

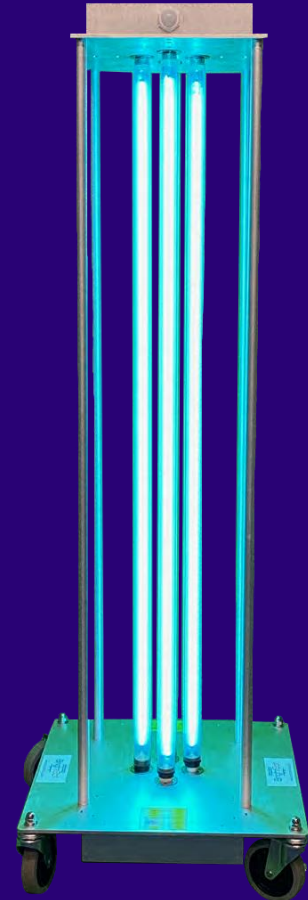


Correctional Facilities

Infection Control

UVC Disinfection

UVC Disinfection – Purpose Built for High Density Environments



The Challenge: Overcrowding & Disease Risk

2.1M+

People incarcerated in
U.S. correctional facilities

3–4×

Higher TB & respiratory disease
rates than the general public

COVID-19

Spread at alarming rates through
prisons and jails nationwide

Confined Spaces Accelerate Transmission

Dormitories, holding cells, and medical units concentrate large numbers of people in poorly ventilated spaces—creating ideal conditions for airborne and surface pathogen spread.



Measles – A Resurging Threat

Highly contagious measles virus can survive on surfaces and in the air for up to 2 hours. Vaccination gaps in correctional populations make outbreaks a serious concern.

COVID-19 & Respiratory Pathogens

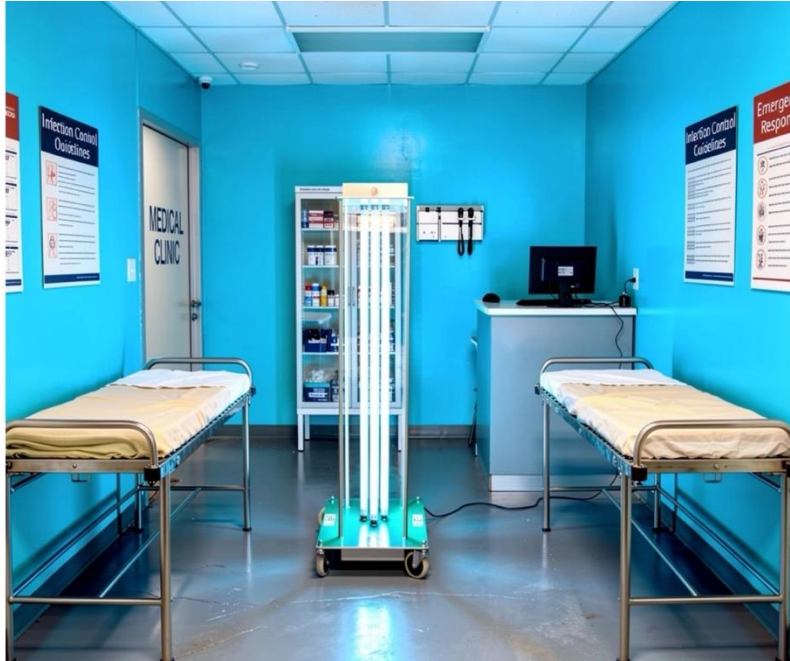
COVID-19 devastated correctional facilities. With poor ventilation and shared spaces, aerosol-transmitted pathogens remain a persistent, ongoing risk to staff and incarcerated individuals alike.



Standard Cleaning Is Not Enough

Chemical disinfection often misses surfaces and does nothing for airborne pathogens. Facilities need an additional layer of validated, automated disinfection technology.

BrightBot in the Correctional Clinic



Between-Patient Disinfection

Deploy BrightBot between patient encounters in clinic bays, exam rooms, and holding areas—reducing pathogen burden before the next patient enters.

Validated Pathogen Kill

Independent lab testing confirms effectiveness against MRSA, C. diff, and Candida auris—critical pathogens in correctional healthcare settings.

5-Minute Disinfection Cycle

Rapid turnaround keeps clinic throughput high. No waiting hours for chemical disinfectants to dry or off-gas.

Staff & Patient Safety Built-In

Motion sensors immediately shut down UV emission if anyone enters the room during a cycle—protecting both incarcerated individuals and correctional staff.

UVC Disinfection: Surfaces, Air & Everything In Between

How It Works: UVC light (254 nm) penetrates the DNA and RNA of microorganisms, shattering their ability to reproduce. If the light touches it — surface, air, or object — it is disinfected.

Surfaces

- Floors, walls, curtains
- Exam table surfaces, medical carts
- Sinks, countertops, door handles
- All high-touch touchpoints disinfected in minutes

Air

- Airborne pathogen neutralization
- Measles, COVID-19, TB bacteria destroyed
- No HEPA filter required light disinfects room air
- Reduces aerosol transmission risk significantly

Objects & Equipment

- Medical devices, stethoscopes, BP cuffs
- Bunks, chairs
- Anywhere line-of-sight UVC reaches

BrightBot's shatterproof bulbs and motion-sensor safety system make UVC safe, durable, and practical for correctional environments.

Designed for Security: Safety Features That Matter

Shatterproof UVC Bulbs

Critical for Correctional Environments

Traditional glass UVC bulbs pose an unacceptable safety and security risk in correctional settings.

BrightBot™ uses shatterproof bulb technology, eliminating the threat of broken glass being used as a weapon or creating hazardous debris.

Durable construction is built for real-world institutional use not just clinical labs.

Bulb replacement is required only every 2 years at approx. \$600, minimizing maintenance burden on facility staff.



Automatic Motion Sensors

Zero-Exposure Personnel Protection

BrightBot's built-in motion sensors instantly shut off UV emission the moment any movement is detected in the room. This automated safety response protects:

- Correctional officers and healthcare staff
- Incarcerated individuals in adjacent areas
- Maintenance and custodial personnel

No reliance on staff remembering to follow a protocol — the unit protects everyone automatically.

Manual remote operation allows staff to initiate disinfection cycles safely from outside the room — no entry required.

Targeted Response: Measles, COVID-19 & Beyond



TEXAS 2025 OUTBREAK: 147 confirmed measles cases statewide — 127 cases (86%) in detention centers

Measles

- Texas 2025: 147 confirmed measles cases — 127 of them (86%) linked to detention centers
- One of the most contagious diseases known — an infected person can transmit to 12–18 others
- Virus survives in the air and on surfaces for up to 2 hours after an infected person leaves
- Vaccination gaps are common in incarcerated populations due to disrupted healthcare access
- UVC light at 254 nm effectively inactivates measles virus on surfaces and in air

86% of Texas measles cases this year traced to detention centers — UVC disinfection is a critical and immediate line of defense.

COVID-19

- COVID-19 outbreaks in prisons were 5× higher than in the general population at peak
- Shared dormitories, poor ventilation, and shared restrooms accelerate aerosol transmission
- Variants continue to evade prior immunity — ongoing disinfection protocols remain essential
- UVC destroys the SARS-CoV-2 viral envelope, preventing replication and spread
- Supplemental UVC reduces surface viral load between cleaning cycles and cell occupancy changes

BrightBot provides continuous infection control support even as COVID variants evolve.

BrightBot: The Affordable, Mission-Driven Choice

< \$12,500

Per unit — fraction of competing systems

< 40 lbs

Lightweight, easy to move between rooms

5 Min

Full room disinfection cycle

\$600

Bulb replacement every 2 years

3 Models

Bot18, Bot48, Bot60 for any room size

Laboratory Tested

Independent validation: MRSA, C. diff, Candida
auris

Built with a Mission

BrightBot™ was founded in 2020 to bring medical-grade UVC disinfection to institutions that have been priced out of protection. Correctional facilities caring for some of society's most vulnerable and medically underserved populations deserve the same level of infection control as any hospital. BrightBot™ makes that possible.



Are You Ready to Protect Your Facility?

Validated against MRSA, C. diff & Candida auris
EPA-registered | Shatterproof | Motion-Safe
Under \$12,500 | 5-Min Cycles | < 40 lbs

www.brightbotuvc.com

Affordable Medical-Grade UVC Disinfection Chicago, Illinois

Veteran owned