Skytron
UVC Disinfection Robots
Skytron offers a complete portfolio of automated UVC robots that share the same intelligent DNA to meet every need and every budget. With effective, single-cycle, whole-room disinfections, Skytron UV delivers more power and efficiency, ensuring thorough disinfection and increased staff workflow productivity.

**Smart**
SmartDosage UV™ technology delivers a lethal germ-killing dose to all surfaces, including shadowed areas. Skytron UV Disinfection Robots automatically sense room size and characteristics to calibrate the appropriate runtime, instilling confidence that disinfecting treatments are completed with the highest quality performance every time.

**Powerful**
Skytron UV Disinfection Robots deliver high energy output, resulting in faster and more effective treatments. With rapid, single-cycle, whole-room disinfections, more germicidal power is delivered, more clinical pathogens are killed, and direct, indirect, and shadowed surfaces are disinfected.

**Automated Documentation**
Steri-Trak™ creates real-time reporting and tracking to confirm adherence to planned protocols and compliance with required documentation. Using a wireless controller, the operator simply scans the room number, closes the door, arms the safety sensors, and runs the disinfection cycle.
Skytron UV Complete Portfolio

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**A new level of disinfection**

**Power Level**
- Faster and more effective disinfection treatments
- Enables single-cycle, whole-room disinfections
- Unmatched UVC output at each price point
- Maximizes customer value

**SmartDosage UV™**
- Automatically calibrated run-time
- Eliminates danger of under-dosing
- Removes human error
- Ensures thorough application of germ-killing UVC

**PowerBoost UV™**
- Enhances generation of UVC energy
- Contributes to best-in-class disinfections

**Field Balance**
- Proprietary technology reduces treatment time
- Ensures that rooms of all sizes and layouts are thoroughly disinfected in the shortest amount of time
- Boosts UV power to areas in higher need such as surfaces in distant proximity

**Steri-Trak™**
- Secure cloud-based documentation system
- Tracks all usage metrics with barcode accuracy
- Provides ability to deploy, manage, and monitor treatments
- Real time access to reporting and data analytics

**Comprehensive Safety**
- Built-in lamp and hardware protection
- Ruggedized, durable construction
- Infrared, motion, and digital safety features prevent human exposure

**Removable Emitter**
- Small footprint
- Easily fits in confined spaces
- Ideal for EMS and Aeromed applications
Healthcare Associated Infections (HAI's) impact 5 to 10 percent of hospitalized patients and cost hospitals an average of $15,000 per incident. Nationally, HAI's cost hospitals more than $25 billion per year in additional expenses for readmission or elongated hospital stays. Additionally, HAI's put hospital staff at risk and increase labor expenses for paid sick time.¹

Environmental contamination
Contamination is directly impacted by patient-to-patient transmission²

- Patients occupying rooms that previously housed pathogen-infected patients have 73% increased risk for disease³,⁴
- Pathogens persist in the environment for weeks to months on surfaces⁵

Where pathogens live
High-touch room surfaces
- Bed rails
- Faucet handles
- Door knobs
- Telephone handsets
- TV remote controls¹

Manual disinfection
Proven to be less than 50% effective⁵
- Only 34% of high-touch surfaces are terminally cleaned⁴
- Majority of isolation rooms are still contaminated with dangerous pathogens after disinfection⁶

². Weber, Rutala, Miller et al. ICHE 2010

Solution: Skytron UVC

Differentiating Features
- **Shorter treatment times**
  - Higher room throughput
  - Reduces turn-over time

- **More effective disinfections**
  - Higher pathogen kill rate
  - Lead to greater reduction of HAI's

- **Whole-room disinfections**
  - Include shadowed surfaces
  - Disinfect surfaces in distant proximity

- **Single-cycle treatments**
  - Improve workflow
  - No repositioning of unit

![UVC Field Strength Comparison](image)
Increasing Disinfection Efficiency

Improving the disinfection process
By providing optimum technology, Skytron UV focuses on enhancing disinfection processes, staff workflow efficiencies, and increasing pathogen kill rates.

### Typical cleaning process | Skytron UV | Improved cleaning process | Benefits
--- | --- | --- | ---
Manual disinfection | No-touch technology | | Disinfects all surfaces, including hard-to-reach or shadowed surfaces
Manual disinfection | Best-in-class germicidal energy | | Whole-room disinfections
Multi-cycle treatments | Single-cycle treatments | | Higher pathogen kill rate
Requires repositioning | No repositioning | | Optimizes staff workflow
Manual or inconsistent tracking process | Steri-Trak™ digitally schedules, tracks and accounts for treatments | | Automatically records disinfection metrics
Inability to measure UV dose | SmartDosage UV™ Dose Assurance Technology | | Reduces human error
Unknown disinfection efficacy | | | Eliminates danger of under-dosing

Our Process

1. **Setup**
   - Position emitters in room, based on facility implementation strategy
   - Log into wireless remote with Operator PIN (5 sec.)
   - Scan room barcode (2 sec.)

2. **Safety settings**
   - Automatic IR motion sensors
   - Arm doors motion sensors (5 sec. each door)
   - Complete digital pre-treatment checklist (20 sec.)

3. **Initiate disinfection procedure (5 sec.)**

4. **Document treatment with Steri-Trak™**
   - Treatment metrics automatically recorded
   - Secure cloud-based documentation system
   - Provides ability to deploy, manage, and monitor treatments
   - Real time access to reporting and data analytics
Proven Outcomes

Peer-Reviewed Hospital Study

- Significant reductions in HAI incident rates
- Conducted hospital-wide with 95% of the rooms in the entire facility being treated
- Conducted over a 6-month period
- Study conducted totally independent of Skytron
- No bias or conflict of interest

Mercy Anderson Hospital (Cincinnati, OH)

- Clostridium Difficile (C. Diff) dropped 42% in one year trial period
- Vancomycin-Resistant Enterococci (VRE) down 83% during the same period


Customer Testimonials

Mercy Health (Kenwood, OH)

“Our experience has been great. The service and support from them has been incredible. We have 24/7 access to a real-time person...The training was there right from the start.”

McLaren Flint Health Care (Flint, MI)

“We were able to reduce the infections in our intensive care unit by 30% over a 6 month period.”

Legacy Meridian Park Medical Centers (Tualatin, OR)

“The results [culture tests] were incredible.”
Proven Outcomes

McLaren Oakland Study

Significant HAI Rate Reduction
- 72% reduction in Clostridium Difficile incidences

ROI Economic Impact
- $236,880 cost avoidance 1st 6 months for C.Diff alone

High Throughput
- 15 minute average room turn-around time

No Conflict of Interest
- Study conducted independently of Skytron

1. Preventing the Transmission of Clostridium difficile Using UV-C Light
McLaren Oakland

Service

Skytron’s industry-leading service programs are worry and hassle free:

- One or more year plans which cover all OEM parts, including lamps and labor
- On-site service visits and travel expenses, 24/7 telephone support, and annual preventative maintenance check-ups
- “Spare in the Air” program, where Skytron expedites a replacement robot to minimize down time during required services
- Consultation for implementing an optimal deployment strategy for your facility

Training:

Skytron offers instruction on UV robot operation to ensure safe and effective performance:

- Training for multiple shifts of staff
- Training of management staff in Steri-Trak™, Skytron’s cloud-based tracking and documentation system

Total Cost of Ownership

Skytron offers solutions designed to deliver the highest performance with the lowest overall cost of ownership. Skytron’s Total Cost of Ownership (TCO) program provides customers with a plan to prevent as much equipment down-time as possible, and a defined annual cost of ownership for confident budgeting.

- With TCO, customers receive:
  - 98% up-time guarantee
  - Labor for routine and emergency maintenance
  - OEM certified technician and documentation
  - All OEM parts, including lamps
  - 1 annual PM

Need more help? We’re just a phone call away. 800-759-8766
About Skytron: Skytron is a healthcare efficiency company specializing in capital equipment that drives performance in today's healthcare facilities. Our solutions enhance the utilization of people, facilities and capital because they are designed with the user in mind and have a low, long-term cost of ownership. We offer full-room solutions in Clinical, Infection Prevention and Clinical Business Intelligence products. To learn more, visit our website at www.skytron.com