



# NanoSeptic.<sup>®</sup> The New Clean<sup>™</sup>

Creating cleaner, healthier places to live, work and play  
using nanotechnology-powered, self-cleaning surfaces.



Center for Applied Innovation, LLC  
214 Terrebonne Road  
Yorktown, Virginia 23692  
(757) 869-6770  
BobM@caihq.com  
www.caihq.com



NanoTouch<sup>®</sup> products are PATENT PENDING. NanoTouch<sup>®</sup> and NanoSeptic<sup>®</sup> are registered trademarks of NanoTouch Materials, LLC.

# NanoSeptic surfaces are always on! Working

NanoSeptic® skins and mats turn dirty, high traffic touch points...like door handles and countertops...into continuously self-cleaning surfaces. Engineered with a proprietary blend of material science, nanotechnology and green chemistry, NanoSeptic® surfaces don't contribute to antimicrobial resistance and are free of toxins, heavy metals, and diluted poisons. And it's about more than creating cleaner environments. It's a new "visible" clean which delivers a feeling of safety and security at every touch point.



## NanoSeptic® Peel-and-Stick Skins for Facility Touch Points and Fixed Applications

provide a self-cleaning touch point for door push pads, push bars, handle wraps, desktop skins, or even grocery cart handle wraps.

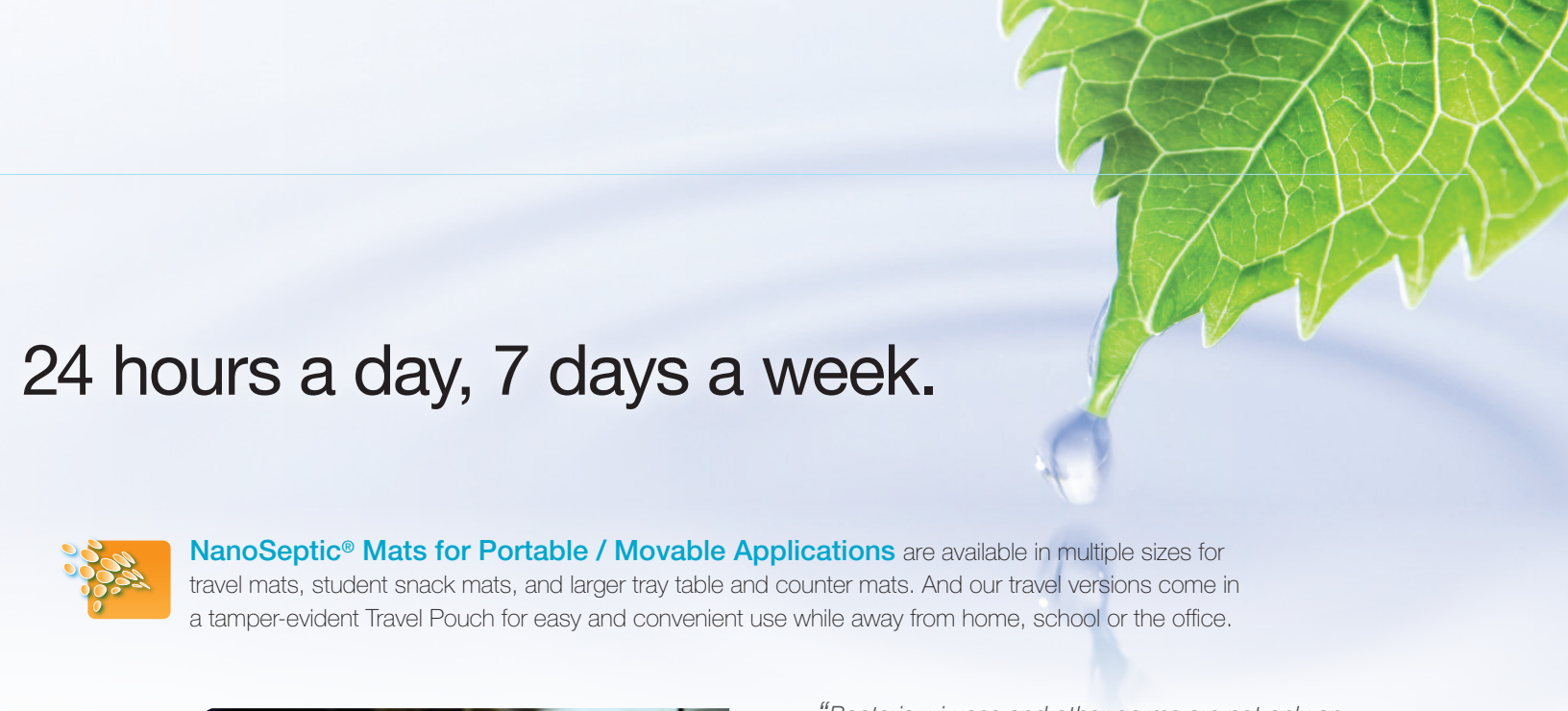


*Pictured: Push Bar, Door Push Pad, Handle Wrap, Film for Touchscreens, Slip-On Door Handle Sleeve, and Elevator Button Covers*

*"I remember how impressed I was when I saw NanoSeptic® surfaces. I wanted our patients to be just as impressed with our practices. From the front entry doors to the reception counter to the exam rooms, we want to deliver the cleanest, healthiest patient experience possible."*

– **Dr. Tom Eppes**, Chair Elect of the American Medical Association's Integrated Physician Practice Section





# 24 hours a day, 7 days a week.



**NanoSeptic® Mats for Portable / Movable Applications** are available in multiple sizes for travel mats, student snack mats, and larger tray table and counter mats. And our travel versions come in a tamper-evident Travel Pouch for easy and convenient use while away from home, school or the office.



Narrow Window Counter Mat

*“The reality is that touchpoints, especially door handles, become contaminated right after cleaning. The next touch, sneeze or toilet flush deposits contaminants that can actually multiply over time. These Nanoseptic sleeves work continuously, in between routine cleanings, greatly increasing the cleanliness of the door handles our employees and Tribal Members touch.”*

– **Jess Baidwan**  
MESCE, Division Head  
Environmental Services for  
the Southern Ute Tribe and  
I.C.E (ISSA Certification Expert)

*“Bacteria, viruses and other germs are not only an ongoing threat, but a growing concern for the public. For this reason, anything we can do in the medical community to help in this fight is a good thing. There’s no one fix. We need many tools. NanoSeptic® surfaces work in concert with disinfectants, cleaners, hand sanitizers and other methods for creating cleaner environments. It’s a great, new addition to the tools we have at our disposal.”*

– **Dr. Michael Miller**  
Surgeon, Commonwealth Oral & Facial Surgery

Reusable  
Tissue Box  
Cover



Large Travel Mat

## Applications by Industry

All NanoSeptic® products can be purchased in their generic form or branded specifically for your business or organization.

**Healthcare, Senior Care and Dental:** Improve patient experience with touch points throughout public areas including door handles, counter mats, patient and exam room mats, and over-the-bed tray table mats. Travel mats can be sent home with patients, extending your brand and mission outside your facility.

**Hospitality and Travel:** Hotels, cruise lines and resorts can provide travel mats in the room and sell travel kits in the lobby store. Touch points throughout the public areas including doors and reception desk counter mats.



Place Mat for Kids

### Education and Day Care:

Touch points in public areas. Desk mats for students and teachers. Snack mats for students. Travel kits for sale as a unique fundraising opportunity.

### Janitorial and Facilities

**Management:** Branded touch points installed and maintained by maintenance

staff as part of cleaning for wellness rather than simply appearance.

**Fitness and Food Service:** A perfect fit for our continuously self-cleaning surfaces.

*"The soft silicone sleeves are a breeze to install, and the blue tint provides a visible indication of which handles are self-cleaning. This gives our employees and patients a sense of safety and security because they can actually see the cleaner places to touch, and that helps to improve patient experience"*

– **Shawn Crawford**, CEO of CVFP Medical Group



## Product List

### Facility Touch Points

- Door Push Pad
- Push Bar Skin
- Handle Wraps (Multiple Sizes)
- Slip-On Door Handle Sleeves

### Portable Mats

- Large Travel Mat
- Small Travel Mat
- Place Mat for Kids
- Jumbo Desk/Place Mat

### Specialty Products

- Counter Mat with Window Pocket
- Mouse Pad
- Reusable Tissue Box Cover
- Cell/ Defense for Mobile Devices
- Film for Touchscreens
- Elevator Button Covers



Small Travel Mat



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## NanoSeptic and COVID-19

### **What are NanoSeptic Self-Cleaning Surfaces?**

We've taken an approach that uses technology rather than toxins. Namely, NanoTechnology. So think in terms of nanocrystals (50,000 to 100,000 the smaller than a human hair). Our NanoSeptic Surfaces oxidize any organic contaminant. And to restate the note above - we do so without the use of hazardous chemicals or toxins. Essentially what happens is any normal indoor light (fluorescent, incandescent, or LED) or outdoor light (UV) energizes nanocrystals on the surface which results in an oxidation reaction. This oxidation effect breaks down all organic contaminants. The self-cleaning action starts working immediately and works 24/7 for up to three months on items like door handles, elevator buttons, touchscreens, counters, etc. So ... it's not a one time action, it's a continuous action. These "Facility TouchPoints" should be replaced once a quarter (every 90 days).

### **What NanoSeptic is NOT?**

NanoSeptic is NOT a Medical Device, Pharmaceutical, or Wound Dressing. NanoSeptic is NOT an EPA Registered product ... Why? ... EPA registered disinfectants and sanitizers are required to be EPA registered because they contain chemicals/ingredients that are regulated and classified as Pesticides. It took us two years, but we are proud to let folks like you know NanoSeptic Self-Cleaning Surfaces do NOT use any toxins or hazardous chemicals. And yet, while we're proud of that fact, current government regulations prohibit us from making public health claims.

### **And of note ...**

And the visible component of our products should NOT be understated. People not only like knowing the safer places to touch because they can see them, they appreciate those in charge (commercial or government) implementing NanoSeptic in their facilities. It results in a known (market researched) "Halo" effect. Meaning: when they see NanoSeptic, they assume the rest of the building is actually cleaner than those without NanoSeptic. This is likely why so many Federal, State, and Local Government agencies, as well as major commercial companies like LinkedIn, Amazon, Google, Kimberly Clark, Credit Suisse, Ritz-Carlton, Trump Properties in NY, medical colleges, healthcare facilities, schools, over 15 Federal Reserve Banks, 6 international Pharmaceutical companies, and dozens of Fortune 300 companies, use NanoSeptic.

## Media Coverage

Please find links below to national media coverage that actually show NanoSeptic products in use and including comment from healthcare professionals on use in their facilities:

The link below has LU College of Osteopathic Medicine weighing in:

[WDBJ7 \(CBS\)](#)

The link below has Dr. Eppes weighing in:

[WSET13 \(ABC\)](#)

The link below is about the NanoSeptic TSA Security Bins

[Fox8 News](#)



Self-Cleaning Surfaces  
**nanoSeptic®**

PRODUCTS

## Travel Mats and Placemats

### Small Travel Kit

Small travel mat comes in a tamper-evident, reusable pouch. Great for use on hotel vanity, airplane tray table, or anywhere you want a cleaner place to rest personal items like a toothbrush, medications, jewelry or even snacks while traveling. Mat can be imprinted with your logo.

TK03  
Size: 6" x 9"



*(Mat shown in pouch)*

### Large Travel Kit

Large travel mat comes in a tamper-evident, reusable pouch. Great for use on hotel vanity, airplane tray table, or anywhere you want a cleaner place to rest personal items like a toothbrush, medications, jewelry or even snacks while traveling. Mat can be imprinted with your logo.

TK04  
Size: 9" x 12"



*(Mat shown in pouch)*

### Desk Mat / Placemat

This mat is perfect for education or daycare settings. No more using laminated sheets to rest snacks or supplies on. This self-cleaning mat is durable and should last an entire school year. Mat can be imprinted with your logo.

SM01  
Size: 9" x 12"



SK01  
Mat in a tamper-evident reusable pouch.

### Large Desk Mat / Placemat

Want a larger placemat? We've got you covered. This large self-cleaning mat is perfect for desks, cafeterias, and board rooms. Mat can be imprinted with your logo.

DM01  
Size: 12" x 18"





## Counter Mats

### Standard and Narrow Counter Mats with Window Pocket

This ultra durable mat is perfect for counters, desks, reception areas and even physician exam rooms. The built-in pocket allows you the flexibility to customize content by changing out inserts tailored to fit your specific need. Insert a calendar, educational material, or a timely promotion. Features a clear frost front with rubber back.

**CM03**  
Size: 11" x 17"

**CM04**  
Size: 7" x 17"



## Security Bin Mat

### Security Bin Mat and Handle Wraps

Going through security checkpoints means putting shoes and other dirty items in the same bin with things like phones, eye glasses and keys. Now those bins can be significantly cleaner. Mats can be branded and made in custom sizes. Perfect for airports, nuclear facilities, government buildings and other secure facilities. (Bin not included.)

**SBM01**  
Size: 12<sup>1</sup>/<sub>8</sub>" x 16<sup>7</sup>/<sub>8</sub>"  
(other sizes available)  
**SBW01** Size: 4" x 3<sup>5</sup>/<sub>8</sub>"  
(Minimum order of 100)



## Elevator Button Covers

### Elevator Button Covers

These clear plastic button covers turn high-traffic public elevator buttons into continuously self-cleaning surfaces. Just peel and stick. Sold in sheets of 25 buttons. Includes NanoSeptic label to inform people that the buttons are self-cleaning.

**ELEV01**  
Size: 0.9" dia.  
(25 pack)



## Touchscreen Film

### Clear Film for Touchscreens

From restaurant checkout to hospital and airline kiosks, this NanoSeptic film turns any touchscreen into a continuously self-cleaning surface. Low tack adhesive provides a more secure installation than traditional static cling. Can be cut to fit any size screen. The touchscreen shown has a label identifying the screen as a NanoSeptic surface. This label is included in all clear film orders.

**FILM01**  
Size: 12"x18"

**FILM02**  
Size: 9"x12"



Note: This film is intentionally 99% clear. It may have small bubbles after installing. This will not affect the operation of the touchscreen.

## Facility Touch Point Skins\* - 25 per Pack



### Wide Door Push Bar

Great for horizontal tubular push bars or square push bars on self-locking doors.

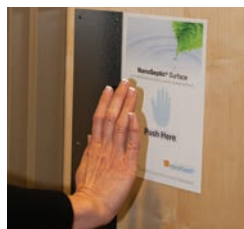
PB05 Size: 3.6" x 12"

PB02 Size: 4" x 18"

### Door Push/Pull Handle Wrap

This medium size skin can be used on lots of different touch points, but it's perfect for the square push plates and square pull handles on many glass doors.

PB06  
Size: 4" x 9"



### Door Push Pad

Durable and easy to apply and replace, just peel and stick. Perfect for any push door used in bathrooms, locker rooms, cafeterias, or on other high traffic entry/exit doors.

PP01  
Size: 6" x 9"



### Door Handle Wrap

Super pliable to wrap around tubular door pull handles. These wraps come in two sizes to fit most uniform door handles. Can also be easily trimmed to fit smaller handles.

HW01 Size: 4" x 6"  
Fits 1" to 1.25" dia. handles

HW02 Size: 3" x 4"  
Fits less than 1" dia. handles

## Door Handle Sleeves - 20 per Pack



### Slip-On Door Handle Sleeves

These self-cleaning sleeves are perfect for ADA door handles which are required in most commercial buildings and schools. They last 90 days and are easy to install and remove. Just spray door handle with a little Windex and they slide right on.

SL01  
Size: 4" length  
Custom sizes available.



\*Facility Touch Point Skins are available in two designs: Green Leaf (pictured) or Brushed Aluminum.





Self-Cleaning Surfaces

**nanoSeptic®**

PRODUCTS

## Starter Kits and Sample Kits

### Facility Starter Kit

The perfect introduction to NanoSeptic surfaces and a great starter kit for small businesses or a sales tool for Janitorial and Facility management.

Kit includes:

- (1) Mouse Pad
- (2) 4" x 6" Handle Wraps
- (2) 4" x 9" Push Bars
- (2) 6" x 9" Push Pads
- (2) 3.6" x 12" Push Bars
- (1) Tissue Box Cover
- General Brochure
- Product Brochure
- Full-Color Rigid Mailing Envelope

Kit products are packaged in an unsealed full-color rigid mailing envelope (pictured) for use with USPS, UPS or FedEx.



FSK01

### Full Sample Kit

Want to have samples of our products all in one convenient package? Our full sample kit is perfect. See our online store for kit contents.



SAMPLE01

### Facility Touch Point Sample Kit

This kit has samples of 3 different sizes of self-cleaning touch point skins for facilities.

Kit includes:

- (1) 4" x 6" Handle Wrap
- (1) 4" x 9" Push Bar
- (1) 6" x 9" Push Pad
- General Brochure



SAMPLE02

Various kit variations are available upon request. Contact us for further information.

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## PRODUCTS

### Specialty Products

#### Mouse Pad

This mouse pad is printed on a rigid, super durable NanoSeptic surface with non-slip rubber backing. A perfect mouse pad for home, office or school settings.



**MP01**  
Size: 7" x 10"  
**MSRP \$9.95**

#### TV Channel Guide

Talk about a surface that's touched by most guests and is never cleaned. The NanoSeptic channel guide has room for more than 100 channels and is printed on both sides.



**CG01**  
Size: 4" x 9"  
**MSRP \$3.95**

#### NanoSeptic Tissue Box Cover

This continuously self-cleaning NanoSeptic cover protects your tissue box. Features a water-resistant surface that can be wiped down. Ships flat, assembles with simple tab locks. Does not include tissue box or tissues.



**TBC02**  
Size: 9 1/8" x 2 3/16" x 4 7/8"  
(Fits standard rectangular 100 sheet tissue boxes)  
**MSRP \$9.95**

#### Cellf Defense

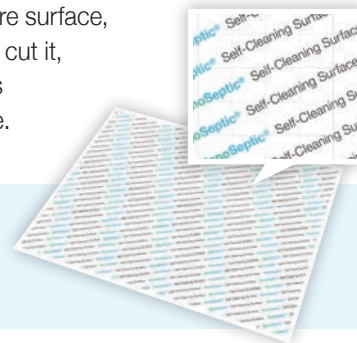
Great for any phone, tablet or electronic device, these NanoSeptic self-cleaning feet stay clean and keep devices off of dirty surfaces. They are easy to apply – simply peel and stick to the four corners of your device.



**CD01**

#### Jumbo Sheet

This jumbo sheet is perfect for custom applications where you want to cut your own size peel-and-stick touch points. Grid lines at 1/2" and 1" make measuring and cutting custom size skins easy. And "NanoSeptic Self-Cleaning Surface" is repeated over the entire surface, so no matter how you cut it, the surface will always communicate its value.



**SH01**  
Size: 12" x 18"

### Add Custom Logo Imprint

- Facility touch points, travel mats and place mats: 100 minimum, \$150 design setup charge
- Facility touch points, travel mats and place mats: 250 minimum, no design setup charge
- Counter mats, mouse pads and tissue box covers: 250 minimum, \$150 design setup charge
- Counter mats, mouse pads and tissue box covers: 500 minimum, no design setup charge



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# Visual Guide to Self-Cleaning Touchpoints

Where to use NanoSeptic® facility touchpoints in office buildings, physician and dental offices, schools and other facilities.

**Elevator Buttons**  
Clear peel and stick button covers



**Mouse Pads**  
Individual desks, computer labs, hotel business centers and checkin kiosks



**Tissue Box Covers**  
Self-cleaning covers for your current tissue boxes



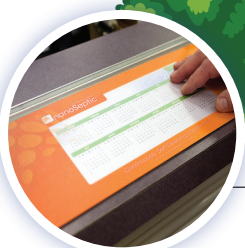
**Placemats**  
Conference room, break room and dining facilities



**Self-Cleaning Film for Touchscreens**  
Kiosks, computer screens, order entry screens and restaurant checkout



**Counter Mats**  
Reception counters, bank teller counters, patient rooms and over the bed tray tables



**Interior Door Handles**  
Slip-on sleeves for lever type door handles



**Entry/Exit Door Handles**  
Peel and stick skins for pull handles and push plates



**Entry/Exit Door Handles**  
Peel and stick skins for pull handles and push plates



**Restroom Doors**  
Peel and stick push pads and skins for doors and handles



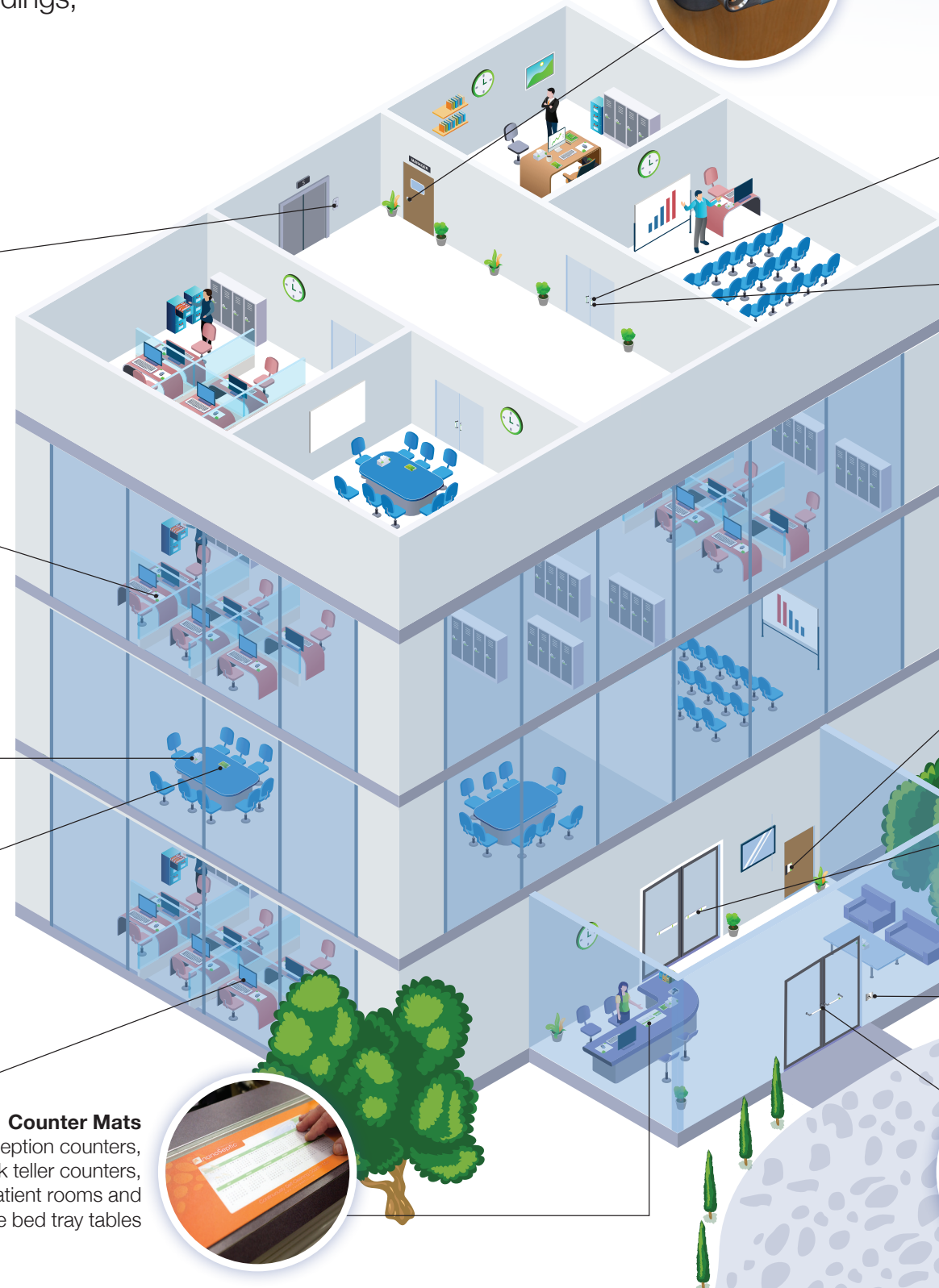
**Entry/Exit Door Handles**  
Peel and stick skins for push bars and pull handles



**Automatic Door Push Button**  
Peel and stick skins for automatic door push buttons



**Entry/Exit Door Handles**  
Peel and stick skins for self-locking doors





CASE  
STUDY



# MARKET RESEARCH REPORT

## Traveler Perceptions of Self-Cleaning Surfaces



**PROJECT PARTICIPANTS**  
NanoTouch Materials, Akron-Canton Airport  
and Western Reserve Hospital



## CASE STUDY



## Background



In early 2016, the Customer Service Manager of the Akron Canton Airport contacted NanoTouch Materials with interest in using self-cleaning surfaces.

After discussing several ways that self-cleaning surfaces could be deployed in the airport, the decision was made to start with the TSA security bins. This was identified as a problem area since people were being asked to place their shoes in the bins, many times after recently walking outside, on restroom floors, and on other dirty surfaces. Other travelers would then place personal items like glasses, wallets and phones in the same bins where those dirty shoes had rested.

After more than a year of testing for durability and the ability of the nanotechnology to provide the self-cleaning action without interfering with security screening equipment, the bin mats and handle skins were approved for use. On August 29th, 2017 Akron-Canton became the

first airport in the world to deploy self-cleaning surfaces for travelers. Because increased cleanliness supported community health initiatives, Western Reserve Hospital agreed to sponsor the cost of the NanoSeptic mats and skins for this project.



## CASE STUDY



# The Participants



### NanoTouch Materials

NanoTouch Materials is the first and only manufacturer of NanoSeptic continuously self-cleaning surfaces. The NanoSeptic surface uses a mineral nano-crystal which is powered by visible light to create an oxidation reaction stronger than bleach. All NanoSeptic products are made in the USA, along with a research and development lab, funded by a \$2 million grant, which is constantly developing new products and applications in an effort to provide cleaner, healthier (less chemicals and poisons) places in which to live, work and play. And this mission is being embraced worldwide with the help of distributors in 30 countries. NanoTouch is out to create, not just a clean world, but a self-cleaning world! More information is available at [nanoseptic.com](http://nanoseptic.com).



### Montage Marketing

Montage Marketing specializes in experiential marketing and market research. Utilizing consumer and market data to identify passion points and points of influence, Montage delivers a clear understanding of the marketplace and consumer behavior. More information is available at [montagemarketinggroup.com](http://montagemarketinggroup.com).



### Akron-Canton Airport

Akron-Canton Airport serves over 1.4 million travelers per year, offering nonstop service to 14 destinations and one-stop access to the globe aboard four exceptional airline partners. More information is available at [akroncantonairport.com](http://akroncantonairport.com).



### Western Reserve Hospital

Western Reserve Hospital is an advanced community hospital, dedicated to exceptional patient care and excellence in healthcare services, as well as education, community outreach and the overall wellness of Cuyahoga Falls and the surrounding areas. Owned and operated by physicians in the community, Western Reserve has a staff of more than 1,000. More information is available at [westernreservehospital.org](http://westernreservehospital.org).

## CASE STUDY



## The Research

**NanoTouch Materials provided 300 security bins along with the mats and handle skins which went into use at 6:00 .a.m. on the morning of August 29th.** This time and date was chosen to maximize exposure to a combination of business and leisure travelers throughout the day. Montage Marketing, out of Bethesda, MD, was onsite to conduct the market research due to their specialty in experiential marketing. The desire was to capture the thoughts and reactions of travelers both before entering the security area and after completing the security screening.

152 travelers submitted survey answers and another 35 agreed to a more lengthy interview with the on-site ethnographer.

In a separate survey session, almost 1200 respondents were polled about cleanliness and hygiene in public facilities including travel and hospitality.



## The Results

**88%** of travelers said that their perception of a business was positively impacted by the use of NanoSeptic surfaces.

**64%** of travelers indicated they would select a business (airport, airline, hotel, cruise) which uses NanoSeptic self-cleaning surfaces over one that does not. This became an overriding theme in the research data. Because the surfaces were visible and communicated what they did, travelers felt safer and more secure with their travel environment. The result was a more positive perception of the airport and TSA.

**83%** of travelers would not put their personal items directly on a hotel bathroom vanity or put food and personal items on an airplane tray table. If forced to do so, almost 50% of travelers would take action to clean those surfaces themselves using wipes or hand sanitizer as a cleaning agent.

**52%** of respondents expressed an interest in purchasing a portable self-cleaning surface to use in their travels after seeing the surfaces in TSA security. This presents a revenue opportunity for travel & hospitality business which can sell portable products. Hotels and cruises can sell this type of travel accessory in their gift shops, and airport retailers now have a new category of travel product to offer.

**63%** of respondents rated hotels as the number 1 type of facility which concerned them when it came to cleanliness.

**35%** of respondents were self-proclaimed germaphobes.



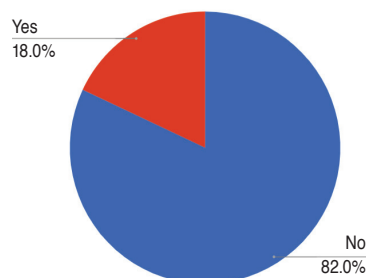
## CASE STUDY

# Data Dispels Business Assumptions

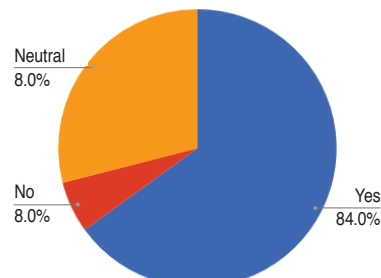
**81%** of travelers indicated that they were concerned about the cleanliness of public surfaces. This result extended even to businesses that made cleaning a priority. This indicates a lack of consumer trust that could only be overcome by visible or tangible efforts...seeing is believing.

In fact **46%** of responses showed that travelers believed hotels were not clean. This was regardless of brand or cost, and goes against the belief in the hospitality industry that cleaning efforts need to be hidden or else the traveler will think the hotel is dirty. What's more, the use of visible self-cleaning surfaces produced a halo effect on consumers. They assumed that the business or facility was cleaner overall just by seeing a self-cleaning surface. What's more, an overwhelming **71%** perceived the hotel that uses new technology to be cleaner.

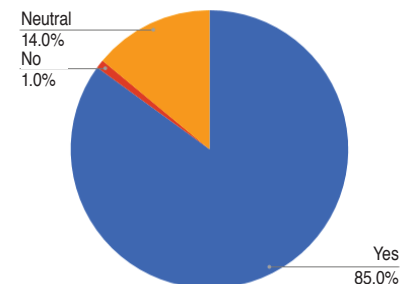
**Q. Would you put food or personal items on travel surfaces such as airplane tray table or hotel bathroom vanity?**



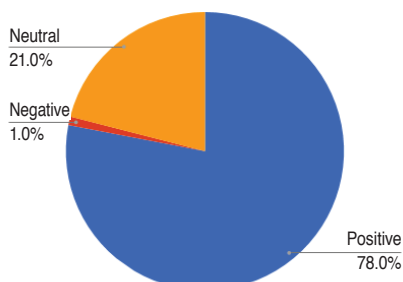
**Q. Would you select a business based on their use of self-cleaning surfaces?**



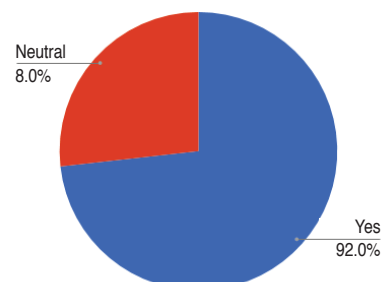
**Q. Do you believe the rest of the facility is cleaner because you saw self-cleaning surfaces (halo effect)?**



**Q. How did self-cleaning surfaces impact your perception of the business or facility?**



**Q. Would you be interested in purchasing a portable self-cleaning surface?**



**Q. If provided a travel mat in a hotel room, would you take that mat with you wherever you traveled?**

