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

Solution:
American Ultraviolet Mobile UVC Systems


Corporate Headquarters, Lebanon, IN • Torrance, CA
800.288.9288 • www.auvhealthcare.com

Other Healthcare Solutions from American Ultraviolet:

HAIs • SSIs throughout Public and Private Hospitals, VAs and ASCs
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 hand-held unit. All are manufactured in the U.S.A. And all are affordable, efficient, and effective solutions for reducing uncleaned surfaces and airborne microbes in healthcare environments, with a particular focus placed on infection control and prevention.

Other Healthcare Solutions from American Ultraviolet:

- **MOBILE ROOM UVC**: A permanent UVC solution that uses a series of strategically placed UVC fixtures to disinfect quickly, 24/7/365, and without the need for additional staff.
- **UVC Dosimeters™**: Safe, efficient tools used to verify UVC exposure of a surface, or in a healthcare environment—this perfect complimentary to mobile UVC systems, and the OR Package.
- **AQ Series UV water treatment units**: Safely and effectively purify water in commercial and residential applications.
- **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.

Since 1960 American Ultraviolet has provided healthcare institutions with all germicidal disinfection solutions designed to control the spread of airborne microorganisms and bio-aerosols. American Ultraviolet is proud to design, manufacture, and deliver the best germicidal disinfection solutions for reducing unwanted surface and airborne microbes in healthcare environments.

**Problem:**

How can the air, and surfaces, be cleaned to lower the risk from the usual suspects?
The ARTZ 2.0® is a mobile germicidal solution designed to target zero infections in the environment around the patient. It is powered by twenty four 45” slimline UVC lamps optically centered around highly polished reflector for maximum intensity. System controls, which are located directly on the unit, allow utilization of a touchscreen with three pre-programmed disinfection cycle times, or the option of manually setting your own disinfection cycle times. The handheld, portable, UVC Blade deactivates bacteria, viruses and fungi in hard to reach places, with a polished reflector for maximum intensity. System controls located directly on the unit, allow utilization of a touchscreen with three pre-programmed disinfection cycle times, or the option of manually setting your own disinfection cycle times. Additional Mobile and Handheld Solutions from American Ultraviolet:

**MRS 45-12 Mobile UVC 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, or the option of manually setting your own disinfection cycle times. These sensors, as a safety precaution, features twelve 45” slimline UVC lamps optically centered around highly polished reflector for maximum intensity.

**MRS 33-8 Mobile UVC 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, with a polished reflector for maximum intensity. System controls located directly on the unit, allow utilization of a touchscreen with three pre-programmed disinfection cycle times, or the option of manually setting your own disinfection cycle times.

**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.

**Test Organisms/Study Results:**

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<th>Product</th>
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**Additional Information:**

- **MRS 45-12 Mobile UVC Solution**
  - UVC lamps powered by twenty four 45” slimline UVC lamps for maximum intensity.
  - System controls located directly on the unit.
  - Ability to manually set disinfection cycle times.

- **MRS 33-8 Mobile UVC Solution**
  - Smaller mobile unit with twelve 33” UVC lamps for maximum intensity.
  - Ability to manually set disinfection cycle times.

- **Blade Handheld Germicidal Fixture**
  - Small, portable unit for hard-to-reach areas.
  - Ability to manually set disinfection cycle times.

- **Custom UV Solutions for Healthcare**
  - Tailored solutions for specific needs.
  - Option to manually set disinfection cycle times.

- **Support and Reliability**
  - Easy to operate.
  - Reliable operation supported.

- **Additional Features:**
  - 360° motion sensors for safety.
  - Web-based control accessible from mobile devices.
  - Automatic document control data logging.
  - 360° motion detectors for added safety.

- **Safety:**
  - Passive Infrared Motion Detector (PIR)
  - Infrared sensors for added safety.

- **OR Package:**
  - Mobile UVC solutions for ORs.
  - Customizable solutions for healthcare environments.

- **Alternative UVC Solution:**
  - Handheld germicidal solutions for specific needs.

- **Support Resources:**
  - Visit auvhealthcare.com for more information.
  - Support and reliability.

- **Additional Study Links:**
  - Study Title: "Efficacy of a UVC Generating Device on Hard Nonporous Surfaces" (American Ultraviolet)
The ARTZ 2.0® is powered by twenty-four 45" UVC lamps and is less expensive, more efficient, and more effective than any other comparable mobile room device in the marketplace. It is the final step during terminal cleaning of patient rooms, or in any other areas of your facilities where harmful pathogens may be present.

We recommend using the ARTZ 2.0® 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.

Additional Mobile and Handheld Solutions from American Ultraviolet:

MRS 45-12 Mobile UVC 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 UVC 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.

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. Blade Handheld Germicidal Fixture

Custom UV Solutions for Healthcare
American Ultraviolet has a long and proud history of designing custom UVC 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.

Safety

Passive Infrared Motion Detector (PIR)
All Mobile Room UVC Germicidal Solutions from American Ultraviolet use 360° passive infrared 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.

Additional Mobile and Handheld Solutions from American Ultraviolet:

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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.

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The ARTZ 2.0® can be controlled from the web-enabled device of your choosing (mobile phone, tablet or laptop) - 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 utilization of a touchscreen with three pre-programmed disinfection cycle times, and the option of manually setting your own disinfection cycle times.

Additional Mobile and Handheld Solutions from American Ultraviolet:

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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.

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Designed specifically to target zero infections in the environment around the patient, the ARTZ 2.0® 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” slimline UVC lamps for maximum intensity. System controls, which are located directly on the unit, allow utilization of a touchscreen with three programmed disinfection cycle times, and the option of manually setting your own disinfection cycle times.

Additional Mobile and Handheld Solutions from American Ultraviolet:

**MRS 45-12 Mobile UV Solution**
This smaller mobile unit, with its 45” slimline UVC lamps for maximum intensity, provides simple, easy-to-use controls. The unit includes manual control of cycle times, or the option of utilizing a touchscreen with three pre-programmed disinfection cycle times.

**MRS 33-8 Mobile UV Solution**
This even smaller mobile unit offers 360° motion sensors as a safety precaution, with an additional motion-sensing feature that is provided as a standard feature. System controls, which are located directly on the unit, allow utilization of a touchscreen with three pre-programmed disinfection cycle times, or the option of manually setting your own disinfection cycle times.

Safety

**Passive Infrared Motion Detector (PIR)**

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<tr>
<td>Acinetobacter baumannii</td>
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<tr>
<td>Feline Calicivirus</td>
<td>≥99.9996% (5.45 log10)</td>
</tr>
<tr>
<td>Pseudomonas aeruginosa</td>
<td>≥99.9999% (6.28 log10)</td>
</tr>
<tr>
<td>Klebsiella pneumonia</td>
<td>&gt;99.9999% (&gt;7.23 log10)</td>
</tr>
<tr>
<td>Staphylococcus aureus</td>
<td>&gt;99.9999% (&gt;6.56 log10)</td>
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| Methicillin Resistant
  Staphylococcus aureus (MRSA) | >99.9999% (>6.62 log10)  |

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

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

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

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Other Healthcare Solutions from American Ultraviolet:

- **MOBILE ROOM UVC**
- **Other Healthcare Solutions from American Ultraviolet:**
  - Reduce outbreaks and risks in your UVC delivery using a permanently installed solution that cleans areas of high foot traffic. UVC fixtures are designed specifically to control the spread of airborne pathogens and bio-aerosols.
  - Since 1960 American Ultraviolet has provided healthcare solutions with full germicidal destruction. Solutions designed specifically to combat the spread of airborne pathogens and bio-aerosols.
  - Custom and standardized solutions. From small to large, from new to existing, we have UVC solutions that can fit the space and budget.
  - AG Germicidal UVC water treatment units, with flow rates from 2 – 1,000 gallons per minute, are not only efficient, but easy to use. They’re just what you need to achieve the perfect balance of performance and reliability.
  - 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.
  - UVC Dosimeters™ are safe, efficient tools used to verify UVC exposure of a surface, or monitor a healthcare environment - the perfect compliment to mobile UVC systems.
  - 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.

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