

A POWERFUL TRILOGY IN INFECTION CONTROL

AIR • SURFACES • DEVICES

FinsenTECH
Innovation in Disinfection



THOR[®] Solution for Surface & Air Disinfection

THOR UVC utilizes unique room-mapping technology to deliver a fast and effective floor-to-ceiling germicidal dose of continuous-wave UVC energy.

Telescoping

Floor to Ceiling UVC – under and over clutter to maximize disinfection cycles, reduce risk of infection. Better line of sight eliminates more pathogens.

Zero-Shadow Halo

Shining light on pathogens lurking underneath; cleaning often dirty floor space, wheels that track germs throughout a facility, reducing cross-contamination.

LiDAR Room Mapping

Lasers the room, contents for exact UVC dosage each cycle for faster, accurate, and timed disinfection without guesswork.

Differentiating Features

- ◆ Zero Shadow™ undercarriage UVC. Cleans wheels and floor under THOR. Stops cross contamination.
- ◆ LiDAR maps room and contents 3 times (1,080 measurements).
- ◆ Ultrasonic Sensor for height safety.
- ◆ 4 waist-height Passive Infrared Sensors (PIR) provide a safe way to prevent unintentional exposure.
- ◆ IoT connected to Finsen Tech Cloud (browser access and email alerts).*
- ◆ 4.5 feet – UVC lights are 2" from floor, direct line of sight for UVC to reach under equipment/furniture.
- ◆ 7.5 feet Telescope height, attacking shadows both low & high.
- ◆ 24 Constant wave, 95W Philips emitters (2280W). Open, "Spider" base to eliminate shadow.
- ◆ Spectral Diffusion Panels with 98% reflectivity for more UVC, faster cycles.



EIR[®] Solution for Air Purification

EIR inactivates airborne viruses by exposing them to intense UVC dosage in conjunction with a High-Efficiency Particle Arresting Filter (HEPA).

Large Volumes of Air

Cleans up to 70,000 cubic ft per hour to 99.995%, repeatedly. More air exchanges, higher safety.

Combining the most UVC Power & HEPA 14 filtration

Kills pathogens and filters them for cleaner air purification for staff and visitors.

Low Volumes of Noise

Quiet Operation means safety without distraction. Work in peace at ~40dB.

Differentiating Features

- ◆ Prefilter > UVC > HEPA. Ensuring clean air mechanically and biologically.
- ◆ 5' 4" tall to maximize effectiveness of UVC "kill chamber." 3 sizes with minimal footprint.
- ◆ Safety: Automatic shut off, when door opens.
- ◆ Ease of maintenance: simple light, filter changes.
- ◆ Ease of operation: plug in and press on.
- ◆ Constant 253.7nm, most disinfecting UVC available in a portable air purifier.
- ◆ 2 x G3 Prefilters and HEPA14 for most effective filtration
- ◆ Multiple Constant wave, 95W Philips emitters to max air cleaning.



ZEUS[®] Solution for Object Disinfection

Smart UVC Cabinet

Zeus Smart UVC Cabinet is a six plane, high intensity UVC disinfection chamber with a plug and play design and proven effectiveness.

Combining the most UVC Power & 6 plane exposure
Kill pathogens, 360° coverage regardless of the shape of the object.

Fast & Complete Disinfection
Up to log 11 (99.999999999%) kill in 4 minutes.

Plug & Play Ease of Use
Seamless user experience without the need for complex configurations or technical expertise.

Differentiating Features

- ◆ Constant 253.7nm, 276 W of pure UVC generated.
- ◆ Specialized quartz glass to allow full UVC pass through.
- ◆ Up to log 8 (99.999999%) kill in 30 seconds.
- ◆ 30 second cycle ~ 8,950 $\mu\text{W}/\text{cm}^2$ (cycle time also adjustable to allow for different kill rates for different organisms, up to 4 minutes/8 log).
- ◆ Load – RFID recognition – 30 second cycle – No touch door opening – unload.
- ◆ Automatic shut off, when door opens and magnetic interlock control.
- ◆ IoT connected to Finsen Tech Cloud (browser access and email alerts).*



HYPERION[®] Solution for Large Object Disinfection

Large UVC Chamber

HYPERION is the largest high performance UVC chamber currently available with full six plane exposure.

High UVC Chamber, 6 plane exposure, (1 meter³ = 35 ft³)
Kill bugs, regardless of the size of the portable object.

Fast
Up to log 6 (99.9999%) kill in 30 seconds.

UVC Power
Constant 253.7nm, 40 x 25 W bulbs High Output UVC.

Differentiating Features

- ◆ Constant 253.7nm, 40 x 25 W bulbs High Output UVC.
- ◆ Automatic shut off, industrial grade interlock.
- ◆ 30 second cycle.
- ◆ Easy operator control (start button, stop button).
- ◆ Internal 1 cubic meter; 35 cubic feet. For large objects.
- ◆ High strength mesh.
- ◆ Integrated wheeled stand.

* All devices are IoT connected through the Finsen Tech Cloud.

