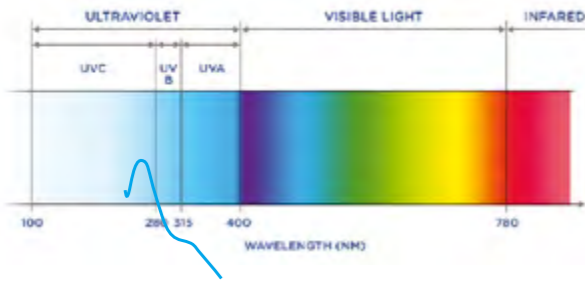


## UVC - HOW IT WORKS



UVC is proven to kill known pathogens at 253.7 nanometers

### Why Continuous Wave UVC is the right Choice and the only thorough approach to disinfection

#### PREVENT HAIs AND CONTAIN OUTBREAKS

Continuous wave UVC eliminates 99.999% of Healthcare-Associated Infection (HAI) culprits in minutes including *Clostridium difficile* (C.diff.), Methicillin-resistant *Staphylococcus aureus* (MRSA), Vancomycin-resistant Enterococci (VRE), Ebola, Norovirus and other pathogens including gram negative pathogens that compromise patient outcomes, reducing the risk of transmitting infections via contaminated high-touch surfaces.

#### DOSE ASSURANCE GUARANTEE

Validated disinfection of all high-touch surfaces. Hospital Room configurations vary widely and contain many pieces of furniture and equipment

THOR UVC® uses patented room scanning technology which will map the room and identify any clutter and shadows present THOR® then delivers a measured output of high intensity UVC to ensure an effective UVC dose at 253.7nm is delivered to high touch surfaces including shadowed areas from a single placement.

#### SHADOW REDUCTION TECHNOLOGY.

THOR® has patented shadow reducing technology. The UVC array hits surfaces from multiple angles.

#### SAFEST

High output low pressure lamps provide the most efficient delivery of UVC energy and are endorsed

by the EPA and Department of Energy for use in the healthcare environment.

#### MOST COST EFFECTIVE

THOR™ can be used to enhance workflow and management of room turn over time.

#### CDC Study

"We selected Constant Wave UVC for CDC's epicenter BETR (Benefits of Enhanced Terminal Room) Disinfection Study because it is proven to significantly reduce environmental pathogens and eliminate human error in the disinfection process (verses other technologies)."

Medical Director of the Duke Infection Control Outreach Network (DICON)

#### CD STUDY - REAL WORLD APPLICATION, REAL WORLD RESULTS

Constant Wave UVC was chosen as the technology of choice for the CDC-funded Benefits of Enhanced Terminal Room (BETR) Disinfection study in conjunction with Duke University, the University of North Carolina and eight other hospitals in the region that concluded in late 2014. This epidemiologically sound study relates specifically to Constant Wave UVC impact on infection reduction. The comprehensive study involves 25,000 disinfection cycles and 100,000 patient days.



The only UVC disinfection system with shadow eliminating features and **EVEN MORE SUPERBUG KILLING POWER!**



**FinsentTechnologies**

Versatile UVC disinfection systems

For further information on the THOR® range and other products from Finsent UVC disinfection systems please visit our website: [www.finsentech.com](http://www.finsentech.com) or contact our team: Email: [sales@finsentech.com](mailto:sales@finsentech.com) Call: +44 (0) 207 193 5641







## MORE POWER

THOR UVC® disinfection kills more germs in the fastest time

THOR® is the latest constant wave UV-C surface and air Disinfection technology designed specifically for areas of the hospital and healthcare environment. THOR® incorporates unique patented design features that reduce shadowing. Log 6 reduction (99.9999%) bacterial kill achieved in minutes\*

## EFFICACY

Superior disinfection. High output UVC bulbs.

## RAPID

Fastest turnaround times.

## EASE OF USE

Safe and simple to operate.

## LOW COST

### WHAT THOR® KILLS

As per the Kowalski Ultraviolet handbook. UVC is proven to kill pathogens. Below are examples of some very infectious pathogens that THOR® will destroy over a rapid disinfection cycle.

As reported by the Health & Safety Laboratory.



Robotically extends to 2.1m



Easy to Transport



Auto Room Entry Detection



Auto Generates Cleaning Reports



mm Precision 360° Scanning



Faster Disinfection



Floor to Ceiling Disinfection



Extends to Shadowed Areas



Enterococcus



Ebola

THOR® System			
Challenge Organism	BSA Concentration %	% Kill	Log Kill
A. baumannii	0.03	100	5.82
A. baumannii	0.3	100	6.3
MSSA	0.03	100	6.58

\*As per testing by the Health & Safety Laboratory – Occupational Hygiene Unit Analytical Services 30/3/2012

\*\*Oral Abstract Session: SHEA Featured Abstract. The BETR-Disinfection study. 09/10/2015

## PLACEMENT

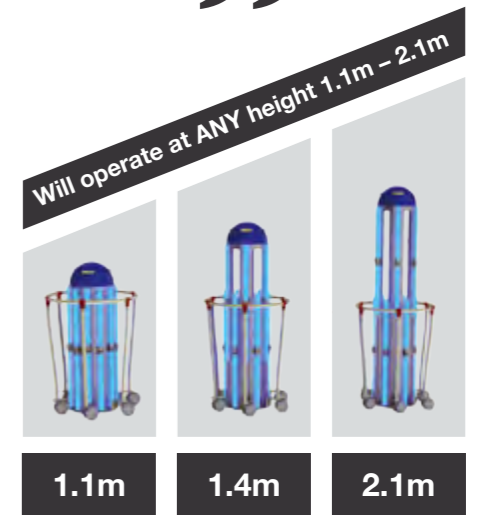
THOR® is optimally positioned and extended to eliminate pathogens within dark and shadowed areas.



“

THOR's performance was better than the other systems tested during the controlled evaluation.

”



ROBOTICALLY EXTENDS TO 2.1m ELIMINATING SHADOWS

The study of samples placed in a furnished test chamber gave levels of the THOR® system kill of > 6.23-logs. This is an average of 6.23 log reduction... the upper limit was 6.58\*

Constant Wave UV-C is now proven to be effective in reducing HAIs... as per the recently completed 28 month CDC study proving that Constant Wave UV-C can reduce HAIs caused by target MDROs by up to 37%\*\*



Faster Disinfection | Floor & ceiling disinfection | Extends to shadowed areas