American Ultraviolet designs and manufacturers 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.

American Ultraviolet Mobile UVC Systems

Solution:


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

Other Healthcare Solutions from American Ultraviolet:

- ARTZ 2.0® MOBILE UVC SOLUTION
- MRS45-12 MOBILE UV UNIT
- MRS33-8 MOBILE UV UNIT
- Blade handheld unit

Reduce risk and EIDs in your OR using a permanently installed solution that uses a series of strategically placed UVC fixtures to achieve quality results without the need for additional staff.

Since 1964 American Ultraviolet has provided healthcare institutions with UVC germicidal disinfection solutions, setting a standard for the control of the spread of airborne infections in hospitals.

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 UV germicidal disinfection solutions designed specifically to control the spread of airborne microorganisms and bio-aerosols.

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

The handheld, portable ARTZ Blade disinfection device, disinfects HIV and many other pathogens in confined spaces where traditional systems cannot be used. Mobile solutions reduce transmission risk where portable devices have limited access.

Problem:

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

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 105,000+ 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 USA. 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.

Other Healthcare Solutions from American Ultraviolet:

Reduce risk and errors in your OR using a permanently installed solution that uses a series of strategically placed UVC fixtures to provide superior disinfection to control the spread of even the most resistant microorganisms and hazards.

Since 1960, American Ultraviolet has provided healthcare institutions with UVC germicidal fixation systems for continuous disinfection in the areas where patient care is highest risk, including patient rooms and intensive care units.

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.

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

Since 1960, American Ultraviolet has provided healthcare institutions with UVC germicidal disinfection solutions, enabling hospitals to control the spread of the most resistant microorganisms and pathogens.

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 UV germicidal disinfection solutions designed specifically to control the spread of airborne microorganisms and bio-aerosols.

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

HAIs • SSIs 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?
The ARTZ 2.0® 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 the ARTZ 2.0® from American Ultraviolet.

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

**MRS 45-12 Mobile UV Solution**

This smaller mobile unit, which also has 380° 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.

**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.

**Safety**

Passive Infrared Motion Detector (PIR)

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

**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.

**Testing**

**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:**

<table>
<thead>
<tr>
<th>Organism</th>
<th>Antimicrobial Effectiveness</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Acinetobacter baumannii</em></td>
<td>≥99.999% (&gt;5.71 log10)</td>
</tr>
<tr>
<td><em>Clostridium difficile</em></td>
<td>≥99.999% (&gt;6.62 log10)</td>
</tr>
<tr>
<td><em>Enterococcus faecalis</em></td>
<td>≥99.9996% (5.45 log10)</td>
</tr>
<tr>
<td><em>Feline Calicivirus</em></td>
<td>≥99.9996% (5.45 log10)</td>
</tr>
<tr>
<td><em>Influenza</em></td>
<td>≥99.9995% (&gt;5.45 log10)</td>
</tr>
<tr>
<td><em>Klebsiella pneumonia</em></td>
<td>≥99.9995% (&gt;7.23 log10)</td>
</tr>
<tr>
<td><em>Pseudomonas aeruginosa</em></td>
<td>≥99.9999% (&gt;6.28 log10)</td>
</tr>
<tr>
<td><em>S. aureus</em> (MRSA)</td>
<td>≥99.9999% (&gt;6.56 log10)</td>
</tr>
<tr>
<td><em>Staphylococcus aureus</em></td>
<td>≥99.9999% (&gt;6.64 log10)</td>
</tr>
<tr>
<td><em>Vancomycin Resistant Enterococcus faecalis</em> (VRE)</td>
<td>≥99.999% (&gt;5.71 log10)</td>
</tr>
</tbody>
</table>

Review the studies at auvhealthcare.com

**“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 is very reliable.”**
**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 setting your own disinfection cycle times. It features eight 33” UVC lamps optically centered around highly polished reflector for maximum intensity.

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**Testing**

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

**Study Title:** Evaluation of Antimicrobial Effectiveness of a UVC Generating Device on Hard Non-Porous Surfaces

**Test Organisms/Study Results:**
- Methicillin Resistant Staphylococcus aureus (MRSA) – >99.999% (>5.55 log10)
- Pseudomonas aeruginosa – 99.999% (>5.23 log10)
- Escherichia coli – 99.9999% (>6.53 log10)
- Klebsiella pneumoniae – >99.9999% (>7.23 log10)
- Influenza – >99.99999% (>6.56 log10)
- Acinetobacter baumannii – 99.9999% (>5.83 log10)
- Staphylococcus aureus (MRSA) – >99.9999% (>6.28 log10)

Visit [auvhealthcare.com](http://auvhealthcare.com) to learn much more about all American Ultraviolet mobile UV solutions outlined in this brochure.

**Recommended References:**
1. ARTZ 2.0® Mobile Room UVC Germicidal Solution
The ARTZ 2.0® can be controlled from the web-enabled device of your choosing (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 the web-based controls that offer cycle logging, fault logging, and system status information.

Additional Mobile and Handheld Solutions from American Ultraviolet:

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**MRS 33-8 Mobile UVC Solution**
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**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. The Blade Handheld Germicidal Fixture is designed specifically to target zero infections in the environment around the patient, the ARTZ 2.0® can be controlled from the web-enabled device of your choosing (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 the web-based controls that offer cycle logging, fault logging, and system status information.

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**Test Organisms/Study Results:**
- **Acinetobacter baumannii**: ≥99.999% (>5.93 log10)
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- **Staphylococcus aureus**: >99.9999% (>6.29 log10)

**454® Genomics Study Results:**
- **Acinetobacter baumannii**: >99.9999% (>6.62 log10)
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- **Influenza**: ≥99.9999% (>6.64 log10)
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