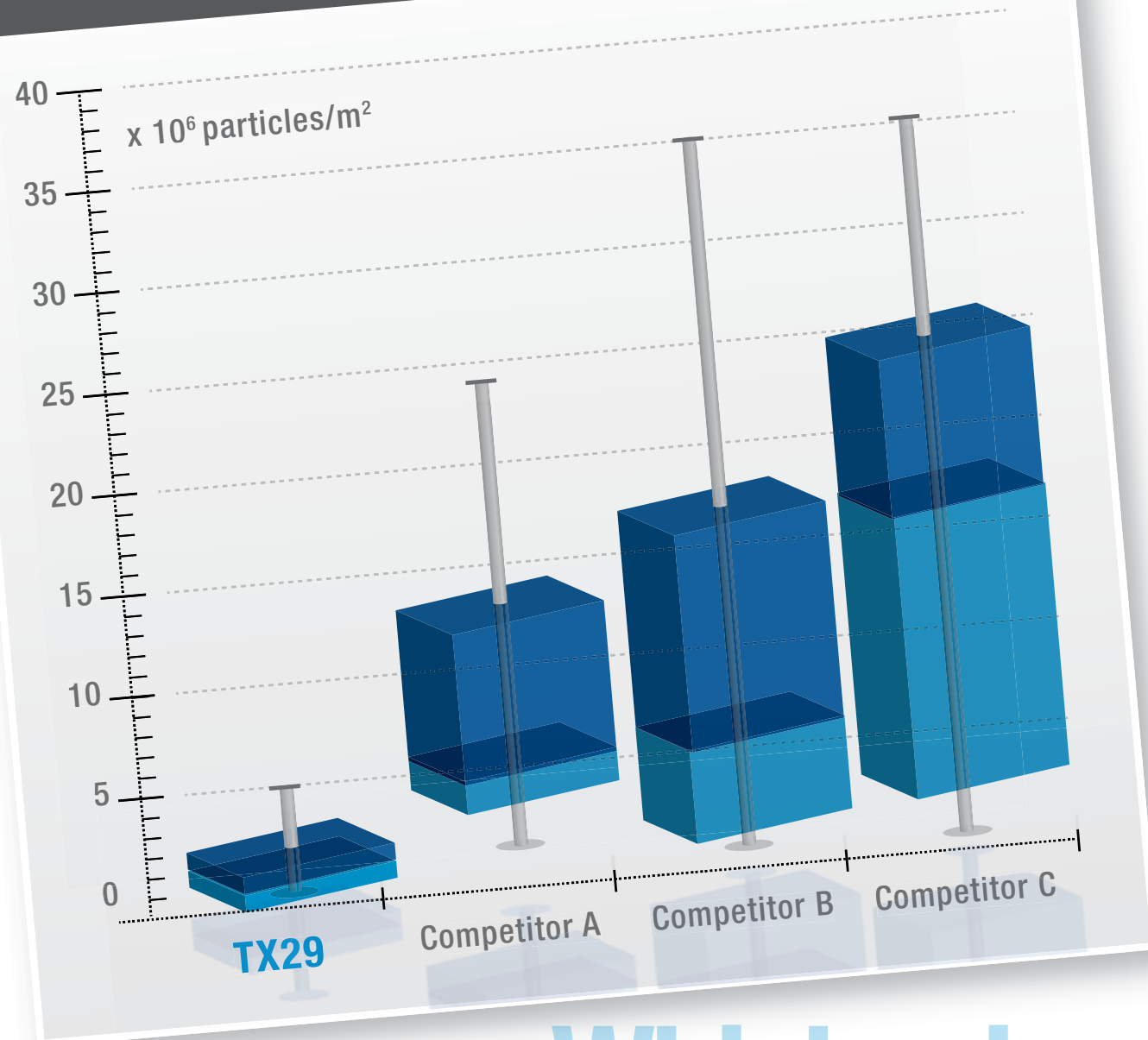
Vertex is the only wiper made using a fully-automated process, each and every step.

The Vertex process begins with a quality-assured fabric roll placed into a specially-engineered spooling module. The machine takes over from here and automatically feeds the roll through a rigorous, innovative cleaning cycle, precision sealing, high-resolution inspection, stacking and automated packaging of the wipers into their final bag. This **fully-automated Roll2BagTM technology** means nobody touches or handles a Vertex wiper until it is used by you. **Only from Texwipe.**

VertexTM Automated Cycles

Process	Technology
Cleaning	New, proprietary technology advanced through decades of Texwipe innovation
Sealing	Precision cutting to effectively seal any particulate burden from the edges
Inspection	High resolution image analysis on both faces and all four edges
Stacking	New, proprietary technology which automates a manual and cumbersome process in conventional laundry
Packaging	New, HandsFree TM technology to remove sources of contamination

ASTM E2090 0.5 - 5 μm Product Comparison



Which wiper
will you use today?

Vertex[™]
Cleanroom Wipers

Not Just Clean, Consistent Clean[™]

Enhancing Clean.

Almost anyone can produce a cleanroom wiper in a conventional laundry with excellent test performance and contamination data – ONE TIME. But Texwipe is driven to excellence EVERY TIME, repeatedly and reproducibly.

In your cleanroom, every wiper matters. You cannot accept undue variation in the cleanliness among the wipers in the bag, or over time. And the only way to achieve this wiper uniformity is to remove human intervention. That's why Texwipe invests heavily in its commitment to automation. The Vertex[™] system, with its fully automated processing creates **highly consistent wipers — bag after bag, lot after lot, time after time.**

Wiper After Wiper.

In the Vertex process, each step is monitored in real-time (and under tight specification controls using SPC). This “on-the-spot” assurance enables Texwipe to deliver **consistently clean wipers time after time.** Vertex is reproducible and consistently clean.

All Wipers Are Not Created Equal.

Measuring all of your wipers by a single test result on a randomly selected wiper is inadequate and risky. Wipers in the same bag can vary significantly in test results. Your critical cleaning application demands that every wiper perform exactly like every other, yet that is rarely true – until Vertex.

All Vertex wipers come with Consistency Charts, demonstrating consistent manufacturing at the cleanliness levels claimed. Unlike our competitors, Vertex data doesn't just apply to one randomly-selected wiper, it reflects to **every** wiper, **every** bag, **every** lot, over an extended period of time.

Consistent
Clean[™]

Texwipe[®]
An ITW Company

No Intruders in Your Cleanroom

Lowest Risk of Microbial Contamination

Human Microbiome.

People naturally carry a variety of microbial contamination with them into a cleanroom environment. The human microbiome contains millions of bacteria, viruses and fungi that, when transmitted, could completely devastate product lots or even whole manufacturing facilities. **Keeping external microbial exposure to a minimum is business-critical in any cleanroom.**







No People.

By eliminating the human element, Vertex has **eliminated the primary source of microbial contamination risk**. Rest assured that with a Vertex wiper, your cleanroom stands a much better chance of remaining exactly the way it was meant to be - at the highest level of clean. The chance of importing bioburden into your cleanroom through your wiper are now reduced to a minimum.

Regular Testing.

Texwipe is so committed to minimizing microbial contamination that we regularly perform Agar Overlay and LAL testing on **all our Vertex wipers**. We offer you the lowest risk of cytotoxic leachables and endotoxins of any cleanroom wiper.

Product
Safety

The Vertex Family of Wipers						
	TX20 Series	TX40 Series	TX50 Series	Sterile TX3040 Series	Sterile TX3050 Series	Pre-Wetted
Key Critical Performance	High Durability	High Sorption	Microdenier	Sterile High Sorption	Sterile Microdenier	Optimal Wetness Levels
Description	Designed to provide the most suitable combination of sorption capacity and maximum abrasion resistance, ideal for use on surfaces with sharp edges.	This wiper's unique design provides a very soft feel and high sorptive capacity. The TX40 series wipers are versatile and capable of high performance in a variety of demanding applications.	The TX59 yarn has four times the number of filaments and twice the surface area, increasing wiping efficiency and creating the soft hand. TX59 does not leave behind a barrier layer and is able to capture more particles within the fiber bundle.	Ideal for your most demanding cleaning application in aseptic suites, this wiper's unique design provides a very soft feel and high sorptive capacity.	The TX3050 series yarn has four times the number of filaments and twice the surface area, increasing wiping efficiency and creating the soft hand. The wipers do not leave behind a barrier layer and remove disinfectant residue more effectively than standard knit wipers.	Overly saturated wipers can leave behind a pool of contaminants and insufficiently saturated wipers can perform poorly. Vertex™ Prewet Wipers are pre-wetted to just the right level suitable for most applications.
Material	100% polyester double-knit	100% polyester double-knit	100% polyester double-knit microdenier	100% polyester double-knit	100% polyester double-knit microdenier	Wetted with USP-Grade IPA
Sizes	9" x 9" 12" x 12"	9" x 9" 12" x 12"	9" x 9"	9" x 9" 12" x 12"	9" x 9" 12" x 12"	9" x 9" 12" x 12"
Pre-wetted	-	Yes	-	Yes	-	n/a
Made in USA	✓	✓	✓	✓	✓	✓
Wipers Available	TX22 TX29	TX42 TX49 TX42P TX49P	TX59	TX3042 TX3049 TX3042P TX3049P	TX3052 TX3059	TX42P TX49P TX3042P TX3049P

Frequently Asked Questions

What is the Vertex environment?

The working environment is ISO Class 3 in operation.

Is Vertex environmentally friendly?

Yes, a traditional cleanroom is at least 1,000 square feet in size, while Vertex is nearly ten times smaller. Vertex can produce a bag of wipers in 1/20th the time a traditional cleanroom cleaning process takes. The significantly reduced and fast processing translates into reduced water and energy consumption.

Why Vertex wipers?

The Vertex process produces not only the cleanest wipers but the most consistent as well. It is one thing to have an occasional super-clean wipe, but it is another to produce it time-after-time, day-after-day. Vertex —not just clean, Consistent Clean.™

How does Vertex make such a consistent wiper?

Vertex monitors and controls all critical parts of the wiper manufacturing process so that there is no variation in the process, wiper after wiper, bag after bag, lot after lot. No variation equals product consistency.

Is Vertex based on new technology?

Yes, Vertex is the result of decades of Texwipe innovation. Texwipe has always been the innovator in the cleanroom wiper industry. Texwipe created the cleanroom wiper industry, established test standards, introduced the first polyester wiper, the sealed border, the Vectra manufacturing process and now Vertex, The Next Level of Clean.

Are there many wipers from Vertex?

Vertex offers an array of wipers — non-sterile, sterile, pre-wetted, and different size configurations and in a variety of fabric substrates that are specifically engineered for your most demanding applications.

What is a Consistency Chart?

The Consistency Chart (also known as a Box and Whisker Chart) is visual way of understanding the variation of a process. Lower medians, smaller boxes and shorter whiskers make for a cleaner and more consistent wiper.



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