

Whole-Room Decontamination
For Retail Environments

NEOSAN
SYSTEMS®



Built-in, Automated, Touchless Solutions



NEOSAN SYSTEMS®

**We engineer and install the world's
most effective decontamination systems.**

What makes us the best?

1 TOUCHLESS AUTOMATION

During 15-minute treatment cycles, an accurate concentration of aerosol dry mist decontaminates air and surfaces, reliably achieving 100% coverage.

2 UNPARALLED EFFICACY

Up to 8-log bioburden reduction eliminates 99.999999% of bacteria, viruses, fungi, and mold. Chemical toxins and odors are neutralized and broken into nontoxic, biodegradable components.

3 COST SAVINGS

Affordable upfront costs and lower operational expenses recoup initial investment in approximately twelve months.



Eliminating Toxic Problems In Retail Environments

AIR & SURFACE DECONTAMINATION

Minimize health risks associated with bacteria, viruses, mold, fungi, and chemical toxins such as formaldehyde and VOCs.

COVERAGE Reliably achieve 100% coverage of air and surfaces with a 10 micron dry mist aerosol, reaching areas that wipes, vapor, and UV light can't.

EFFICACY Effectively eliminate up to 99.999999% (8-log) of biological pathogens. Neutralize chemical toxins. Remove odors.

SPEED Access treated areas immediately after the 15-minute cycle is complete. No wiping necessary.

EASE OF USE Program routine room or zone decontamination in regular intervals or initiate on-demand treatments via mobile app.

SAFETY Protect faculty, students, and visitors. Certified green, environmentally friendly, and safe for all surfaces and electronic equipment.



Results exceed ADA
requirements for
indoor air quality.

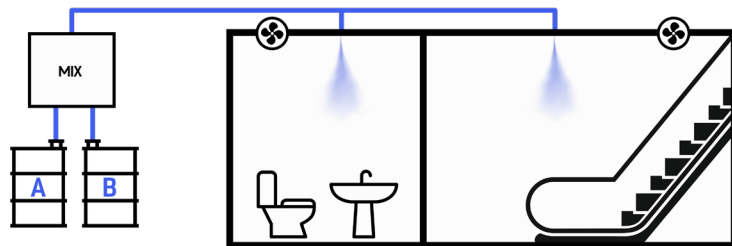


Total Reset Technology™

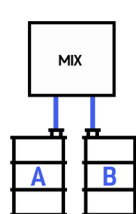
How does it work?

Total Reset Technology combines precision dry misting with the most effective, nontoxic decontaminant ever created. Superior efficacy and ease of use make it the most comprehensive and cost-effective decontamination solution available.

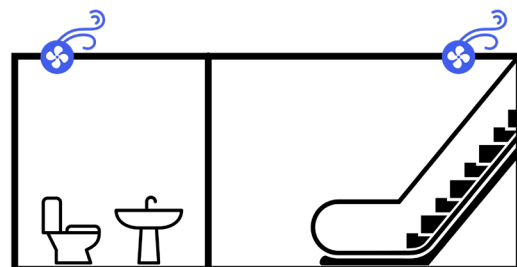
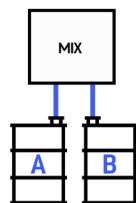
- 1 Control panel and chemical supply are installed in a utility room, piping and dry mist nozzles in the ceiling. **Little to no labor is required after setup.**
- 2 **Treatments can be scheduled or initiated on-demand** for individual rooms or zones using a mobile app.
- 3 **Air and surfaces are disinfected, decontaminated, and ready for use**—a vast improvement in efficiency and efficacy compared to conventional processes.



Emitters evenly distribute a precise amount of decontaminating dry mist.



After 5 minutes of saturation, dry mist is evacuated and replaced with fresh air.



Enter immediately after treatment is complete. No wiping required.

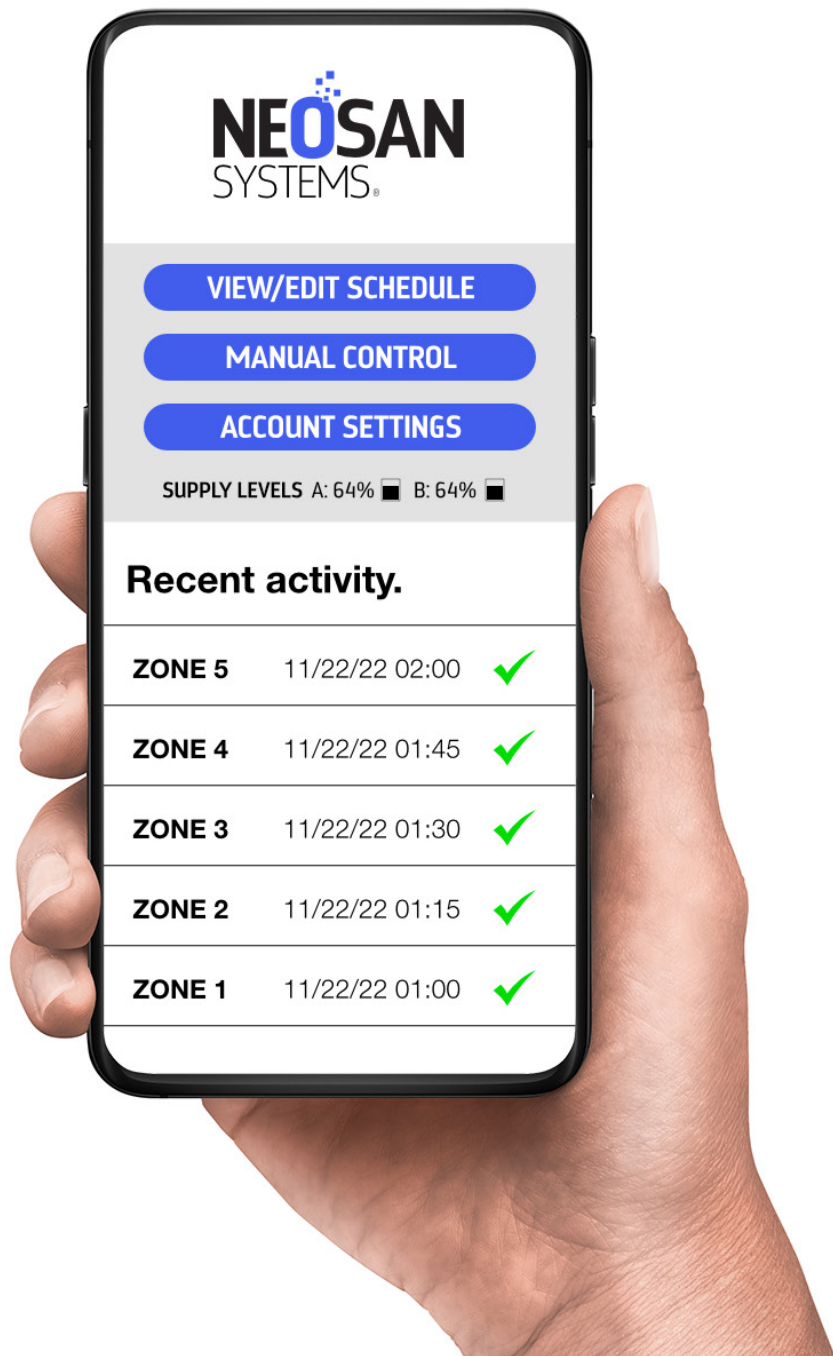
COMPLETE

Air & Surface Decontamination



In Only 15 Minutes!





Control Everything With A Mobile App.

Safe, accurate,
and convenient.

- Easily manage the system via mobile devices
- Preprogram regular decontamination intervals
- Initiate on-demand treatment cycles
- Schedule room or zone treatments
- Track cycles
- Receive supply level alerts and maintenance notifications

What we're spraying.

Originally developed for military-grade biological and chemical decontamination, Total Reset™ has been commercialized by NeoSan Systems for dry mist automation.

NeoSan Systems Total Reset™

EPA-registered, full-spectrum antibacterial, algacide, mildewstat, decontaminant, deodorizer, fungicide, virucide, disinfectant, and cleaner.

Effective Against: *Staphylococcus aureus*, *Staphylococcus epidermidis*, *Listeria monocytogenes*, *Influenza Type A (H1N1) & B*, *Pseudomonas aeruginosa*, *Klebsiella pneumoniae*, *Enterobacter aerogenes*, *Escherichia coli* (O157:H7), *Clostridium difficile*, *Salmonella enterica*, *Proteus mirabilis*, *Bacillus subtilis*, *Bacillus anthracis*, *Yersinia Pestis*, *Norovirus*, *MRSA*, *ESBL*, *Vancomycin-resistant Enterococcus faecalis*, *Monkeypox*, and *COVID-19*.

NeoSan Systems Total Reset™



8-Log Kill Rate

Kills up to 99.999999% of bacteria, viruses, fungi, and mold



Neutralizes Chemical Toxins

TICS, formaldehyde, VOC's, and toxic residues left by other cleaners



Destroys Odors

Eliminate odors without the use of encapsulating agents or fragrances



Nontoxic & Ecofriendly

Safely breaks down toxins into nontoxic, biodegradable components



Noncorrosive & Nonflammable

Safe for all industrial surfaces, screens, and sensitive equipment



Creates A Fungistatic Barrier

Protects surfaces from recolonization for over 21 days

Nontoxic & eco-friendly.

Biodegradable.

Noncorrosive.

Eliminates irritants that can cause asthma, allergic reactions, and chemical sensitivity.

No formalin, chlorine, carbolic acid, or heavy metals.

Noncarcinogenic.

Dye & fragrance-free.

Will not damage screens or electronic equipment.

Safe for all industrial surfaces:

Stainless steel, glass, aluminum, porcelain, granite, concrete, brick, asphalt paving, treated wood, butyl rubber, acoustic ceiling tile, commercial carpet, fabric-covered office partition panels, smooth latex painted wallboard, CARC painted metal, fabrics (cotton, polyester, microfiber, wool, acrylic, with elastomeric fibers).



Understanding The Chemistry

Total Reset™ is based on the synergistic effect between two active ingredients:

quaternary amines and hydrogen peroxide. The formula also contains supporting compounds that enhance solubilization and reactivity, accelerate oxidation activity, increase bulk and surface viscosity, extend the shelf life of the formula, and control the chemical reaction and pH. All ingredients in the formulation, including water, are balanced in order to guarantee maximum efficacy under stable and safe conditions.

MECHANISM OF ACTION



CLICK TO PLAY VIDEO

Understanding Disinfection

Kill Rate Per 1,000,000 Microorganisms

1-LOG KILL (90%) 100,000 Microorganisms Remain

2-LOG KILL (99%) 10,000 Microorganisms Remain

3-LOG KILL (99.9%) 1,000 Microorganisms Remain

4-LOG KILL (99.99%) 100 Microorganisms Remain

5-LOG KILL (99.999%) 10 Microorganisms Remain

6-LOG KILL (99.9999%) 1 Microorganism Remains

7-LOG KILL (99.99999%) .01 Microorganism Remains

8-LOG KILL (99.999999%) .001 Microorganisms Remain

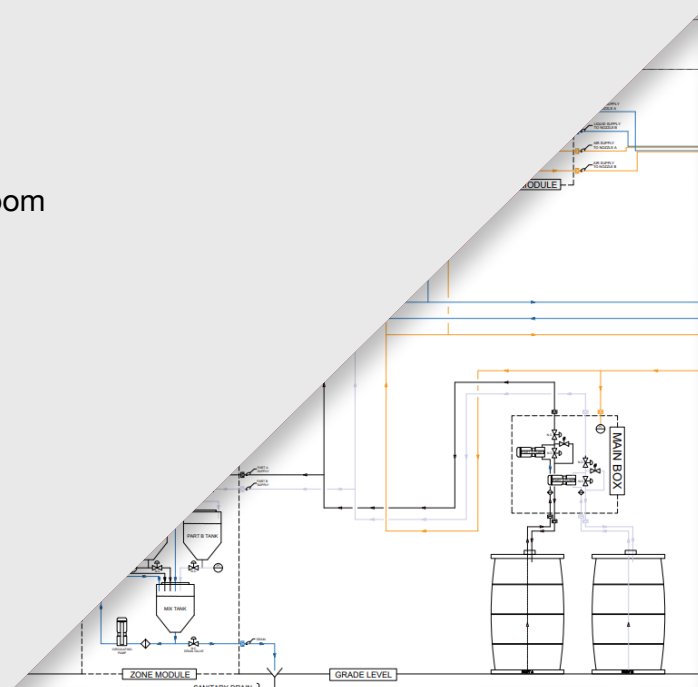
That's best-in-class disinfection.



TRT 9000

For Facilities Over 7,500 sq. ft.

- Control panel & chemical supply installed in utility room
- Piping and dry mist nozzles installed in the ceiling
- Customizable scheduling per room or zone
- Control via desktop or mobile app
- Single & multifloor installations
- Retrofit or new construction
- Consistent, 100% coverage
- 10 micron dry mist
- Amperage: 50–100 Amp
- Voltage: 240v or 480v



How do we compare?

Touchless, automated decontamination systems remove or reduce reliance on operators and associated risks of human error relative to selection, formulation, distribution, and adhering to appropriate contact times. The most used systems use hydrogen peroxide vapor, aerosolized hydrogen peroxide, or ultraviolet (UV-C) radiation. These systems have important differences in their active agent, delivery mechanism, efficacy, process time and ease of use.

	Total Reset Technology™	Fogging Robots	UV Light
Fast Treatments (Less than 30 minutes)	✓	✗	✗
Up To 8-Log Microbial Efficacy	✓	VARIES	✗
Fully Automated Operation	✓	✗	✗
Immediate Entry After Treatment	✓	VARIES	✓
100% Coverage	✓	✗	✗
EPA Registered	✓	VARIES	✗
No Wiping Or Rinsing Needed	✓	✗	✓
Safe For All Surfaces, Equipment & Devices	✓	VARIES	✓
Neutralizes Chemical Toxins And Allergens	✓	✗	✗
Removes Odors	✓	✗	✗
No Negative Effect On Indoor Air Quality	✓	✗	✓
Not Affected By Uneven Flooring	✓	✗	✗



Costs

The harmful effects of cross-contamination and indoor air pollution are causing thousands of lawsuits nationwide.

Bacteria, viruses, chemical toxins, VOCs, and toxic residues left behind by cleaners and disinfectants are harmful to our health. They can cause respiratory illnesses, allergic reactions, and even cancer—a potentially severe liability.

The lack of efficiency and efficacy of conventional cleaning protocols makes automated dry mist decontamination a superior solution.

Moderate implementation costs and operational efficiencies, typically result in a **full recovery of the investment after only 12 months.**



Automated Decontamination
For Indoor Environments

NEOSAN
SYSTEMS®

609 Broadway Blvd. NE
Albuquerque, NM 87102 USA
Toll-Free +1 877 400 9080

neosansystems.com