



Provide a Safer Vending Experience with Vending Machines Utilizing UVC Light Sanitizing Technology

With the ability to kill or inactivate viruses and bacteria, UVend Technology provides employees and customers with a safer way to enjoy the convenience of on-site snacks and beverages through vending.



UP TO
99.9%*

Effective
against viruses and
bacteria



**Independently
Tested**

by accredited third-
party testing labs



**Kills or
Inactivates
Viruses Fast**
along with bacteria

\$1,685. That's how much per employee the Centers for Disease Control and Prevention (CDC) estimates that productivity losses linked to absenteeism cost employers annually in the United States. For many employers, reducing absenteeism by even 10% would result in significant savings. That's why heading to the break room for a snack or drink doesn't mean your employees can take a break from being safe.

While the vaccines are promising, there are many viruses in addition to coronavirus that can sicken people and cause them to lose productivity at work. Employers are looking for innovative ways to make workplaces safer, while reducing the risk of costly shutdowns and lost productivity due to an employee contracting the coronavirus. As part of this effort, many employers are exploring the use of ultraviolet (UV) light to help reduce the spread of the coronavirus and other viruses, such as influenza.

Ultraviolet light has been proven effective against other viruses, including SARS and Ebola, and is currently used in many health care settings. Recent studies have shown ultraviolet light is also effective against the COVID-19 virus (SARS-CoV-2). Because of its effectiveness, UV light is an emerging option that many employers are utilizing in the workplace.



UVend Technology
UVC LIGHT SANITIZATION



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What is Ultraviolet (UVC) light?

Ultraviolet (UV) light occurs in natural sunlight, however most of these light frequencies are filtered by the Earth's ozone layer. A distinctive characteristic of UVC light is that a particular range of its wavelength (between 200 and 280 nm) is classified as germicidal and proven to be very effective in killing or inactivating bacteria, germs, viruses, and other microorganisms.

How does UVC light sanitization work and is it effective?

UVC light sanitization is an effective approach used to kill or inactivate microorganisms and viruses through a quick, physical process. In this process, microorganisms are exposed to germicidal wavelengths of UVC light so they are rendered incapable of making their copies and infecting.

According to a recent study by Vagelos College of Physicians and Surgeons at Columbia University Irving Medical Center, UVC light kills or inactivates more than 99.9% of microorganisms, including bacteria, viruses (including coronaviruses), and fungus / mold.

Sanitize high-touch surfaces on vending equipment with UVC light

Public, high-touch surfaces such as door knobs, handrails, and buttons on a vending machine can be breeding grounds for bacteria and viruses. To ensure a safer vending experience, eVending.com has developed UVend Technology, a patent-pending UV light sanitization device designed specifically for vending equipment.



“Our innovative UVC light technology inactivates viral, bacterial and other microbial threats on the high-touch, hard surfaces of our equipment,” says Andres Martinez-Negrete, Vice President of Engineering for eVending.com. “The ability to kill or inactivate microorganisms such as the COVID-19 virus (SARS-CoV-2), and influenza, is a game changer for organizations looking for ways to provide their employees with the convenience of on-site food and beverages while keeping their workplaces safe.”

When used properly, UVend Technology makes the high-touch surfaces of vending equipment safer by utilizing UV light to kill or inactivate up to 99.9% of viruses and bacteria. UVend Technology is a hardware-mounted UVC germicidal irradiation light source that uses light emitting diodes. When activated, it shines down on the surface with a small dose of UVC. This process results in a quick sanitization of the high-touch areas on a vending machine.



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UVend is proven by an independent third-party accredited testing lab to be up to 99.9% effective on killing or inactivating some of the most common viruses and bacteria in only a few minutes. In a recent study by Iowa State University, UVend Technology has been proven to generate UV light within the germicidal frequencies and with enough power to be effective at sanitizing surfaces. The study helped determine optimal treatment times and verify to what extent the UVend Technology is able to reduce pathogens.

While the use of UVC light as a sanitization solution in vending is a new concept, many organizations today are already utilizing UVC light. eVending.com integrates the same UVC technology in its vending equipment that is in use by healthcare organizations, schools, prisons, retailers, and the transportation and hospitality industries.

"Today, safety is key. When purchasing a vending machine, one of the most important considerations is the best machine to provide a safer vending experience for employees and customers," says Andres Martinez-Negrete, Vice President of Engineering for eVending.com. "UVend's visible blue light helps organizations show they prioritize safety, and it gives their employees and customers peace of mind when getting their next snack or drink."

The importance of periodic sanitization between uses

A recent study found that the COVID-19 virus (SARS-CoV-2), can survive up to two to three days on plastic and stainless steel which are

the two primary materials of the high-touch areas on vending machines. Therefore, UVend Technology can provide next level protection in conjunction with the manual equipment cleaning processes you already have in place.

Over the course of a day, let alone a full week, there are many opportunities for germs and bacteria to get onto the machine's high-touch surfaces, such as the keypad, touch screen, and delivery door, resulting in more contaminated areas. This implies that it is effective to sanitize the equipment continuously throughout the day.

Of course, no surface sanitization technology is a substitute for good personal hygiene practices such as mask wearing, frequent thorough hand washing and appropriate social distancing, as recommended by public health authorities. However, UVend Technology can compliment existing cleaning practices of the equipment in order to provide a safer vending experience.

"Our patent-pending UVC light sanitization technology for vending equipment gives employees assurance that the surfaces they touch are sanitized. The peace of mind the technology provides is priceless as organizations are trying to create safer environments for their employees and customers. Our UVC light technology is a chemical-free solution that is not reliant on human behavior," says Martinez-Negrete.

For user safety, UVend Technology features an automated motion sensor and visible blue light that ensure users do not receive direct exposure to the UVC light, which can be harmful. The



UVend Technology
UVC LIGHT SANITIZATION



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Automated No Touch

Self-sanitizing sensor



UV Light

To kill or inactivate viruses & bacteria



UV LEDs

40,000+ continuous hours rated life

Up to 99.9% Effective on Viruses	YES
Up to 99.9% Effective on Bacteria	YES
Chemical Free	YES
Life Expectancy	40,000+ hours of continuous use

motion sensor ensures no presence is detected in front of the machine before activating. The blue light indicates quick sanitization is in process, allowing the machine to be sanitized after almost every demand peak and also gives employees and customers confidence they are touching a sanitized surface.

Are the vending machines in your organization equipped with UVC light sanitization technology?

When purchasing a vending machine, one of the most important considerations is the best machine to provide a safer vending experience for employees and customers. Many consumers see low-cost, used equipment as a bargain, only to have the machine cost them more in the long run. Online machine re-sellers of new equipment also attract consumers with low prices and 'nice-to-have' features that do not add tangible value like UVend does.

Since Spring of 2020, the pandemic has affected virtually every organization and business in some capacity. Unfortunately, the majority of organizations have experienced the direct effect of having one or multiple positive cases within their workforce.

Business owners and Human Resource professionals are acutely aware of the impact that a single positive case has on your organization. Your organization has likely experienced lost productivity, increased costs, and decreased employee morale.

Ensuring your vending machines are equipped with UVend Technology will give you peace of mind and the next level of protection for your employees and customers.

For more information call eVending.com today at 1-866-623-6496.

Disclaimer: eVending.com automated dispensing equipment with the UVend Technology Ultraviolet-C (UVC) system directs UVC light onto the keypad and delivery door surfaces when the machine is not in use, killing or inactivating bacteria, viruses and other contaminants that might otherwise be passed on to the user of the machine through these high-touch surfaces. When used properly, UVC light is a proven, safe, and effective sanitization method. For more information about the proper use and effectiveness of UVC light as a sanitization method, please visit eVending.com/uvend-disclaimer.