

ESCALATOR MEDIA HANDRAIL STERILISER

BY MOTION ICON UK & EUROPE



IT'S NOT A CHOICE...
IT'S ESSENTIAL



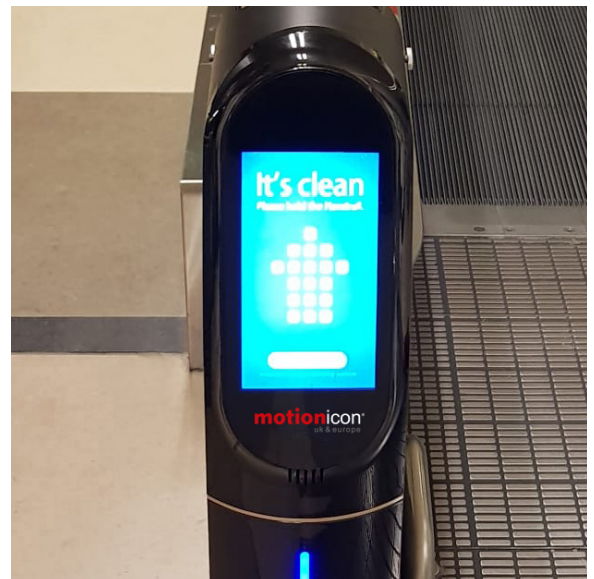
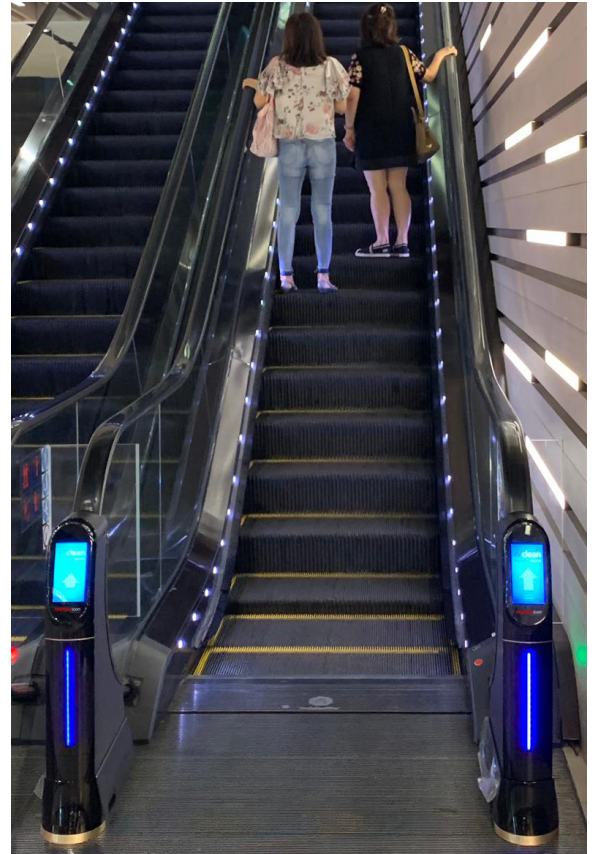
ESCALATOR MEDIA HANDRAIL STERILISER

MotionIcon UK & Europe has always had safety in mind with passengers and we have now launched a range of European Licensed and Patented safety management products for escalator handrails. What we are offering is not a choice, it is essential for your passengers health and your escalator safety nationwide.

When using an escalator, do you hold onto the handrail? People use escalators everyday in transport hubs, airports, railway stations, underground stations, hospitals, hotels, stadiums, shopping centres, department stores, retail stores and more... **leaving passengers exposed to hazards such as disease and bacterial infection** due to viruses and bacteria existing on the handrails. Some people do not hold unhygienic handrails and this becomes a safety threatening factor.

The **Escalator Media Handrail Steriliser** is the world's first IoT (Internet of Things) - combined handrail steriliser that makes sure of the **perfect removal of bacteria and viruses through 99.9% sterilisation by UV Lamp**. In addition to this the 7 inch monitor shows the real-time hygienic condition of the handrail audiovisually so that passengers can hold the handrail without fear of infection.

The IoT-combined comprehensive system, provides 24-hour monitoring service of escalators through mobile application and immediate alert will be sent to the administrator in case of an accident. It also records the number of escalator users and provide the current location information to the passengers.



FEATURES & BENEFITS

- ✔ **7 inch LCD monitor:** Advertise your own product on the monitor. Video, Images and Sound can be controlled with high-quality imagery available.
- ✔ **Automatic operation:** Automatic operation with motion sensor. Notification service for escalator reverse.
- ✔ **Temperature sensor:** Temperature measurement to prevent internal overheating. Automatic cooler operation.
- ✔ **Counting passenger system:** Check the number of people passing through motion recognition sensors.
- ✔ **Triple cleaning rollers without electricity:** Any foreign materials can be removed. No scratch left on handrail. Automatic design with motion sensor.
- ✔ **Self-generating / self-charging battery:** Self-generating system without power supply and electricity.
- ✔ **Disinfectants:** 99.9% of bacteria and viruses are killed with eco-friendly disinfectant and UV lamp. Easy to replace liquid bottles.
- ✔ **UV Lamp:** Powerful lamp equipped to killed 99.9% of bacteria and viruses.

ESCALATOR MEDIA HANDRAIL STERILISER

FUNCTION



Consumable Goods
Cleaning Roller & Cleaning Liquid

Sterilisation & Cleaning

99% Removal by sterilising liquid (1st Cleaning and sterilisation)
+ UV LED (2nd sterilisation)

- Powerful disinfection to remove germs and viruses.
- 3-stage cleaning rollers rotating to remove contaminants.



3-stage cleaning rollers



Eco-friendly cleaning liquid



UV LED

Visual Promotion & Marketing

Visual communication through monitor

- Monitors visually indicating sterilisation and cleaning are in progress.
- Indicators showing moving direction of escalator and announcement.



Sterilisation & Cleaning Guide



Advertising



Promotion

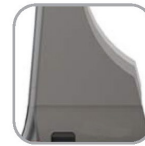
Efficient Management

Efficient management through control solution

- Quick A/S check by real-time monitoring using web functions and apps.
- Adjustable height that enables it to be installed on all manufactures' escalators.
- Motion sensor that ensures it only works when the escalator is running.



Web/App control solution



All E/S compatible

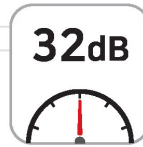


Motion sensor

Safety & Convenience

Product safety

- Free from noise problems indoor use (no noise).
- Easy removal and attachment for easy maintenance.
- Prevent accidents such as getting jammed.



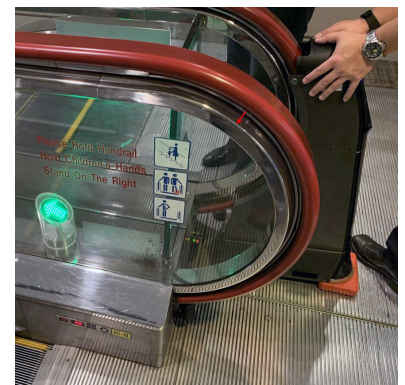
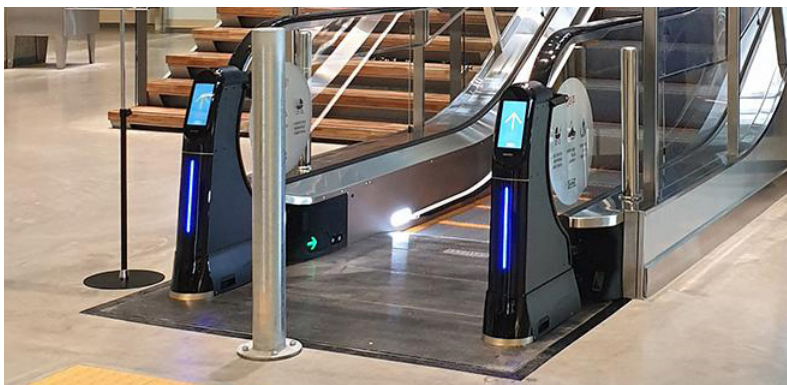
Low noise



Easy removal and attachment



Designed to prevent skin pinching

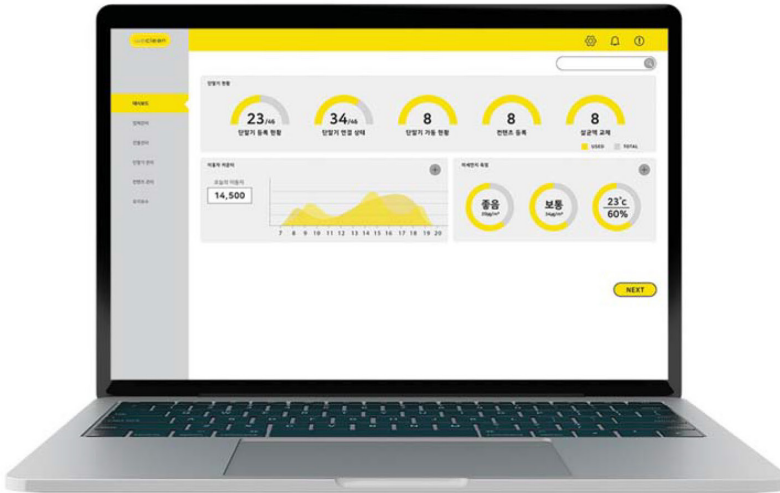


IoT-CONTROL SOLUTION

IoT based control solution (SWIT-MSC 1.0)

The MSC 1.0 technology enables remote maintenance of the media handrail steriliser as and when required and how to replace the consumable components. This ensures faster and smarter troubleshooting in the event of failure by enabling the service engineer to check the cause of the failure and informs them how to repair the media handrail steriliser before arriving on site. In addition to this, you can see the measuring user counter and indoor pollution levels and data analysed by geographical monitoring through big data analysis which can be used for marketing materials.






Product Monitoring & Control

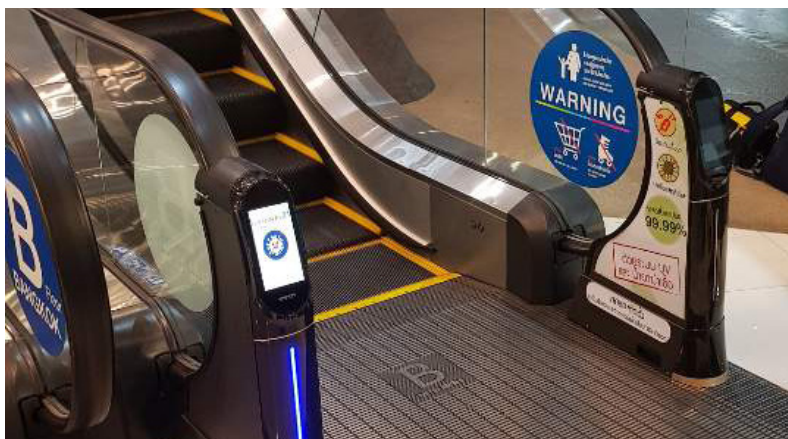


You can check the status of consumables and the replacement of consumables, A/S application, and process details through the smartphone application.

Device registration, real-time monitoring of consumables, video content modification

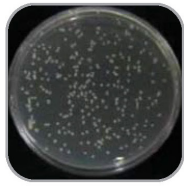
SMART POLE

-  Can be connected to autonomous driving function
-  Mover counter
-  Fine dust measurement
-  Temperature and humidity measurement
-  Disaster prevention system (please ask for further details)

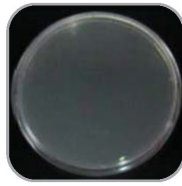


BEFORE & AFTER

Bacterial detection result and cleaning roller condition before and after installation



Bacterial detection count: 273



Bacterial detection count: 0



Rollers before cleaning



Rollers after one month



Cleaning cloth before handrail steriliser installation



Cleaning cloth after handrail steriliser installation



Handrails before cleaning



Handrails after cleaning

FACTS



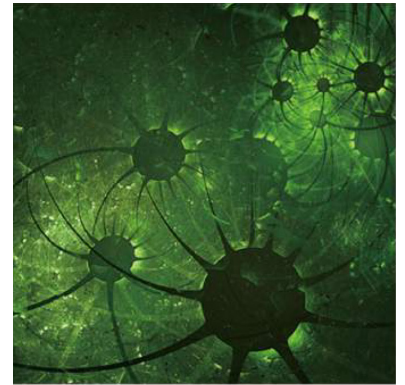
1

UV disinfection methods other than chemicals or heating system doesn't deform bacteria and viruses.



2

This device can be **easily installed** on all manufactures' escalators by our team.



3

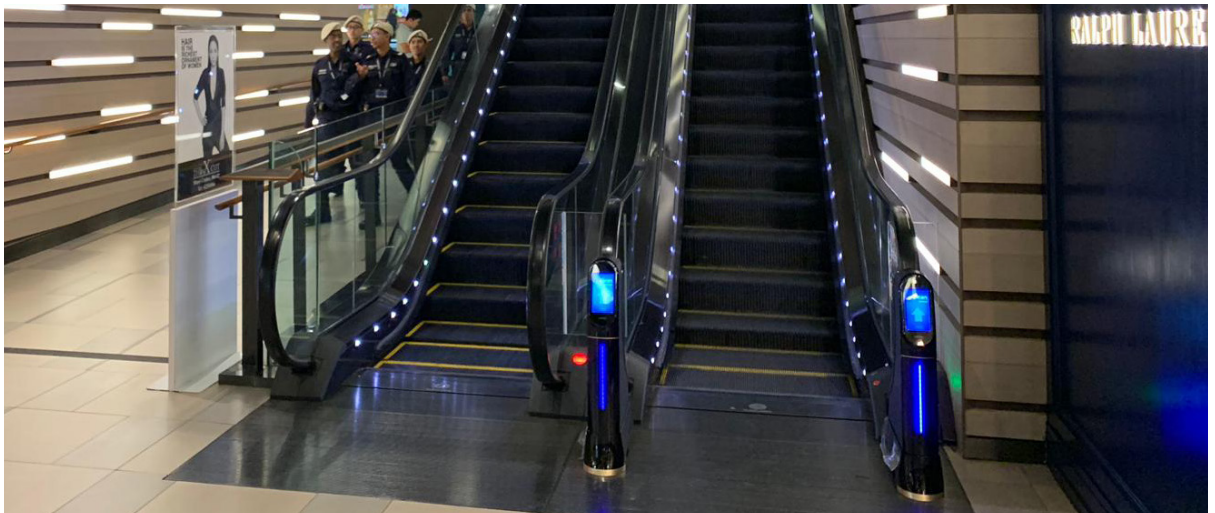
Sterilisation effectiveness to **all bacteria**. This includes **Candida, Influenza virus, Coronavirus** and is **certified for E. Coli, Staphylococcus Aureus**.

COMPARISON

	UV STERILISATION	HEAT STERILISATION	OZONE STERILISATION	CHEMICAL STERILISATION	RADIO STERILISATION
STERILISATION OF MYCETOMA	Effective against all	Effective against all	Effective against all mycetomas	Effective against specific	Effective against all
PHYSICAL PROPERTY CHANGE (HANDRAIL)	Little change	Occasional	Occasional	Occasional	Little change
PERMEABILITY	No permeability (except air and water)	Effective even inside the object	Effective on the object surface	Effective even inside the object	Effective even inside the object
STERILISATION TIME	Short	Considerably	Long	Considerably	Short
USAGE	Easy	Occasionally	Difficult	Easy	Difficult

TECHNICAL SPECIFICATIONS

ITEM	MODEL - E	MODEL - G
MAIN BOARD	ARM Cortex™-A7 Dual- Core / DDR3 1G	
STORAGE	eMMC(4.5) 4GByte / MICRO SD CARD 16GByte	
OPERATION SYSTEM	ANDROID 4.2.2 (Jelly Bean)	
MANAGEMENT PROGRAM	SWIT-MSC 1.0	
DISPLAY	7 Inch LCD Panel 800 x 480	
SPEAKER	Speaker Out (2.0W)	
WIFI & USB	WLAN 802.11 b/g/n 2.4GHz / 5GHz & USB 2.0	
UV LED	UV-C 275nm	
BATTERY		Li-ion 5,000~16,500mAh
ELECTRIC POWER SOURCE	DC Adaptor 12V 2A	Generator: 15W-25W
PRODUCT SIZE	186 x 510 x 862mm	
PACKAGING SIZE	200 x 670 x 950mm	
PRODUCT WEIGHT	18kg	20kg
OPTIONAL ITEMS		
MOVER COUNTER SENSOR	940mm Laser VCSEL	
FINE DUST SENSOR (PM SENSOR)	Laser particle sensor module_PM2.5, PM10	
TEMPERATURE & HUMIDITY SENSOR	Heating flow type -40°C~125°C, RH 0~100%	
CONSUMABLES		
CLEANING ROLLER	Sponge R/L: 1ea Cleaning R/L: 2ea	
STERILISATION LIQUID	Hydrogen Peroxide (0.5%) Sodium Benzoate (1.0%) Purified Water (98.5%)	





WOULD YOU STILL HOLD AN ESCALATOR HANDRAIL WITHOUT THIS?

If you would like to find out more information
please email enquiries@motionicon.co.uk

