EXTRA PRO

AUDIO · VIDEO · LIGHTING · SOLUTIONS

HEALTH MANAGEMENT & DISEASE PREVENTION SOLUTIONS

UVC Disinfection System
Pendant Light Purifier,
Integrated Screening Device,
UV Handrail Sterilizer,
Plasma Money Sterilizer,
Protective Face Masks,
Smart Gloves

(ANTI-COVID-19)

Applying the Power of Technology & Innovation to Disease prevention

As a multidisciplinary firm, providing tech-based solutions for a variety of industries, ExtraPro has always believed in the power of innovation. It has been our guiding mission to use technology to help our clients meet the business needs not just of today, but of the future. Now, in this rapidly evolving environment, we have applied that expertise to bring you the latest in Health Management & Disease Prevention.

These state-of-the-art products employ advanced disease detection and disinfection technology for a broad range of scenarios, business types, and locations- both private and commercial. The product range includes UVC Disinfection Systems, Thermal Scanners, and Protective Masks. As always, ExtraPro solutions are end-to-end, and our clients can expect the same level of service from supply all the way to after sales service. As many companies begin to resume business in the new normal, we at ExtraPro would like to work alongside you to create a safe and sustainable environment, lighting the way into a bright and healthy future.

PRODUCT RANGE

UVC DISINFECTION SYSTEMS

PROTECTIVE FACE MASKS

STERILIZATION SYSTEM

PENDANT LIGHT PURIFIER

UVC B AIR

SAFEBOX STERILIZER

INTEGRATED SCREENING DEVICE

PLASMA MONEY STERILIZER

SENSOR SANITATION LAMP

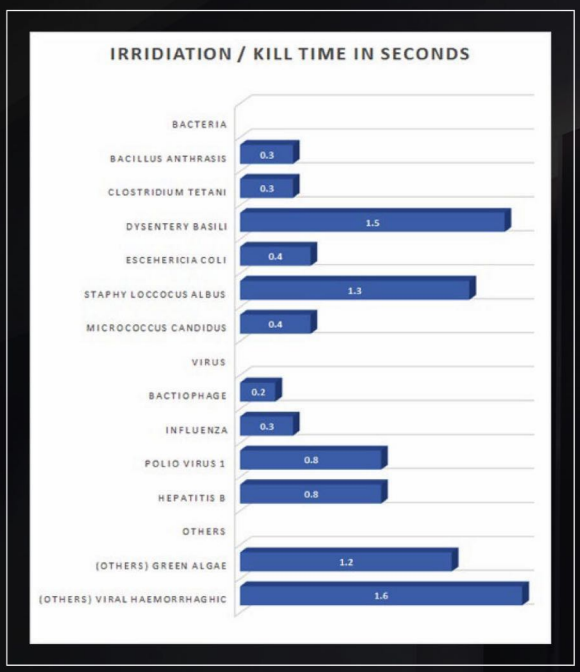
HANDRAIL UV LED STERILIZER

SMART GLOVE

CLOTHING STERILIZATION

UVC LIGHT REDEFINED

Germicidal UV light has long been used in the treatment of tuberculosis and to disinfect hospitals. Now UV air purifiers are utilizing short-wave ultraviolet light (UVC light) to inactivate airborne pathogens and micro-organisms like molds, bacteria and viruses, reducing indoor air pollutants.



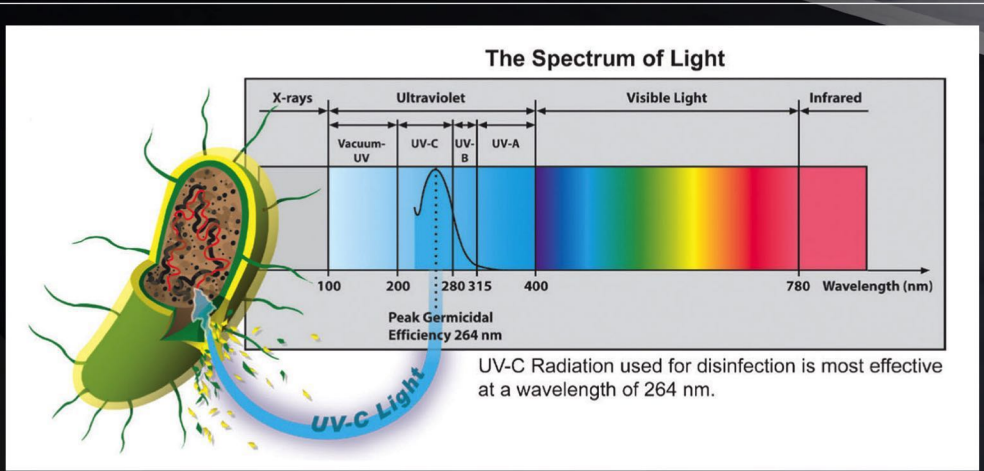
*According to the (AGT) American Green Technology, The CDC (Center for Disease Control) recommends pressure, filtration, purification and dilution is required to neutralize 99% of airborne pathogens.

Required "Irradiation Time" to Eliminate Micro-organisms under 30,000 ws/cm2 of UV254nm

UVC vs Coronavirus causing COVID-19
Ultraviolet light can be an effective measure for decontaminating surfaces that may be contaminated by the SARS-CoV-2 virus by inducing photo dimmers in the genomes of microorganisms.
The novel coronavirus is a kind of positive-sense single-stranded RNV virus, same as the SARS and MERS virus. Researches on SARS found out that like any other virus, this kind of corona virus is also sensitive to heat radiation and UVC light.

WHAT IS UV-C LIGHT?

Ultraviolet (UV) light is a range of light frequencies that are mostly invisible to the human eyes.
The UV-C is most effective at killing germs because its short wavelength is able to penetrate the cell walls of microorganisms and scramble their DNA.



BENEFITS OF UVC TECHNOLOGY

UVC radiation has been proven to be effective against waterborne and airborne pathogenic micro-organisms including those responsible for cholera, hepatitis, polio, typhoid, giardia, cryptosporidium and many other bacterial, viral and parasitic diseases

UVC installations have low capital and operation cost.

UVC technology is environmentally friendly.

UVC installations are easy to operate and to maintain.

UVC radiation has no harmful effect when overdosed on surfaces, water or air.

UVC radiation works instantly and the effectiveness does not depend on the temperature.

UVC disinfection is a physical process: no substances are added.

The UVC disinfection effect is directly related to the UV dose (which is the product of intensity and exposure time of the micro-organisms) so it's effectiveness can be simply measured once the system design is validated

UVC IS APPLICABLE IN THE FOLLOWING FIELDS:

- Offices
- Military
- Schools
- Hospitals
- TV studios
- Supermarkets
- Large companies
- Retirement Homes
- Petrol station chains
- Public transportation
- Medial equipment wholesalers
- Electrical products wholesalers
- Public and government buildings
- Medical equipment manufacturers

B DIRECT

Single Direct UVC radiator with reflector

B Direct disinfects air and surface (up to 22 m²), prevents secondary infections and eliminates bacteria, viruses, and fungal and mold spores in the air. All direct radiating fixtures have a standard double security with a moving sensor and an extra safety. It can be used in production halls, hospitals, health care facilities, pharmacies, public transport and many more.

- Disinfection time < 15min
- Wavelength of 254nm (UVC)
- Mounting: wall, ceiling or tripod
- Protective foil for radiator (on request)
- Radiators replacement: once a year
- Movement sensor standard included

Important safety instructions!
Never allow human beings under direct radiation of UVC.

BDIRECT	SPECIFICATIONS
Coverage	Up to 22 m²
Light Source	1x TUV 55 W HO
IP Rating	IP20
Input power	57W AC 220 - 240 V 50/60 Hz
Dimensions	940 x 135 x 165 mm

B DIRECT II

Double Direct UVC radiator with reflector

B Direct II disinfects air and surface (up to 38 m²), prevents secondary infections and eliminates bacteria, viruses, and fungal and mold spores in the air. All direct radiating fixtures have a standard double security with a moving sensor and an extra safety. It can be used in production halls, hospitals, health care facilities, pharmacies, public transport and many more.

- Disinfection time < 15min
- Wavelength of 254nm (UVC)
- Mounting: wall, ceiling or tripod
- Protective foil for radiator (on request)
- Radiators replacement: once a year
- Movement sensor standard included

Important safety instructions!
Never allow human beings under direct radiation of UVC.

BDIRECT II	SPECIFICATIONS
Coverage	Up to 38 m²
Light Source	2x TUV 55 W HO
IP Rating	IP20
Input power	112W AC 220 - 240 V 50/60 Hz
Dimensions	940 x 135 x 245 mm

B AIR

Indirect UVC air disinfection unit

B AIR takes care of 24h air disinfection in the presence of people and animals and eliminates bacteria, viruses, and fungal and mold spores in the air. This indirect UVC air disinfection unit can be used in production halls, health care facilities, pharmacies, public transport, shops and many more

- Disinfection time < 15min
- Wavelength of 254nm (UVC)
- Mounting: wall, ceiling or tripod
- Recommended uptime: 24h
- Air filter replacement: depending on the usage (twice a year recommended)
- Radiators replacement: once a year

Important safety instructions!
Never allow human beings under direct radiation of UVC.

B AIR	SPECIFICATIONS
Coverage	Up to 25 m^2
Circulation	117 m^3/h
Light Source	2x TUV 30 W
IP Rating	IP20
Input power	88W AC 220 - 240 V 50/60 Hz
Dimensions	1,300 x 250 x 305 mm
Weight	9 kg

B HYBRID

Direct and Indirect disinfection unit

B HYBRID takes care of 24h air disinfection in the presence of people and animals and eliminates bacteria, viruses, and fungal and mold spores in the air. All direct radiating fixtures have a standard double security with a moving sensor and extra safety. This direct & indirect UVC air disinfection unit can be used in production halls, health care facilities, pharmacies, public transport, shops and many more

- Disinfection time < 15min
- Wavelength of 254nm (UVC)
- Mounting: wall, ceiling or tripod
- Recommended uptime: 24h
- Protective foil for radiator (on request)
- Air filter replacement: depending on the usage (twice a year recommended)
- Radiators replacement: once a year
- Movement sensor standard included

Important safety instructions!
Never allow human beings under direct radiation of UVC.

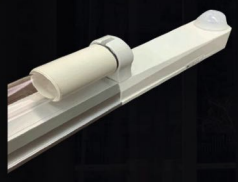
B HYBRID	SPECIFICATIONS
Coverage	Up to 22 m^2 (direct) and 25m^2 (indirect)
Circulation	117 m^3/h
Light Source	1x TUV 55 W HO + 2x TUV 30 W
IP Rating	IP20
Input power	138W AC 220 - 240 V 50/60 Hz
Dimensions	1,300 x 250 x 305 mm
Weight	11 kg

T6 AIO SENSOR SANITATION LAMP

- Help create a safer school enrvironment
- Simple operation, easy disinfection with two control modes
- Ozone Sterilization is more thorough

99%
STERILIZATION SUCCESS

30 sqm
MAXIMUM RANGE



- Integrated support
- T6 series built-in induction switch
- Adopt pure aluminum lamp body and anti-oxidation surface treatment

MODEL	POWER	TUBES SPECIFICATIONS	BALLAST TYPE	LAMP HOLDER SIZE	TUBE LENGHT (NOT INCLUDING LIGHT FOOT)	REMARKS
CP-UVC-H040-T6S	40	T6-40W	Built-in electronic ballast	G13	1198	Two lines

- Application Places and Stuff: Home, School, Hospital, Food, Production

MODEL	POWER	TUBES SPECIFICATIONS	BALLAST TYPE	LAMP HOLDER SIZE	TUBE LENGHT (NOT INCLUDING LIGHT FOOT)	REMARKS
CP-UVC-H040-T6	40	T6-40W	Built-in electronic ballast	G13	1198	Two lines

- Integrated support
- T6 series built-in remote control switch
- Three customized remote control - 30 minutes, 60 minutes, 120 minutes
- The distance of remote control is 8 to 10 meters

MODEL	POWER	TUBES SPECIFICATIONS	BALLAST TYPE	LAMP HOLDER SIZE	TUBE LENGHT (NOT INCLUDING LIGHT FOOT)	REMARKS
CP-UVC-H040-T6R	40	T6-40W	Built-in electronic ballast	G13	1198	Two lines

LAMP TYPE	B Direct 1x55W	B Direct 2x55W	B Direct 4x20W Square
IRRADIANCE (W/m^2 @ 1m)	2.295	4.59	3.672
DISTANCE from surface (m)	3 meters	3 meters	3 meters
DOSE (J/m^2)	67	67	67
TREATMENT TIME log 4 reduction	22 minutes	11 minutes	14 minutes

This calculation tool gives an indication of required time to reach a reduction of log 4, 99.9% killing rate on a horizontal surface straight under the UVC source.
When designing a luminaire, angles of the "beam" need to be taken into account (longer distace).
Table below gives an indication of dose needed (90% killing rate) for specific micro-organisms.
In the proposal 9.9% killing rate time is calculated with safety margin taken into account.

UV dose to obtain 90% killing rate		
Bacteria	**Dose**	**k**
Bacillus anthracis	45.2	0.051
B. megatherium sp. (spores)	27.3	0.084
B. megatherium sp. (veg.)	13.0	0.178
B. parathyphosus	32.0	0.072
B. suptilis	71.0	0.032
B. suptilis spores	120.0	0.019
Campylobacter jejuni	11.0	0.209
Clostridium tetani	120.0	0.019
Corynebacterium diphteriae	33.7	0.069
Dysentery bacilli	22.0	0.105
Eberthella typhosa	21.4	0.108
Escherichia coli	30.0	0.077
Klebsiella terrifani	26.0	0.089
Legionella pneumophila	9.0	0.256
Micrococcus candidus	60.5	0.038
Micrococcus sphaeroides	100.0	0.023
Mycobacterium tuberculosis	60.0	0.038
Neisseria catarrhalis	44.0	0.053
Phytomonas tumefaciens	44.0	0.053
Pseudomonas aeruginosa	55.0	0.042
Pseudomonas fluorescens	35.0	0.065
Proteus vulgaris	26.4	0.086
Salmonella enteritidis	40.0	0.058
Salmonella paratyphi	32.0	0.072
Salmonella typhimurium	80.0	0.029
Sarcina lutea	197.0	0.012
Seratia marcescens	24.2	0.095
Shigella paradysenteriae	16.3	0.141
Shigella sonnei	30.0	0.077
Spirillum rubrum	44.0	0.053
Staphylococcus albus	18.4	0.126
Staphylococcus aureus	26.0	0.086
Streptococcus faecalis	44.0	0.052
Streptococcus hemoluticus	21.6	0.106
Streptococcus lactus	61.5	0.037
Streptococcus viridans	20.0	0.115
Sentertidis	40.0	0.057
Vibrio chlolerae (Vcomma)	35.0	0.066
Yersinia enterocolitica	11.0	0.209

UV dose to obtain 90% killing rate		
Yeasts	**Dose**	**k**
Bakers' yeast	39	0.060
Brewers' yeast	33	0.070
Common yeast cake	60	0.038
Saccharomyces cerevisiae	60	0.038
Saccharomyces ellipsoideus	60	0.038
Saccharomyces sp.	80	0.029

Mould spores		
Aspergillus flavus	600	0.003
Aspergillus glaucus	440	0.004
Aspergillus niger	1320	0.0014
Mucor racemosus A	170	0.013
Mucor racemosus B	170	0.013
Oospora lactis	50	0.046
Penicillium digitatum	440	0.004
Penicillium expansum	130	0.018
Penicillium roqueforti	130	0.018
Rhizopus nigricans	1110	0.002

Virus		
Hepatitis A	73	0.032
Influenza virus	36	0.064
MS-2 Coliphase	186	0.012
Polio virus	58	0.040
Rotavirus	81	0.028

Protozoa		
Cryptosporidium parvum	25	0.092
Giardia lamblia	11	0.209

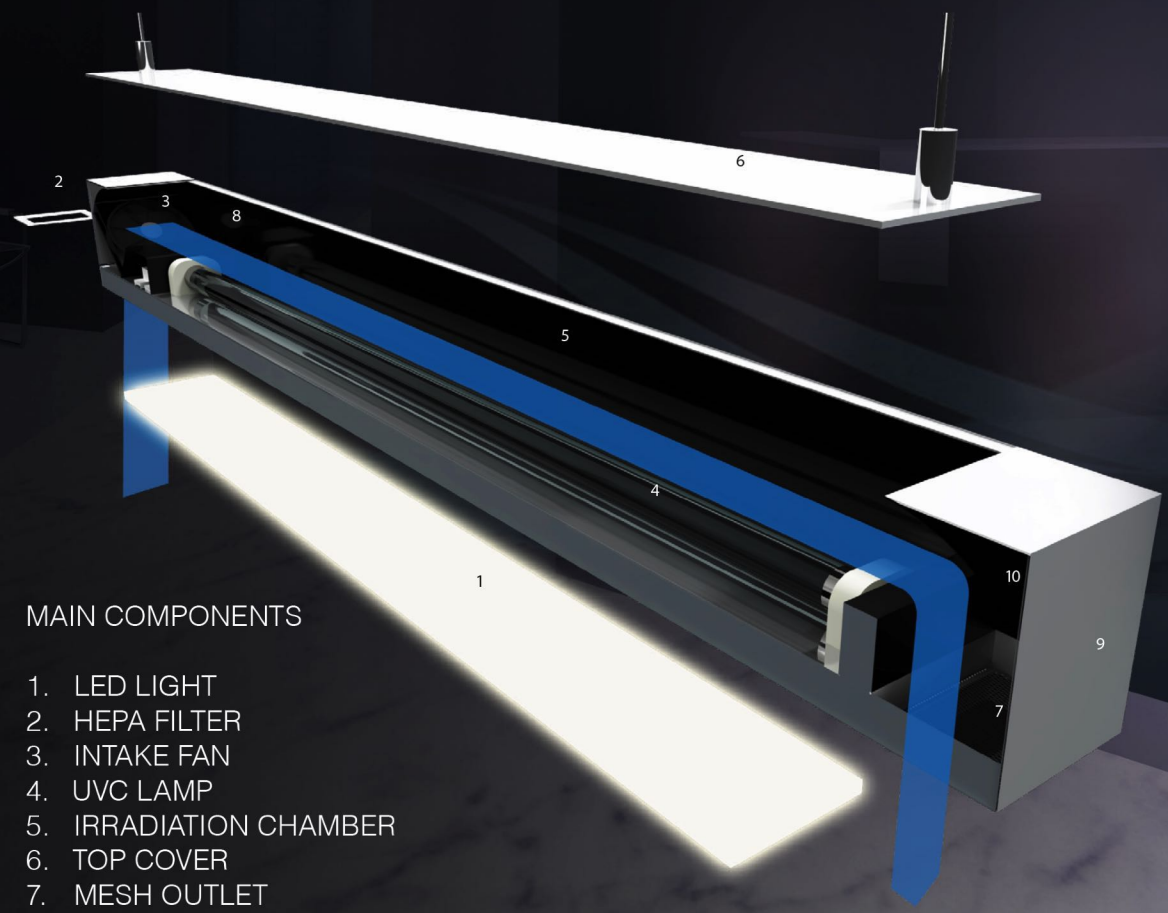
Algae		
Blue Green	3000	0.0008
Chlorella vulgaris	120	0.019

SMART DESIGN AND OPERATION

The LumenAire™ Invisible Light Air Purification pushes contaminated air thru the lighting fixture's integrated germicidal irradiation chamber equipped with a HEPA Filter and an Ozone-free dual 55w/254nm UVC lamp efficiently killing 99% of harmful bacteria and viruses before releasing the filtered air back to the atmosphere. This method is repeated overtime and the multi-pass circulation ensures that a steady flow of clean disinfected air is always present in an indoor environment.

One unit of LumenAire™ Invisible Light Air Purification Fixture effectively disinfects a 9 sqm. room at an average rate of 4 times per hour under normal circumstances.

ANATOMY OF THE INVISIBLE LIGHT AIR PURIFIER©



MAIN COMPONENTS

1. LED LIGHT
2. HEPA FILTER
3. INTAKE FAN
4. UVC LAMP
5. IRRADIATION CHAMBER
6. TOP COVER
7. MESH OUTLET
8. ELECTRONICS COMPARTMENT
9. FIXTURE BODY
10. AIRFLOW GUIDE

The Pendant Light Purifier is all-purpose fixture suitable for both residential and commercial use. Its slim form factor fits right to any location that needs the most disinfection.

Pendant Light Purifier	Specifications
Length	1200 mm
Width	95 mm
Height	120 mm
Weight	8 kg
Housing	Powder Coated Finish
Luminaire	LED - 4100K (Daylight)
Germicidal Light	1 x 55w T8 Ozone-Free UVC (254nm)
Nominal Airflow	50 cfm
Power Consumption	220V - 100 watts

The Troffer Light Purifier is meant for office and commercial use. It can be used both recessed or surface mounted and would be ideal on areas where there is high concentration of human traffic and where people are mostly present for long periods of time.

Troffer Light Purifier	Specifications
Length	1200 mm
Width	600 mm
Height	120 mm
Weight	18 kg
Housing	Powder Coated Finish
Luminaire	LED - 4100K (Daylight)
Germicidal Light	2 x 55w T8 Ozone-Free UVC (254nm)
Nominal Airflow	50 cfm
Power Consumption	220V - 150 watts

The Add-On Light Purifier is the best solution for office spaces with existing light troffers. This innovative air purifier supplements most workplace with clean air every time. Installing the LumenAire is a breeze as it is mounted right on top of the existing light fixtures present on most office and commercial spaces.

Add-On Light Purifier	Specifications
Length	1360 mm
Width	370 mm
Height	270 mm
Weight	22 kg
Housing	Powder Coated Finish
Luminaire	LED - 4100K (Daylight)
Germicidal Light	2 x 55w T8 Ozone-Free UVC (254nm)
Nominal Airflow	50 cfm
Power Consumption	220V - 150 watts

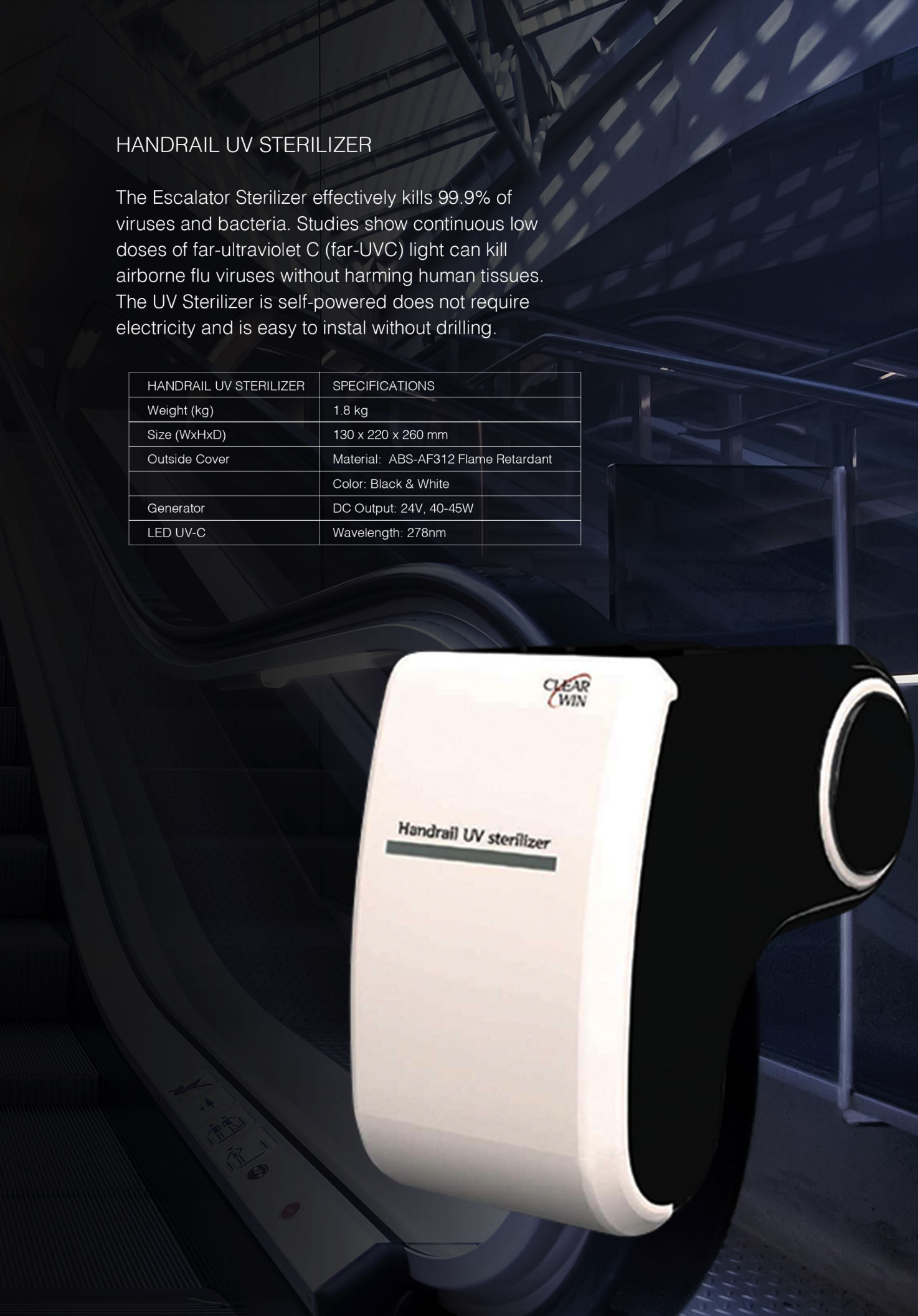
TABLE 1: Summary of Ultraviolet Studies on Coronaviruses

MICROBE	D_{90} DOSE J/m^2	UV K M^2/J	BASE PAIRS KB	SOURCE
Coronavirus	7	0.35120	30741	Walker 2007[a]
Berne Virus (Coronaviridae)	7	0.32100	28480	Weiss 1986
Murine Coronavirus (MHV)	15	0.15351	31335	Hirano 1978
Canine Coronavirus (CCV)	29	0.08079	29278	Saknimit 1988[b]
Murine Coronavirus (MHV)	29	0.08079	31355	Saknimit 1988[b]
SARS Coronavirus (CoV-P9)	40	0.05750	29829	Duan 2003[c]
Murine Coronavirus (MHV)	103	0.02240	31335	Liu 2003
SARS Coronavirus (Hanoi)	134	0.01720	29751	Kariwa 2004[d]
SARS Coronavirus (Urbani)	241	0.00955	29751	Darnell 2004
AVERAGE	67	0.03433		

HANDRAIL UV STERILIZER

The Escalator Sterilizer effectively kills 99.9% of viruses and bacteria. Studies show continuous low doses of far-ultraviolet C (far-UVC) light can kill airborne flu viruses without harming human tissues. The UV Sterilizer is self-powered does not require electricity and is easy to instal without drilling.

HANDRAIL UV STERILIZER	SPECIFICATIONS
Weight (kg)	1.8 kg
Size (WxHxD)	130 x 220 x 260 mm
Outside Cover	Material: ABS-AF312 Flame Retardant
	Color: Black & White
Generator	DC Output: 24V, 40-45W
LED UV-C	Wavelength: 278nm



BENEFITS OF UV TECHNOLOGY

Findings suggest that use of overhead far-UVC light in hospitals, doctors' offices, schools, airports, airplanes, and other public spaces could provide a powerful check on seasonal influenza epidemics, as well as influenza pandemics.

HOW IT WORKS

The UV Handrail Sanitizer provides continuous far-UVC light sterilization on escalator handrails, powered by a self-generating internal motor.

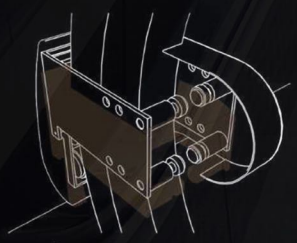
SMART DESIGN AND OPERATION

Housing Frame

UV Lamp

Power Generator

Colorful Customizable Look

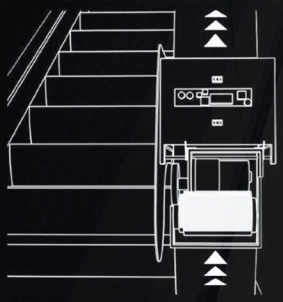


A

The main body is fixed to the balustrade of the moving walks.

B

The torsion spring makes roller contact at a constant pressure on the handrail.



C

The rear roller and the handrail's rotational force, generates power.

D

The generated power activates the UV germicidal lamp and operation indicator.

CURRENCY CONTAMINATION BEYOND OUR IMAGINATION

We live in a world of contaminants, germs, viruses, and bacteria. Our currency & other currencies around the world carry over 3,000 different types of germs such as viruses, bacteria, and food borne pathogens.

We are always touching something – wherever we go: work, school, shopping, and dining. The common denominator of all these activities is money.... constantly changing hands!

PLASMA ION CURRENCY STERILIZER FUNCTIONS:

- The World's First Open-Sterilizer: Providing Sterilization upon counting bills!
- 20 seconds – 98% / 30 seconds – 99.9%
- Plasma Ion Cluster – releases 10 Million Ion Clusters!
- When counting bills – the Plasma Ion Clusters penetrates between bills and sterilizes bills!
- Applied HEPA Filter to remove fine dust (PM 2.5) on bills!
- Tilted slot, ergonomic design: easy to insert bills and shoot by camera!
- Release more than 10 Million of Plasma Ions!
- High efficiency sterilizing design!
- Plasma Money Sterilizer operates by auto recognition upon inserting bills!
- Sem-permanent high efficiency Plasma Money Sterilizer!
- Built-in communication UTP and Power Line.
- Automatic sterilization timer setting.
- Sterilization upon counting bills!
- Sterilization harmless to human body!

ADDED FUNCTIONS & SPECIFICATIONS:

- Auto-recognition Sensor: Works upon inserting bills!
- Plasma Ion Cluster Vent: Circulating type
- UTP/Power: Built-in communication line!
- Power Input: 110 260 Volt AC 50/60 Hz
- Power Output: 12 Volt DC 6.3 Amp
- Automatic Working Time: 10/20/30 Seconds
- Dimensions: 11.5 W x 17 W(D) x 15 W(H) /// 293 mm x 432 mm (D) x 382 mm (H)

SMI MCLEAN 1000

SMI MCLEAN 1000	SPECIFICATIONS
Input	AC 110V ~ 260 V 50/60Hz
Output	DC 12V 6.3A
Automatic Working Time	10/20/30 sec
Dimension	W293 x D432 x H382

SMI MCLEAN 1000 L

SMI MCLEAN 1000 L	SPECIFICATIONS
Input	AC 110V ~ 260 V 50/60Hz
Output	DC 12V 6.3A
Automatic Working Time	10/20/30 sec
Dimension	W325 x D435 x H435

SMI MCLEAN 1000 XL

SMI MCLEAN 1000 XL	SPECIFICATIONS
Input	AC 110V ~ 260 V 50/60Hz
Output	DC 12V 6.3A
Automatic Working Time	10/20/30 sec
Dimension	W388 x D466 x H475

MIDI & XL SAFE BOX STERILIZATION MACHINES

Safe Boxes are used in Banks, CIT, Exchange, Offices, Hotels, Casinos and can make 99.95% sterilization in banknotes & polymer notes.

- Playing Cards & Chips
- Shoes and Clothes
- Bank Notes

FEATURES	Safe Box - MIDI	Safe Box - XL
Sterile	99.99% Sterilization	99.99% Sterilization
Sectors	Banks, Exchange, Offices etc.	Banks, CIT, Exchanges, Offices, Casinos, Shops
Speed	Full Sterilization in 10 Minutes	Full Sterilization in 10 Minutes
Dimensions	350 mm x 450 mm x 620 mm	900 mm x 450 mm x 1250 mm
Weight	18 Kgs	80 Kgs
Input	220 Volt 50/60 Hz	220 Volt 50/60 Hz
Warranty	1 Year	1 Year

STERILIZATION SYSTEMS

Retails are used in jewelleries, dentists, nail & hair shops, mobile shops etc. and sterizes all %99,99 success!

99%
STERILIZATION SUCCESS

FEATURES	RETAIL - M	RETAIL - M
Sterile	99.9 % Sterilization	99.9 % Sterilization
Sectors	Jewel, Dental, Mobile, Nail, Hairshop etc.	Jewel, Dental, Mobile, Nail, Hairshop etc.
Speed	2 Minutes	3 Minutes
Dimensions (L-W-H)	350 mm x 250 mm x 200 mm	500 mm x 350 mm x 300 mm
Weight	3 Kgs	9 Kgs
Input	110 - 220 V	110 - 220 V
Warranty	1 Year	1 Year

BODY COLOUR VERSIONS

STERILIZATION SYSTEMS

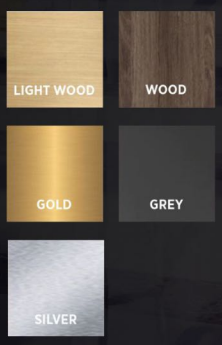
Clothing Cabins are used in clothing and shoe shops, and it sterilizes t-shirts, clothings, underwears, textile materials, etc. and all with 99.99% sterilization success!

99%

STERILIZATION SUCCESS

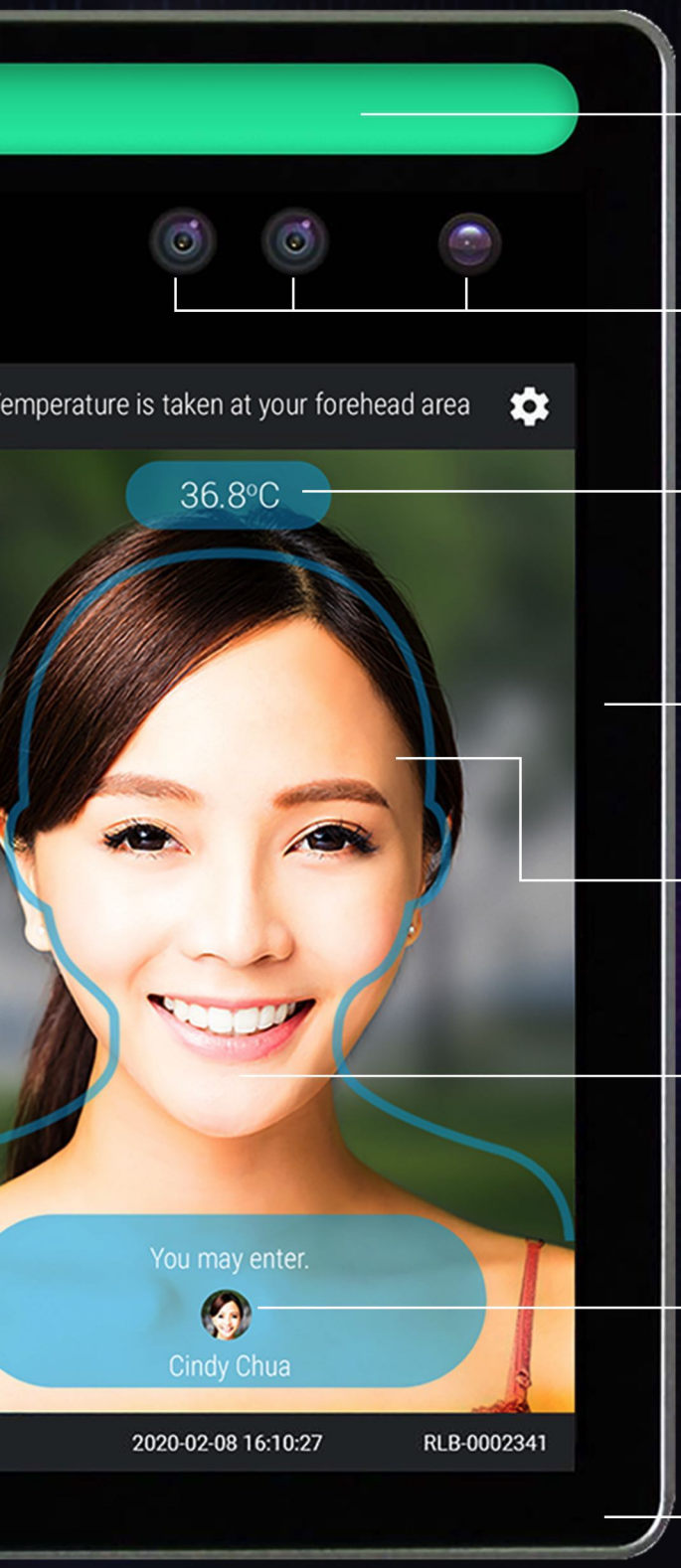
FEATURES	RETAIL - M
Sterile	99.99 % Sterilization
Sectors	Clothing shops, shoe shops, textile shops
Speed	6 Minutes
Dimensions (L-W-H)	810 mm x 620 mm x 1750 mm
Weight	75 Kgs
Input	110 - 220 V
Warranty	1 Year

BODY COLOUR VERSIONS



For disease prevention, the new **Integrated Screening Device** adopts the new AI chipset, large thermal sensor array, and latest algorithm, providing cutting-edge face recognition and body temperature detection, with ability to detect while wearing a mask.

FEATURES



3-IN-1 LED LIGHT INDICATOR

Easy-to-spot indicators may light up
(A) GREEN: for allowed entry and normal temperatures,
(B) RED: for no-entry and high temperatures/fever, and
(C) WHITE: to indicate the need of facial light assistance in low-light areas.

3 BUILT-IN HI-RES CAMERA LENSES

Three high-quality HD 2-million pixels built-in cameras to ensure face-recognition accuracy as well as advanced infrared thermal imaging for contactless temperature screening accuracy. The temperature measurement's margin of error is + 0.2 degrees Celsius.

REAL-TIME BODY TEMPERATURE DISPLAY

Immediately know your or your guests' body temperatures with the real-time on-screen display. Our device allows speedy and accurate temperature reading, increasing screening efficiency.

BUILT-IN SPEAKER

The result of each screening can be read out loud by the speaker, allowing for greater clarity and reducing the need for manual guidance from a person on standby. The speaker volume can be adjusted as needed.

FACIAL RECOGNITION

Authorized employee/visitor photos and data can be loaded to our device via USB drive or Cloud application. Using facial recognition technology, the device can be set to allow entry for authorized individuals only, who pass facial recognition and temperature screening.

MASK RECOGNITION

In venues or events where masks are required, the device will only allow entry for individuals wearing masks. These settings can be adjusted depending on your specific needs.

IDENTIFICATION & DATA STORAGE

The device can be set to store 100,000 visitor photos along with their temperature reading and the time & date they were taken. Alternatively, it can store up to 1 million screening data without photos.

INTERNAL OR CLOUD STORAGE OPTION

Stored data within the built-in 1Gb DDR3 800MHz can be exported via USB or Cloud. Direct storage and data processing connection to the cloud is also possible.

EXTENSIVE BENEFITS

ACCURATE CONTACTLESS TEMPERATURE SCREENING

The advanced temperature screening technology employed by EINTELL KT-20 allows accurate contactless body temperature screening (with margin of error of only + 0.2 degrees Celsius), which is especially important when social distancing is necessary. This tremendously reduces the risk of virus infection.

REDUCE MANPOWER COSTS

The device is brilliantly designed with all essential features to allow a more efficient and accurate screening process. This feature-packed device requires lesser human intervention, directly reducing manpower costs. For example: 4 typical screening stations will require 4 people to operate, while 4 devices can be operated by just 1 person. This is a similar efficiency comparison with 3 human cashiers vs. 3 auto-cashiering systems with only 1 human operator.

REDUCE HUMAN ERROR

Human errors are easily made during manual data entry. This device uses innovative & reliable technology such as photo-taking, facial recognition, digital time & date stamp that practically eliminates data entry errors. The device also does not tire like humans, so it will continue to operate at maximum capacity even for prolonged operating hours, effectively increasing data management accuracy & efficiency.

EASY TO OPERATE

The user interface is designed with ease in mind. All functions are intuitively placed and clearly labelled. The device setup is quick and simple, even for first-time users. Users may choose to input selection via the responsive touch screen or keyboard connected via USB.

EXTENSIVE APPLICATION

The build-in software features & customization options available allow this device to be used in many different industries. For example, for areas that require more robust security, the device can be connected to an automatic gate that can open/remain closed depending on the temperature screening and/or facial recognition result. It also serves the most basic yet useful function, which is to record the date and time of each individual's entry. One device: many applications.

DURABLE & SLEEK DESIGN

The device casing is made from aviation aluminum alloy and designed to be dust & water resistant, suitable for both indoor & outdoor environments. The sleek yet durable design is made with the user's convenience in mind and built to last.

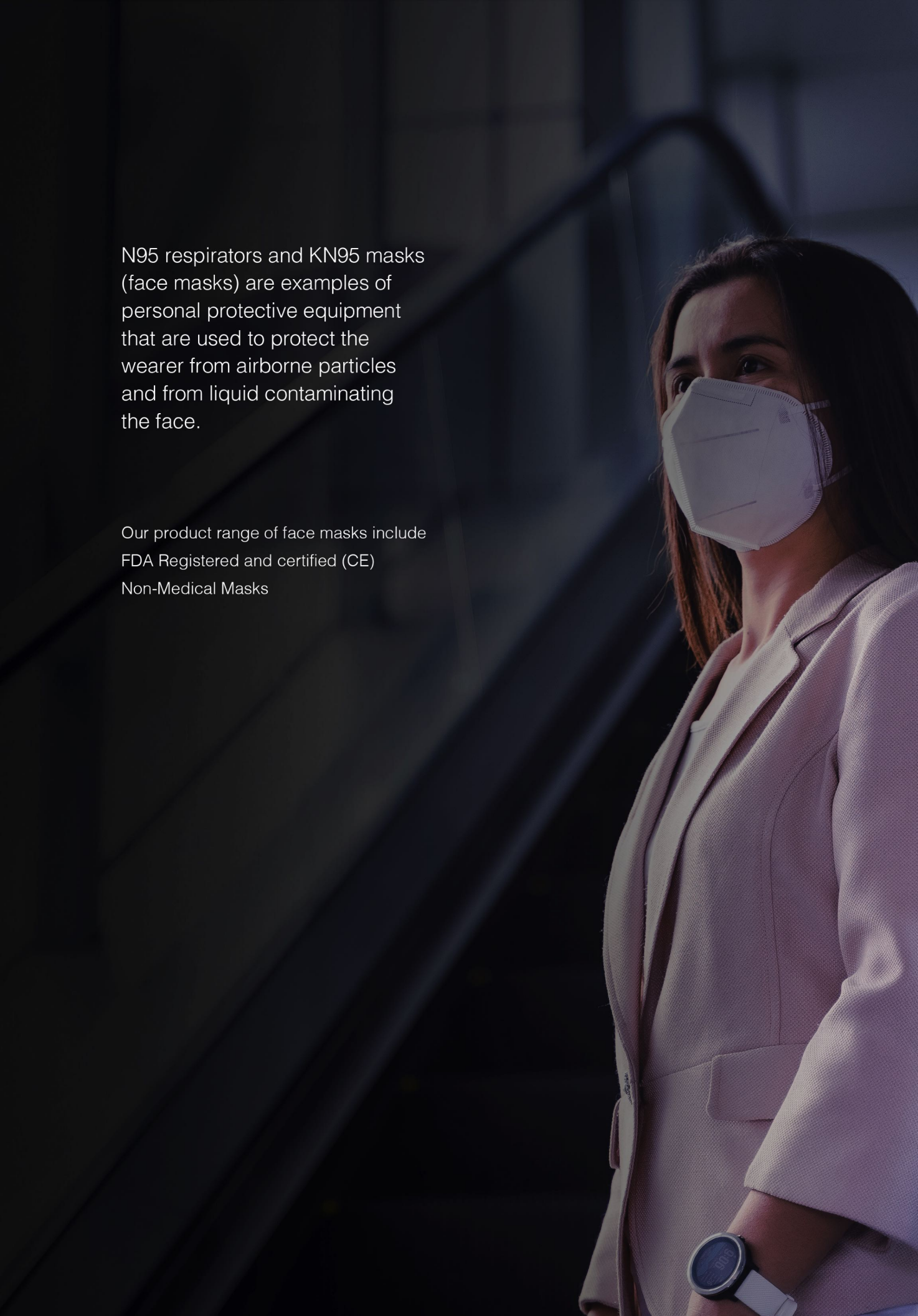
DATA SECURITY

The device can be password-protected. Only authorized users can change the settings and retrieve stored data.

N95 respirators and KN95 masks (face masks) are examples of personal protective equipment that are used to protect the wearer from airborne particles and from liquid contaminating the face.

Our product range of face masks include

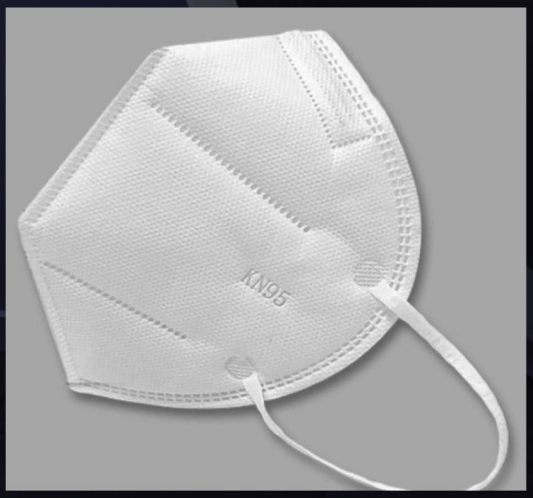
FDA Registered and certified (CE) Non-Medical Masks



Concealed nose bridge easily adjusts
the fit to reduce harmful substances

Ultrasonic welding, firmly prevent
the ear strap from falling off

Widening the knitted
ear straps improves comfort



THE KN95 FACE MASK

Description:

- Help protect against haze, odor, dust, dirt and virus.
- Filtration rate exceeds 95%
- Elastic spandex ear strap help keep the respirator positioned properly on the face
- 5 layers protection
- Eco-friendly and adjustable plastic clip for a proper fit
- Allows for easy breathing and normal speaking
- Disposable and maintenance free

Technical Data:	
Product Name:	KN95
Layers:	5 Layers
Product Size:	155 * 105 mm
Color:	White
Main Material:	Non-woven fabric + melt-blown fabric
	+ non woven fabric
Filter Performance:	>95%
Criterion:	FDA Registered/CE
Mask Definition:	non-medical mask

THE N95 FACE MASK

Description:

- Help protect against dust, droplet, pollen, smog, PM2.5
- Filtration rate exceeds 95%
- Elastic spandex ear strap help keep the respirator positioned properly on the face
- 4 layers protection
- 3D shape comfortable breathing experience
- A nature anti-fog and the soft inner facing layer that minimized discomfort
- All respirators are individually FDA and CE marked and EN149:2001 compliant

Technical Data:	
Product Name:	KN95
Layers:	4 Layers
Product Size:	152 * 105 mm
Color:	White
Main Material:	Non-woven fabric + Sanitary hot air cotton + melt-blown
	fabric + non woven fabric
Filter Performance:	>95%
Criterion:	FDA Registered/CE
Mask Definition:	non-medical mask

THE 3 LAYERS DISPOSABLE FACE MASK

Description:

- Help protect against haze, odor, dust, dirt and virus.
- Filtration rate exceeds 95%
- Elastic spandex ear strap help keep the respirator positioned properly on the face
- 3 layers protection
- Eco-friendly and adjustable plastic clip for a proper fit
- Allows for easy breathing and normal speaking
- Disposable and maintenance free

Technical Data:	
Product Name:	Disposable face mask
Layers:	3 Layers
Product Size:	175 * 95 mm
Color:	BLUE
Main Material:	Non-woven fabric + melt-blown fabric
	+ non woven fabric
Filter Performance:	>95%
Criterion:	FDA Registered/CE
Mask Definition:	non-medical mask

YOUR FUTURISTIC GLOVES

Smart Glove is committed to ensuring and delivering the highest quality of its gloves and has been accredited with various internationally recognized certifications.

International Certification

Food Contact Regulation

EN ISO 374-1:2016/type C

PRODUCT RANGE

Laboratory / EMS

Surgical

Dental

Medical

Food

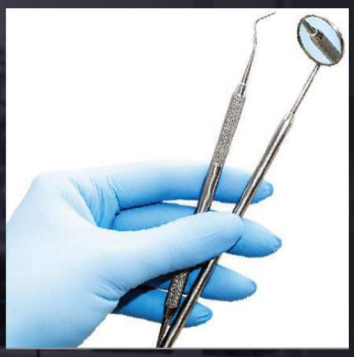
Cleanroom

High Risk

MEDICAL
Our Exam gloves are equipped with a new improved technology, designed to give superior comfort and easy donning

- Suitable for medical personnel, veterinary ops, pharmaceutical and general hygiene use.
- Offers a variety of colors to choose from.
- Investigated and verified by UL in accordance with the standard on protective clothing and

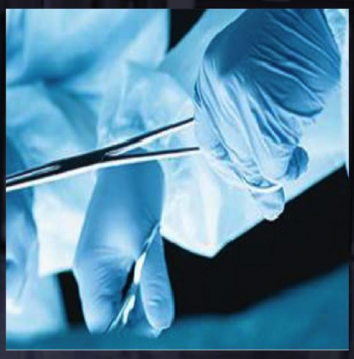
Material: Nitrile, Polychlorophene
Length: 9", 12"
Colour: Black, White, Pink, Green, Dark Green, Blue, Steel Blue, Teal Blue, Dark Blue, Cobalt Blue, Ice Blue, Violet Blue
Thickness: 3mil to 10mil



DENTAL
The classic dental gloves are safe for oral examination to deliver a valuable patient experience

- Flexible gloves give ultimate wet grip & comfort for best performance
- Available in a variety of scents to choose from
- 100% Nitrile gloves. Safe for use from latex protein allergy

Material: Nitrile, Polychlorophene
Length: 9"
Colour: Blue, Violet, Pink, White, Orange, Green
Scent: Grape, Mint, Bubble Gum, Green tea, Vanilla, Orange
Thickness: 3mil to 6mil



SURGICAL
Our surgical gloves are designed and custom-made to meet the high expectations of surgeons

- New improved technology designed to give superior softness to aid easy donning and to reduce hand fatigue
- Various types of materials in order to meet the different requirements for different types of surgeries

SURGICAL

Material: Nitrile, Polychlorophene, Polyisoperene, Natural Rubber
Length: 12"
Colour: White, Cobalt Blue, Dark Blue, Green, Dark Green, Brown
Thickness: 8mil, 6mil (Underglove)

STERILE EXAM

Material: Nitrile, Polychlorophene
Length: 9",12"
Colour: Blue, White
Thickness: 3.5mil, 6mil

LABORATORY/EMS
Our outstanding gloves are designed with chemical resistance for laboratory and emergency medical services use

- Gloves dipped with dual color provide enhanced protection for better visibility of any cuts or pricks when in contact with fluid or blood
- Provides superior strength to ensure optimal barrier protection
- Offers hybrid material dipped to provide chemical permeation resistance

Material: Nitrile, Polychlorophene, Natural Rubber,
Hybrid Material (Polychloprene (exterior), Nitrile (interior)
Length: 9", 12", 16"
Colour: Violet Blue, Blue
Dual Colour: Violet Blue / Green, Black / Red, Orange / Black, Black / Silver
Thickness: 3mil to 18mil, 5 mil to 13mil (Hybrid material), 15mil to 18mil (Natural Rubber)

HIGH RISK
The ideal glove designed for high risk exposure and heavy duty tasks

- Featuring fish scale & diamond textured gloves specifically designed with anti-slip for excellent traction during wet and oily applications
- Offer extra glove thickness of up to 20mil for better protection

Material: Nitrile, Polychlorophene, Natural Rubber
Length: 9", 12", 16"
Colour: Black, Orange, Dark Blue, Green, Dual Colour
Thickness: 6mil to 20mil

FOOD
Our gloves are suitable for handling all types of food

- Food processing gloves are designed to provide strong grip in handling wet, dry and oily foods, suitable for fish, chicken and poultry processing
- Available in Fish scale & Diamond textures
- Food service glove are designed to provide excellent dexterity and performance. Suitable for cooking, cutting, slicing and preparing food

FOOD PROCESSING

Material: Nitrile, Polychlorophene, Natural Rubber
Length: 9", 12", 16"
Colour: Black, Orange, Dark Blue, Dual Colour, Dark Steel Blue
Thickness: 6mil to 10mil

FOOD SERVICE

Material: Nitrile
Length: 9"
Colour: White, Dark Steel Blue, Translucent, Smart Blue
Thickness: 2mil

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