

Skytron

UVC Disinfection Robots

The best value in UVC disinfection



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.



Performance



Dose Assurance



Value

Skytron UV Complete Portfolio



FEATURES	IPT 1140 Sentry	IPT 2280 Syndicate	IPT 3200 Max
Power Level	★ ★ ★	★ ★ ★ ★	★ ★ ★ ★ ★
SmartDosage UV™	✓	✓	✓
Steri-Trak™	✓	✓	✓
Comprehensive Safety	✓	✓	✓
Field Balance			✓
PowerBoost UV™			✓
Removable Emitter	✓	✓	

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

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

PowerBoost UV™

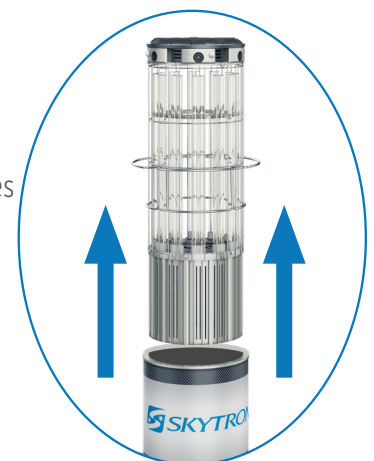
- Enhances generation of UVC energy
- Contributes to best-in-class disinfections

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

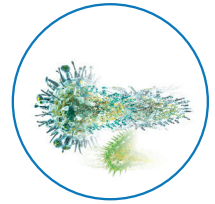
Removable Emitter

- Small footprint
- Easily fits in confined spaces
- Ideal for EMS and Aeromed applications



Problem

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 disease^{3,4}
- 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 disinfection⁴

1. "The HAI Problem ." The HAI Problem | Preventing Hospital Acquired Infections. Infection Prevention Technologies, n.d. Web. 10 July 2017

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

3. Weber, Rutala, Miller et al. AJIC 2010;38:S25

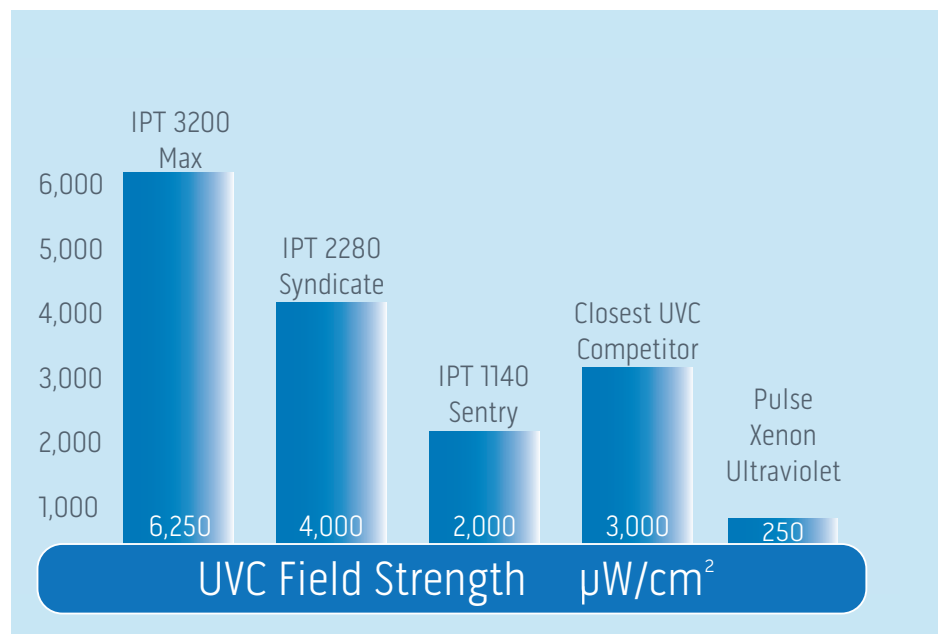
4. Carling PC. Infection Control and Hospital Epidemiology. 29(1), 1-7. Eckstein BC. BMC Infectious Diseases, 7, 61. doi: 1471-2334-7-61. Manian F. ICHE, 32(7), 67-72.

5. Weber, Rutala, The Role of the Environment. Infection Control and Hospital Epidemiology March, 2011

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



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 Higher pathogen kill rate
Multi-cycle treatments Requires repositioning	Single-cycle treatments No repositioning	Optimizes staff workflow
Manual or inconsistent tracking process	Steri-Trak™ digitally schedules, tracks and accounts for treatments	Automatically records disinfection metrics Reduces human error Provides real time data analytics
Inability to measure UV dose Unknown disinfection efficacy	SmartDosage UV™ Dose Assurance Technology	All surfaces disinfected every time Reduces human error Eliminates danger of under-dosing

Our Process

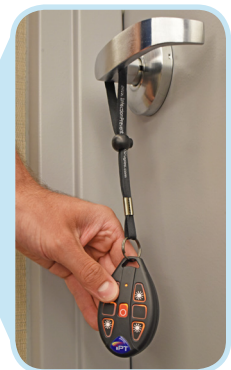
1. Setup

- Position emitters in room, based on facility implementation strategy



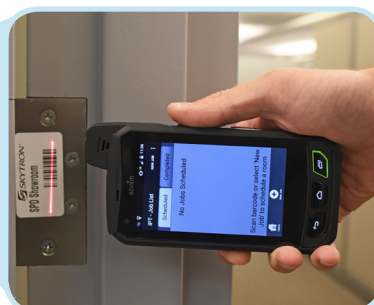
2. Safety settings

- 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.)

- Log into wireless remote with Operator PIN (5 sec.)
- Scan room barcode (2 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

Positioning Guide

Peer-Reviewed Hospital Study

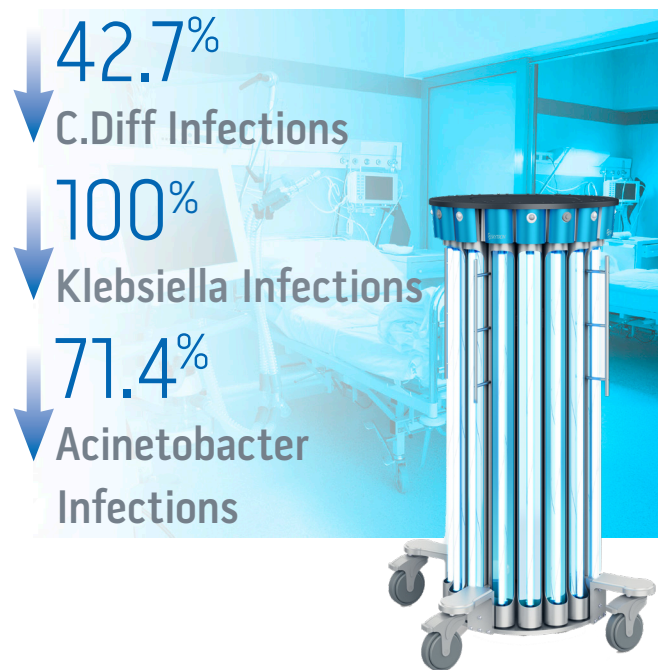
- Significant reductions in HAI incident rates
- Conducted hospital-wide with 95% of the rooms in the entire facility being treated
- Conducted over a 6-month period
- Study conducted totally independent of Skytron
- No bias or conflict of interest

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

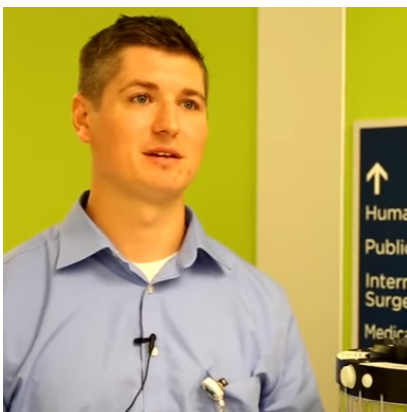
1. The effectiveness of UV-C radiation for facility-wide environmental disinfection to reduce health care-acquired infections
Napolitano, Nathanael A. et al. December 2015.
American Journal of Infection Control, Volume 43, Issue 12, 1342 - 1346

2. "IPT™ 3200 UV Robot at Mercy Health Anderson (Cincinnati)." Local 12 News.com. 5 Aug. 2015. YouTube.



Customer Testimonials

The Jewish Hospital 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."

See all videos here



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

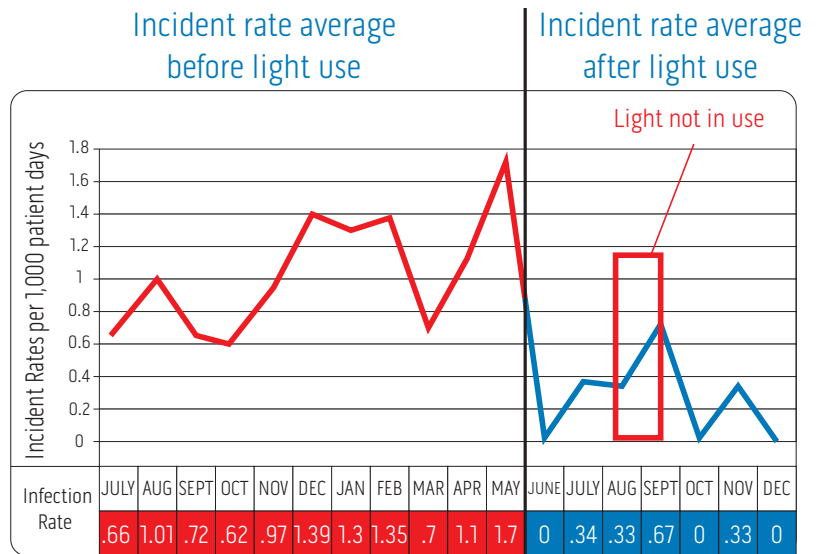
High Throughput

- 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
Leitch RN, BSN, CIC, Rhonda. et al. July 2010-December 2011.
McLaren Oakland



Service

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



Circle of Infection Prevention Solutions



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**



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