

# UVC FOOD SAFETY SOLUTIONS

SCIENCE  
BASED

CHEMICAL  
FREE

COST  
EFFECTIVE

SURFACE  
AIR  
LIQUID

60+ YEARS  
EXPERIENCE

ASK ABOUT  
Custom UV Solutions



**Stainless Steel UVC  
Conveyor for Flat Products**

## WHY UVC FOR FOOD SAFETY

### Science Based

Applying C-band ultraviolet (UV) light to inactivate DNA/RNA-based microorganisms dates back to the 1850's. Through the use of measurement, calculation, and experimental data, the precise dosage of UVC energy has been determined to inactivate mold spores, bacteria, viruses, and other undesirable microorganisms. Coupled with energy-emitting lamps, effectively using UVC for food safety, as it has been used in HVAC systems, and healthcare settings, is one of math and

science, rather than smoke and mirrors. UVC technology involves shining a particular spectrum of non-visible, and non-penetrative light on the desired target, there are no residuals left behind. The product is not altered by the exposure to UV light, other than DNA/RNA-based microorganisms, such as molds, bacteria, and viruses, are reduced, or even eliminated entirely.

### Cost Effective

Properly designed and implemented UVC solutions will reduce the risk of losing a product because of unwanted microorganisms; and improve the efficiency of operations. Adding UVC disinfection to a production line will often pay for itself in a matter of months. Recurring costs are typically only associated with the lamps, which last from 12-24 months (depending on the application). And, because low-carbon stainless steel housings are the default construction material for our entire food & beverage line, all our products are built to last a lifetime.



**American  
Ultraviolet**

Insightful Solutions. Remarkable Results.  
SINCE 1960



# WHY AMERICAN ULTRAVIOLET FOR FOOD SAFETY

## Decades of Experience

American Ultraviolet has been designing and manufacturing complete UVC solutions since 1960, so there's not much we haven't seen, or manufactured a solution for. Our breadth of product is unmatched, and our solutions are unequalled, because, unlike other UV manufacturing companies, we've had an extended amount of time to gain the knowledge and proficiency needed to deal with the unique requirements and challenges across dozens of markets, including food safety. We believe this gives our entire team the ability to provide the exact solutions all our customers need, rather than just a few solutions we could offer if we were only in a few limited markets.

## Air, Surface & Liquid Applications

Whether your application calls for UV to treat air, surfaces, or liquids, American Ultraviolet has a standard, or custom, solution, so there's no need to seek out multiple UVC suppliers if you have the need for UV in different parts of your operation. Using our science-based approach, we simply calculate for the appropriate variables in each type of application, and provide the most appropriate solution.

## Custom Solutions

On many occasions since 1960 customers have come to us with truly unique situations that require truly unique UVC solutions, which is exactly why American Ultraviolet

has a full staff of experienced engineers. Our team specializes in the design, mechanical, and electrical aspects of all our projects, enabling us to consistently provide our customers with solutions based around their unique needs and situations. And, because we have in-house engineering, fabrication, assembly, and testing, projects that require custom solutions do not come with unnecessarily long lead-times, or astronomically high prices.

**American Ultraviolet stands behind all our value-oriented standard and custom products. And we're very proud that our customers frequently, and consistently, let us know how our insightful solutions have led to remarkable results.**



Liquid Storage Tank UVC Solutions



Full ConveyORIZED UVC Systems



UVC Pass-Through Tunnels



Inline Liquid UVC



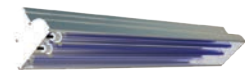
UVC Air Movers



Custom UVC Solutions



Kitchen Exhaust UVC



Washdown UVC Fixtures



**UVC FOOD  
SAFETY  
SOLUTIONS**



**American Ultraviolet®**

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