

# HAI • SSI

throughout Public and Private Hospitals, VAs and ASCs

## Problem:

How can the air, and surfaces, be cleaned to lower the risk from the usual suspects?



**American Ultraviolet®**

Insightful Solutions. Remarkable Results. Since 1960.

# Solution:

## American Ultraviolet Mobile UVC Systems

American Ultraviolet designs and manufactures the most complete portfolio of UVC germicidal products that reduce, and even eliminate, harmful pathogens within healthcare environments – more than 100,000+ solutions since 1960. We designed our first mobile UVC unit in 1984, and now offer a variety of effective mobile solutions, including the

ARTZ 2.0®; MRS 45-12 and MRS 33-8; and Blade handheld unit. All are manufactured in the U.S.A. And all are affordable, efficient, and effective solutions for reducing unwanted surface and airborne microbes in healthcare environments, with a particular focus placed on infection control and prevention.



ARTZ 2.0® MOBILE  
UVC SOLUTION



MRS 45-12  
MOBILE UV UNIT



BLADE HANDHELD  
GERMICIDAL  
FIXTURE



MRS 33-8  
MOBILE UV UNIT



CUSTOM UV  
SOLUTIONS



TRAINING

**MOBILE  
SYSTEMS**

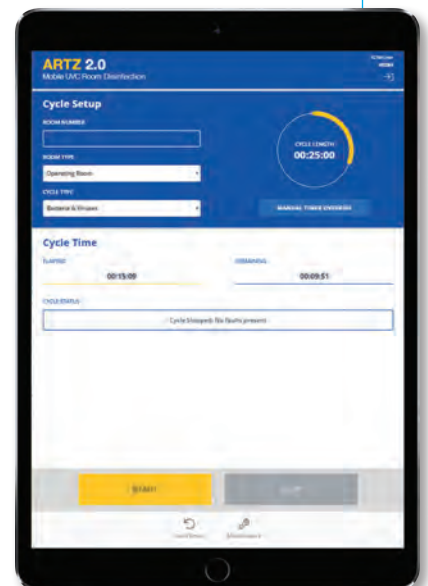
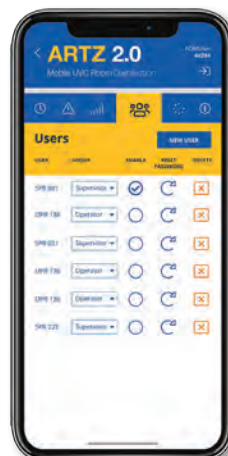
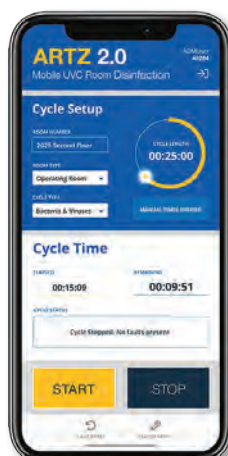
# ARTZ 2.0<sup>®</sup> Mobile Room UVC Germicidal Solution

Designed specifically to target zero infections in the environment around the patient, the ARTZ 2.0<sup>®</sup> is less expensive, more efficient, and more effective than any other comparable mobile room device in the marketplace. It is powered by twenty four 45" UVC lamps rated for 12,000 hours; and features 360° motion sensors as a safety precaution, web-based controls accessible from a device of your choice (phone, tablet or laptop), and automatic document control data logging to help reduce or eliminate human error during data collection.

We recommend using the ARTZ 2.0<sup>®</sup> as the final step during terminal cleaning of patient rooms, or surgical suites, or in any other areas of your facilities where harmful pathogens may be present.



The ARTZ 2.0<sup>®</sup> can be controlled from the web-enabled device of your choosing (mobile phone, tablet or laptop) - so no need to worry about a lost, damaged, or stolen controller. Simply connect to the ARTZ 2.0's discrete Wi-Fi network, and log in to web-based controls that offer cycle logging, fault logging, and lamp status information.



*"The ARTZ 2.0® has helped us dramatically reduce our pathogen levels and HAIs, and improved our room cleaning turnaround time by about 40%."*

## **Additional Mobile and Handheld Solutions from American Ultraviolet:**

### **MRS 45-12 Mobile UV Solution**

This smaller mobile unit, which also has 360° motion sensors as a safety precaution, features twelve 45" slimline UVC lamps for maximum intensity. System controls, which are located directly on the unit, allow utilization of a touchscreen with three pre-programmed disinfection cycle times, and the option of manually setting your own disinfection cycle times.

### **MRS 33-8 Mobile UV Solution**

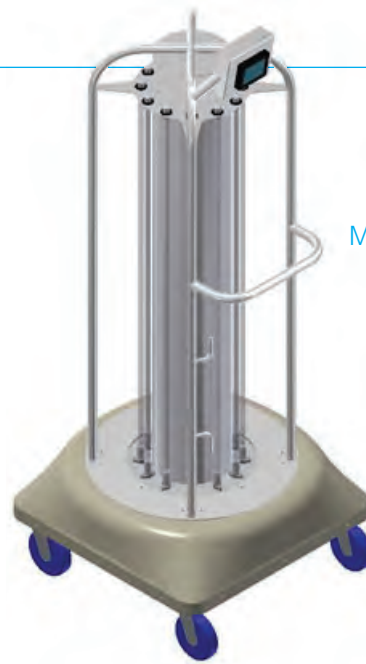
This even smaller mobile unit also offers 360° motion sensors as a safety precaution, and has system controls located directly on the unit, which allow utilization of a touchscreen with three pre-programmed disinfection cycle times, or the option of manually setting your own disinfection cycle times. It features eight 33" UVC lamps optically centered around highly polished reflector for maximum intensity.

### **Blade Handheld Germicidal Fixture**

The handheld, portable, UVC Blade deactivates bacteria, viruses and fungi in hard to reach places, and in environments that only need occasional exposure to UVC light.

### **Custom UV Solutions for Healthcare**

American Ultraviolet has a long and proud history of designing custom UV solutions for a wide range of industries, including healthcare. The MRS 26-4, designed for ambulances, and mobile clinics, is one such example. If you haven't found the perfect UV solution for your situation, please let us know and, together, we'll work to come up with one.



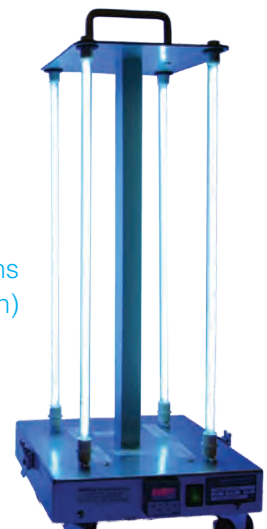
MRS 45 -12



MRS 33 - 8



Blade



Custom Solutions  
(MRS 26 - 4 shown)

# Testing



(formerly ATS Labs)

**Study Title:** Evaluation of Antimicrobial Effectiveness of a UVC Generating Device on Hard Nonporous Surfaces

**Product:** ARTZ 2.0® from American Ultraviolet

**Test Organisms/Study Results:**

- Methicillin Resistant *Staphylococcus aureus* (MRSA) - >99.9999% (>6.56 log<sub>10</sub>)
- Clostridium difficile - >99.9999% (>6.62 log<sub>10</sub>)
- Feline Calicivirus – 99.9996% (5.45 log<sub>10</sub>)
- Influenza – ≥99.9996% (≥5.45 log<sub>10</sub>)
- Acinetobacter baumannii* - >99.999% (>5.93 log<sub>10</sub>)
- Klebsiella pneumonia* - >99.99999% (>7.23 log<sub>10</sub>)
- Pseudomonas aeruginosa* – 99.9999% (6.28 log<sub>10</sub>)
- Staphylococcus aureus* - >99.9999% (>6.64 log<sub>10</sub>)
- Vancomycin Resistant *Enterococcus faecalis* (VRE) - >99.999% (>5.71 log<sub>10</sub>)

# Safety



**Passive Infrared Motion Detector (PIR)**

All Mobile Room UVC Germicidal Solutions from American Ultraviolet use 360° degree passive infra-red motion and heat sensors. In addition, every UVC fixture in the Operating Room Package has its own Motion + IR sensor - if these sensors were to “see” motion, or sense heat, all fixtures will immediately shut down.

*“We researched several mobile systems and chose the ARTZ 2.0®, from American Ultraviolet, based on the company’s experience, and the price of the system. So far we’ve found the ARTZ 2.0® to be very easy to operate, and the company support to be very reliable”*

# OR Package

To reduce HAIs and SSIs in your OR with a permanently installed solution, rather than a mobile unit, ask about our OR Package, which uses a series of strategically placed UVC fixtures to disinfect an OR in less than 10 minutes, 24/7/365, and without the need for additional staff.



## Other Healthcare Solutions from American Ultraviolet:



Reduce HAIs and SSIs in your OR by using a permanently installed solution that uses a series of strategically placed UVC fixtures to disinfect quickly, 24/7/365, and without the need for additional staff.



Since 1960 American Ultraviolet has provided healthcare institutions with UV germicidal disinfection solutions designed specifically to control the spread of airborne microorganisms and bio-aerosols.



Custom and standard in-duct, on-coil, and in-room UV solutions increase efficiency, prolong equipment life, and improve indoor air quality throughout entire buildings.



AQ Series UV water treatment units, with flow rates from - 2-1,000 gallons per minute, safely and effectively purify water in commercial and residential applications.



The handheld, portable UVC Blade disinfection device, deactivates bacteria, viruses and fungi in spaces where traditional hard-mounted UVC fixtures are inconvenient to be mounted; and where portable devices have limited access.



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