



THE NEXT GENERATION OF AUTOMATED UVC DISINFECTION

# Introducing THOR UVC®

## A REVOLUTIONARY TOTAL ROOM DISINFECTION ROBOT.

It is used to terminally clean both air and surfaces and will eradicate and **eliminate 99.9999% of healthcare associated infections (HAI) in minutes.**

THOR UVC has many unique features, it has emitters that go from floor to ceiling eliminating areas of shadow. It is also the only UVC system available worldwide that provides 3 pre-treatment room scans, ensuring that the most efficacious disinfection cycle is delivered each and every time.

## THOR UVC = INNOVATION

### DESIGNED FOR OPTIMAL DISINFECTION PERFORMANCE AND OPERATOR EASE-OF-USE.

#### Shadows are the enemy of any UVC disinfection solution.

With that in mind, we designed THOR UVC with the most comprehensive shadow reduction technology on the market.

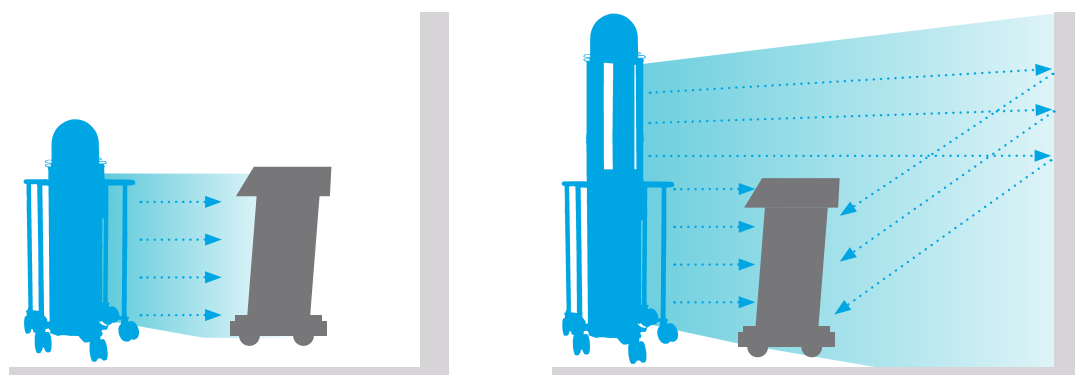
#### New heights for UVC disinfection.

THOR UVC extends from 6cm off the floor to 2.25m ensuring complete floor to ceiling disinfection. THOR UVC's unique patented telescoping feature senses the height of the room eliminating shadows and exposing more of the room to germicidal doses of UVC.

#### When they go high, we go low.

Compared to other UVC competitors, some that start as high as 63cm off the floor, THOR UVC's low slung base starts at 6cm. With the height of the telescoping tower and low base profile, THOR UVC reduces shaded areas from "floor to ceiling".

THOR UVC's telescoping feature reduces shadows and provides dosage in areas other systems cannot.

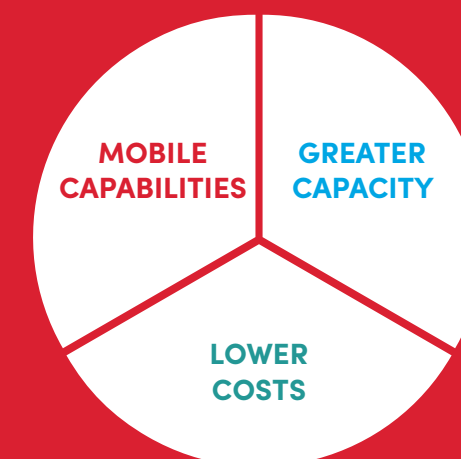


# THOR UVC® = VALUE

## HIGH QUALITY, LOW COST OF OWNERSHIP

THOR UVC is the only high output UVC system that graphically guides the operator to deliver the selected germicidal levels of UVC energy. This is done with the confidence that consistent UVC germicidal energy is delivered regardless of room size. With shadow reduction, efficient labour time and attractive capital and system operating costs, it all adds up to greater value for you.

- Low acquisition cost
- Efficient 9,000 hours per bulb
- Best-in-industry comprehensive maintenance mitigates downtime
- Proprietary room mapping for optimal unit placement in a room, reducing cycle time
- Shadow-reducing technology minimises additional cycles per room
- Financial solutions designed to fit your needs





### HEIGHT AWARENESS

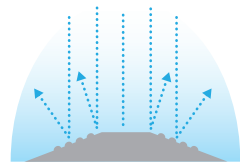
Integrated ultrasonic height sensor, adjusts to any height between 1.49m to 2.25m.

### TELESCOPING FEATURE REDUCES SHADOW

Robotically telescopes up to 2.25m eliminating shadows.

### FLOOR TO CEILING DISINFECTION

THOR UVC® robot extends from 6cm off the floor to 2.25m ensuring complete floor to ceiling disinfection.



### EFFICIENCY

Proprietary **waveform** reflector panels allow for maximum UVC light distribution outwards where it's needed.

### THE PERFECT MOBILE SOLUTION

Wheelbase is identical to that of a standard wheelchair.

### LOW BASE PROFILE

Low profile eliminates shadows and introduces germicidal UVC light closer to the floor.



### STATE-OF-THE-ART LIDAR

Deploying 360° laser with pan-and-tilt scanning to measure and map a space and its contents to a centimetre accuracy, delivering the specific time to terminally clean an area.



### SAFE

Four integrated PIR room sensors detect if someone enters a room during a disinfection cycle and automatically shuts off. Additionally, there are two manual stop buttons.

### LIGHTWEIGHT

Constructed out of durable, lightweight aluminium, THOR UVC can be rolled anywhere by anyone with ease.

### PHILIPS SIGNIFY BULBS

24 of the most powerful UVC emitters from the leading manufacturer Signify, for maximum germicidal efficacy.

### BALANCED

Six oversized casters give THOR UVC plenty of balance when manoeuvring in and out of rooms.

The large casters cover more ground, allowing operators to easily roll THOR UVC over thresholds.

# THOR UVC® = POWER

## HIGH OUTPUT POWER, PROVEN DISINFECTION.

With a name like THOR UVC, you have to be powerful.

Equipped with 24, 95W emitters, THOR UVC boasts an impressive 648W of total UVC output—the highest amounts of germ and pathogen killing constant wave UVC on the market today.

This high output emission is automatically managed by THOR UVC's LiDAR to achieve the selected germicidal exposure. This eliminates sources of human error and ensures delivery of consistent germicidal UVC to the entire desired space, whether large or small.

Backed by Kowalski's study on *Predicting the Ultraviolet Susceptibility of Viruses and Bacteria*, THOR UVC's calibrated cycle times deliver average disinfection rates that routinely exceed 5 to 6 log reduction.

# THOR UVC® = ACCURACY

## LIDAR ROOM MAPPING—WELCOME TO THE NEXT LEVEL OF UVC DISINFECTION.

The use of LiDAR in a UVC disinfection system is unprecedented, and we hold the patent on this.

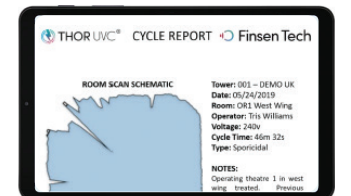
Used extensively in high tech applications, such as NASA for space exploration, LiDAR (Light Detection and Ranging) works by measuring how long a laser takes to reach an object and reflect back to the LiDAR sensor. So accurate is LiDAR that we incorporated it into THOR UVC, and even today, THOR UVC remains the only UVC system on the market that uses this highly advanced technology.

Using LiDAR, THOR UVC maps room and provides the user with a disinfection plan which details the exact time for terminal disinfection. Upon completion of the cycle, THOR UVC sends the disinfection report to the Finsen Tech cloud for instant retrieval in perpetuity, leaving no guesswork for your Infection Control Team and allowing them to plan their time more efficiently.

This game-changing technology provides more accuracy, efficiency, eliminates guesswork, and it's totally unique to THOR UVC.



LiDAR (Light Detection and Ranging)



Room mapping reports are displayed on the operators THOR UVC tablet (included).

## WHAT OUR CUSTOMERS HAVE TO SAY...

We undertook a detailed review of the UVC sector and out of all of the products available, THOR UVC stood out due to the level of independent scientific validation, UVC output, competitive pricing, ease of use and the accuracy of the dosage thanks to the integrated room scanning LiDAR. We purchased our own THOR UVC system and it quickly became an important member of our IPC team.

– Cheryl Cunningham, MBA-HC, RN, CASC, CAIP, Administrator

See THOR UVC in action.





Designed for today's demanding total room disinfection.  
[www.FinsenTech.com](http://www.FinsenTech.com)

## Let's talk.

Whether you are researching or already have a disinfection system, let's discuss the benefits that THOR UVC® can bring to your facility. Call **+44 (0) 207 193 5641** or email us at [sales@finsentech.com](mailto:sales@finsentech.com).

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Innovation in Disinfection