

# Protect|ED

SAFE AND HEALTHY SCHOOLS MADE POSSIBLE

## Who We Are

All children deserve to learn in places that are safe and healthy, while also nurturing their intellectual growth, social engagement and emotional well-being. As a trusted partner to school districts around the country, Protect|ED takes this responsibility seriously and works to support schools that share our commitment to improving the air students, faculty and staff breathe every day.

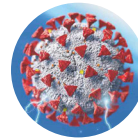
We serve as an extension of a school's operations team, helping leaders understand air quality options, the science behind it, and the difference clean air can make. Together, we will ensure students are learning in a safe, healthy environment that supports their academic success.



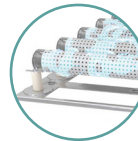
## Indoor Air Quality Is More than Filters

- The nation's students deserve more than the bare minimum when it comes to clean air access. Adding HVAC filters capture particles, but they don't eliminate harmful micro-organisms.
- NanoStrike™ is rooted in science and has been embraced by the medical community for the past decade and is used by world-renowned medical institutions such as the Mayo Clinic and Cleveland Clinic.
- Over 60 clinical and lab studies show that NanoStrike™ inactivates airborne micro-organisms up to 99.99 percent, providing the first line of protection against viruses and bacteria such as COVID-19, influenza, strep and more.

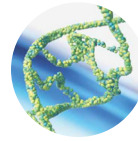
## How NanoStrike™ Works



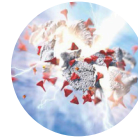
1. Contaminated indoor air is pulled into the unit by an internal dual-speed fan.



2. Two NanoStrike™ coils provide a deadly strike, made up of multiple concurrent inactivation processes, that work to rapidly destroy airborne pathogens.



3. DNA and protein within the cell wall are destroyed.



4. Cell bursts due to osmotic pressure and is unable to self heal.

5. The pathogen is destroyed and no longer infectious.

## NanoStrike™ is the Clear Winner Against Other Air Quality Solutions

Technology	Burst Cell of Pathogen	Kills Mold Spores	Prevents Antimicrobial Resistance	Effective to <1nm	Safe / Nontoxic	Low Total Cost of Ownership	Quiet
NanoStrike	✓	✓	✓	✓	✓	✓	✓
UVGI	✗	✗	✗	✗	✗	✗	✓
Bipolar Ionization	✗	✗	✗	✗	✓	✓	✓
HEPA Filtration	✗	✗	✗	✗	✓	✗	✗
VOC Filtration	✗	✗	✗	✓	✓	✗	✗

## The Hard Truth

The U.S. K-12 education system has been plagued with poor air quality for decades. While the pandemic may wane, the need for better air quality in our schools remains. From highly contagious germs to dangerous mold spores, schools have a responsibility to address these pervasive health issues and protect the wellbeing of their school community. We can do better.

### Fast facts:

- The average school is nearly 60 years old with documented health and safety issues.
- Long before COVID-19 emerged, the Environmental Protection Agency described air quality in many schools as a "serious health threat."
- According to Harvard's T.H. Chan School of Public Health's "Schools for Health" report, an estimated 46% of U.S. public schools, about 60,000 school buildings, faced air-quality challenges prior to the pandemic.
- Indoor air is 5-10 times more contaminated than outdoor air.
- Over the course of a K-12 education, a child will spend more than 15,000 hours at school. Classrooms, cafeterias, libraries and gymnasiums, even when cleaned to high standards, are reservoirs for biological and chemical contaminants.
- The nation is spending only two-thirds of what is needed in school facilities every year, underinvesting by a staggering \$85 billion annually.

## Beyond Health Benefits

The importance of air quality goes beyond health benefits. It has been shown to impact cognitive function in students as well and improve test scores. Additionally, by improving air quality, schools are better able to keep kids healthy and learning in the classroom. Student learning improves when schools are able to limit absenteeism.

### Why Districts Like NanoStrike™

- Slim, lightweight (10 lbs.) and can be easily mounted on a wall
- Portable and requires no installation costs
- Requires no maintenance, no filters to replace
- Consumes less energy than a standard household lightbulb
- Comes with a seven-year warranty, although its effectiveness does not degrade over time
- Extremely quiet and will not disrupt the learning environment