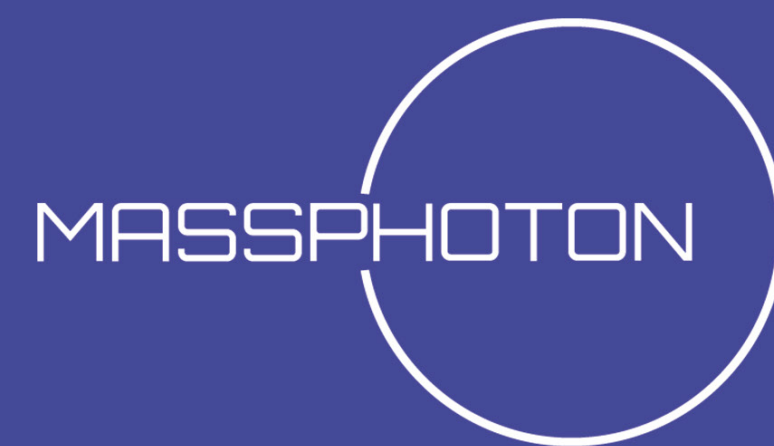


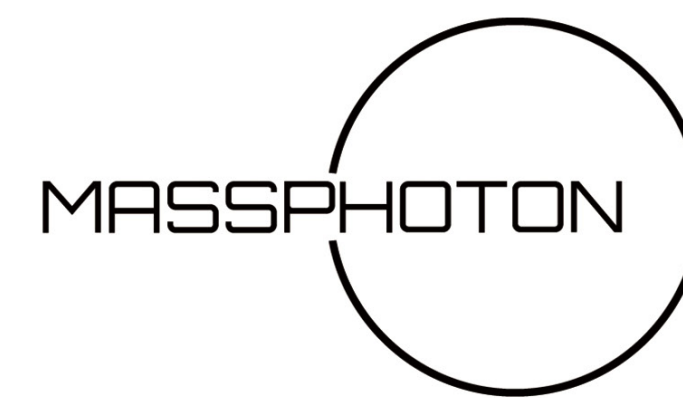


MASSPHOTON LIMITED

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PRODUCT MANUAL

Semiconductor Ultraviolet Technology and Applications Expert

AIR DISINFECTION AND PURIFICATION MACHINE



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Company Introduction

“MASSPHOTON

MASSPHOTON LIMITED was founded in 2021 by semiconductor technology experts. The company utilizes custom epitaxial equipment and a unique proprietary third-generation semiconductor molecular beam epitaxy (MBE) process to produce high-aluminum-content gallium nitride (GaN) epitaxial wafers, devices, and other types of compound semiconductor epitaxial wafers.



5+

A technical R&D team led by 5 PhDs, excelling in semiconductor ultraviolet chip manufacturing technology, experienced in industry specific application development, and holding 100+ UVC & GaN related technology patents.

15+

With over 15 years of experience in research, mass production, and product development of semiconductor ultraviolet technology, the team has won multiple international invention and design awards.

5000+

Clean workshops and production plant exceeding 5000 square meters, passed ISO9001, ISO13485 and other system certifications



We have clean workshops and production facilities, with strong and efficient production lines that provide strong guarantees for production and delivery.

Strict quality control ensures that every product from our factory meets excellent quality standards.

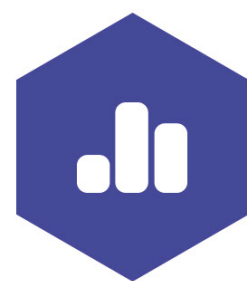
Leader in deep ultraviolet LED disinfection and disinfection technology application

The total investment of the project is 200 million yuan, mainly for the research and production of deep ultraviolet LED, as well as the productization, production and promotion of digital disinfection technology. Currently, the project has successfully mass-produced UVC and UVB band deep ultraviolet LED chips, and launched a disinfection and disinfection horizontal group based on deep ultraviolet LED chip technology. The products have passed tests by authoritative institutions such as SGS, the bacterial rate has reached over 99.9%, which has been highly recognized by the market.



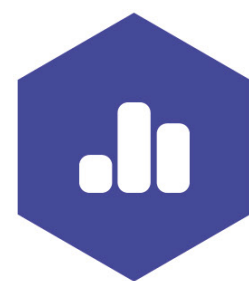
UVC-LED Technology

MASSPHOTON was founded by a seasoned technical team in Hong Kong, focusing on the development of deep ultraviolet-C LED chip technology and products. We continuously innovate to provide efficient UVC-LED disinfection systems, safeguarding human health against harmful bacteria and viruses.



Digital Disinfection Technology

We have accumulated extensive application experience in air disinfection, surface disinfection, and water treatment. Our team's unique NitroSteriX™ digital disinfection technology is at the forefront of the industry.

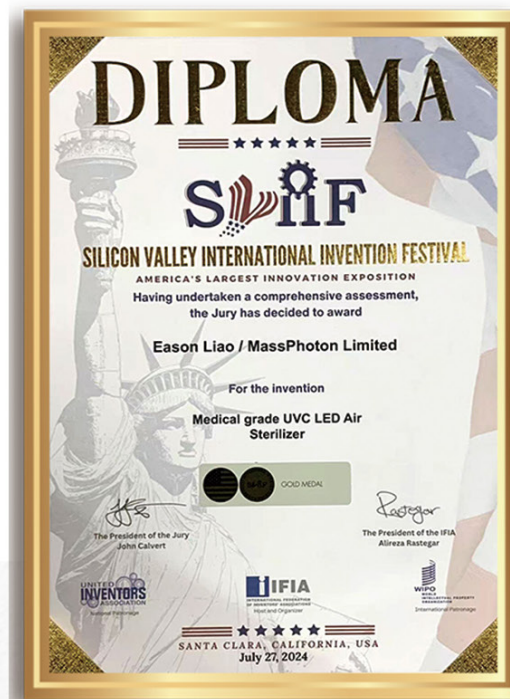


Industry Specific Solutions

Combining IoT and AI technologies, we have launched solutions for various industries, aiming to create a better life through continuous technological innovation and application.



Qualification and Honor



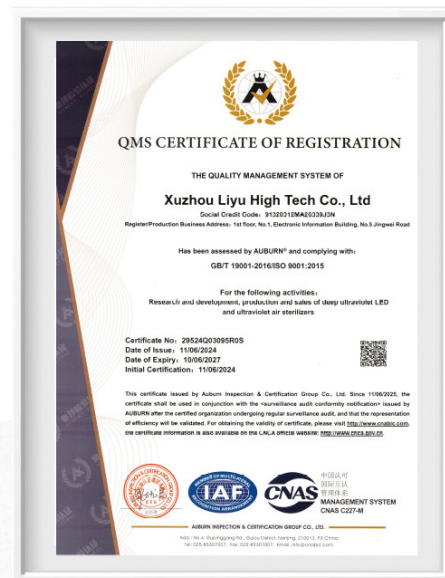
International Invention Exhibition Gold Award

2024 Silicon Valley International Invention Exhibition

2024 Geneva International Invention Exhibition

Production Qualification

Hygiene License for Disinfection Product Manufacturing Enterprises



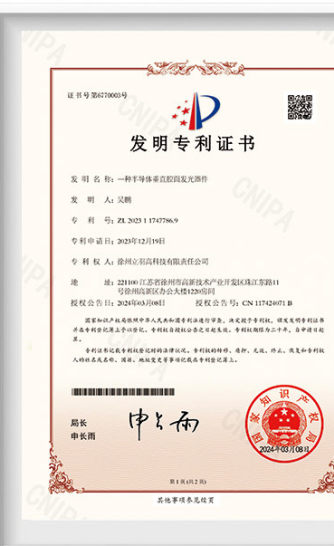
quality management system certification

ISO 13485 ISO 9001

Patent certificate

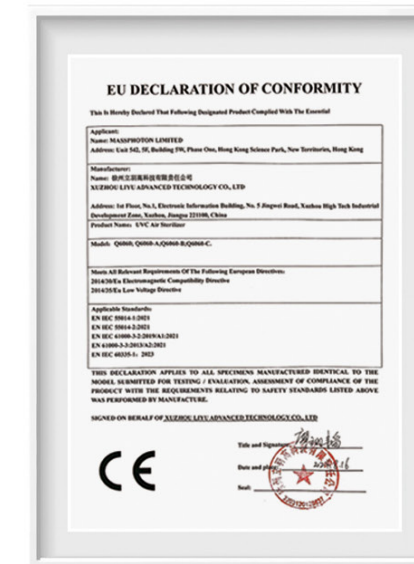
Utility Model Patent Certificate

Invention Patent Certificate

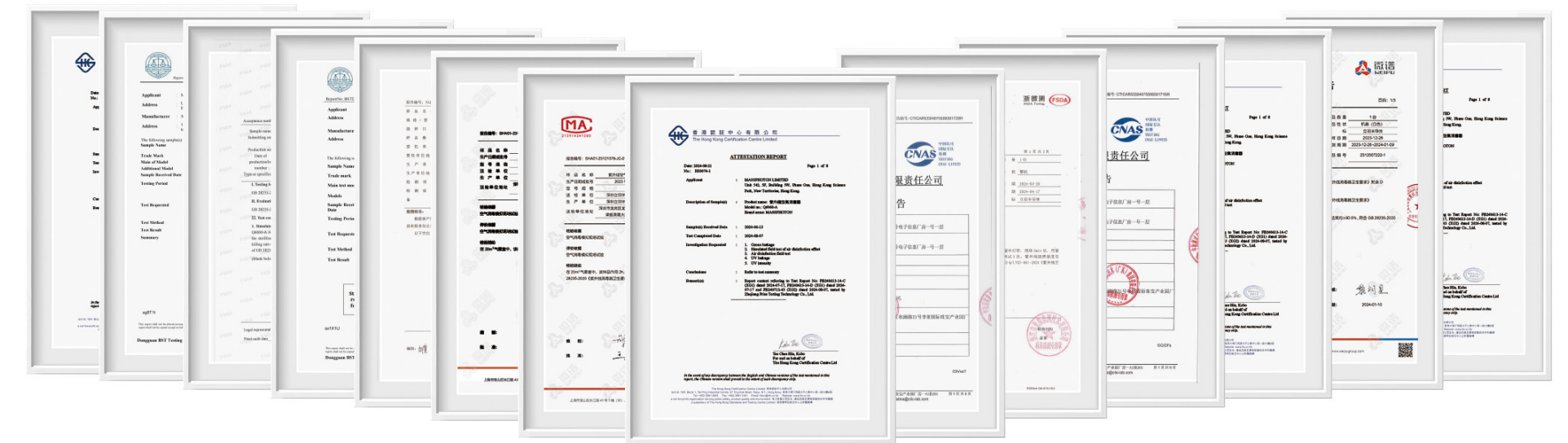


Authoritative organization testing and certification

CE Certification



Authoritative Institution Testing Report



Multiple authoritative medical and research institutions jointly participate in verification



NATIONAL INSTITUTE OF ENVIRONMENTAL HEALTH, CHINA CDC



CHINA UNIVERSITY OF MINING AND TECHNOLOGY



ShanghaiTech University



XUZHOU MEDICAL UNIVERSITY

Air disinfection

"Epidemics and infectious diseases have not disappeared with the development of science and technology. The prevention and control of respiratory infectious diseases face great challenges. Both traditional and new respiratory infectious diseases seriously endanger human health, even threaten human life. Influenza ("flu" for short) occurs frequently in winter and spring every year. According to the World Health Organization (WHO), there are 1 billion influenza cases every year in the world, including 3 million to 5 million severe cases, and 290,000 to 650,000 deaths from influenza related respiratory diseases.

Air disinfection is an important means of cutting off the transmission routes of respiratory infectious diseases and is one of the key links in controlling the spread of respiratory infectious diseases. Air disinfection technology has become an important means of protecting people."

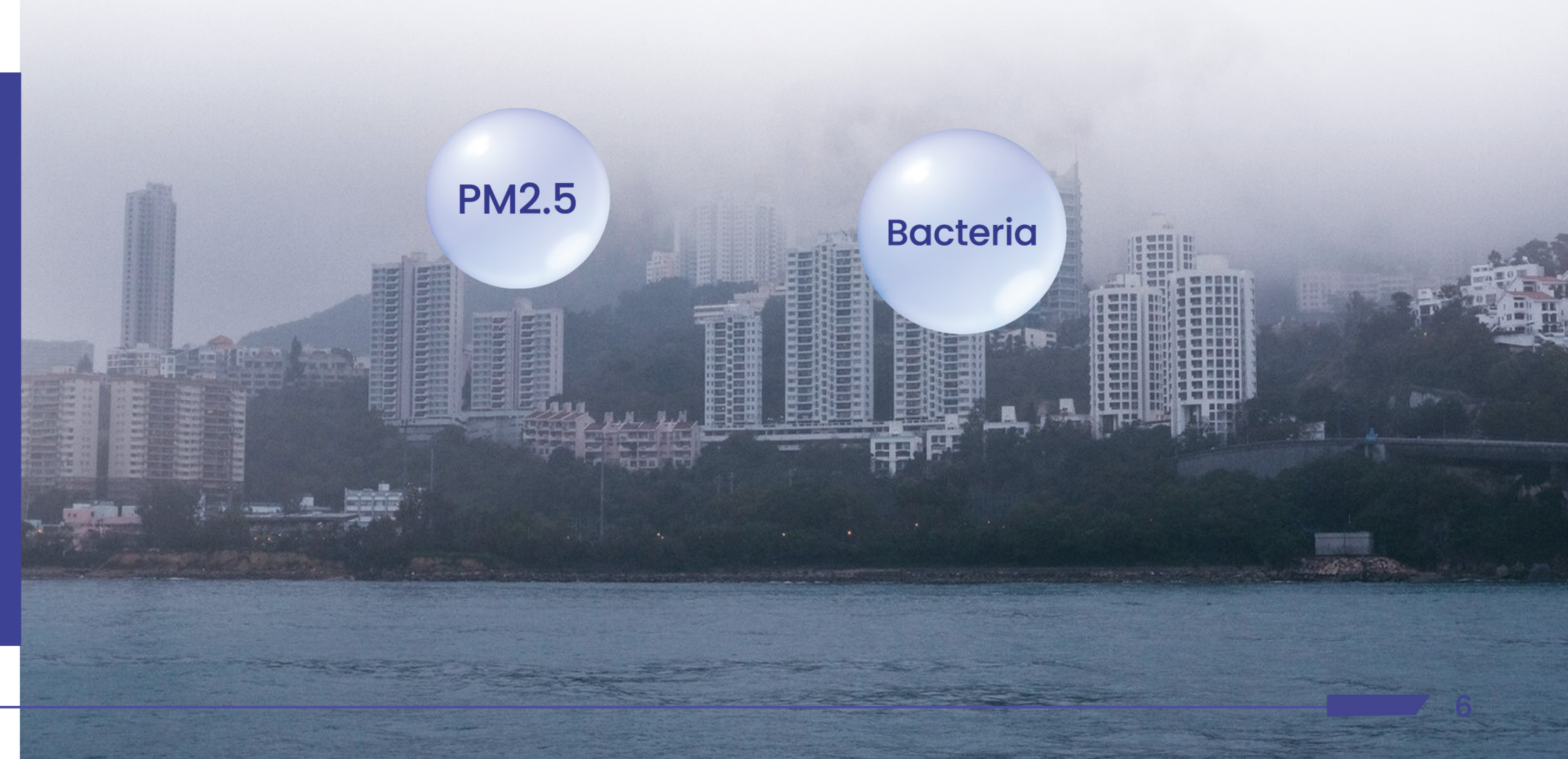


Against the backdrop of people's increasing pursuit of high-quality living, the public has put forward higher demands for healthy and clean air quality. Experiments have shown that air circulation disinfection not only effectively purifies the air and controls the microbial community on the surface, but also has a good effect on effectively blocking the spread of viruses. The UVC air disinfection machine, which coexists with humans, provides a safer air environment for densely populated areas such as homes, hospitals, and schools with its high efficiency and low energy consumption.

Health killers

In addition to viruses, there are various health killers in the air that

constantly endanger health!



Technology



High-efficiency, Safe and Eco-Friendly Green Digital Disinfection and Purification Technology

More efficient disinfection and purification

01

The NitroSteriX™ technology employs semiconductor ultraviolet light sources with stronger directionality and unique optical enhancement technologies, making the ultraviolet irradiation intensity more than 5 times higher than that of traditional technologies.

02

Wider application scenarios

The NitroSteriX™ technology features miniaturization, strong environmental adaptability, and high portability, allowing for broader application than traditional technologies.

Lower operating costs

03

- ① The equipment adopting the NitroSteriX™ technology has a longer service life and lower maintenance costs.
- ② Combined with the intelligent control system, it consumes less energy and saves energy expenses.

04

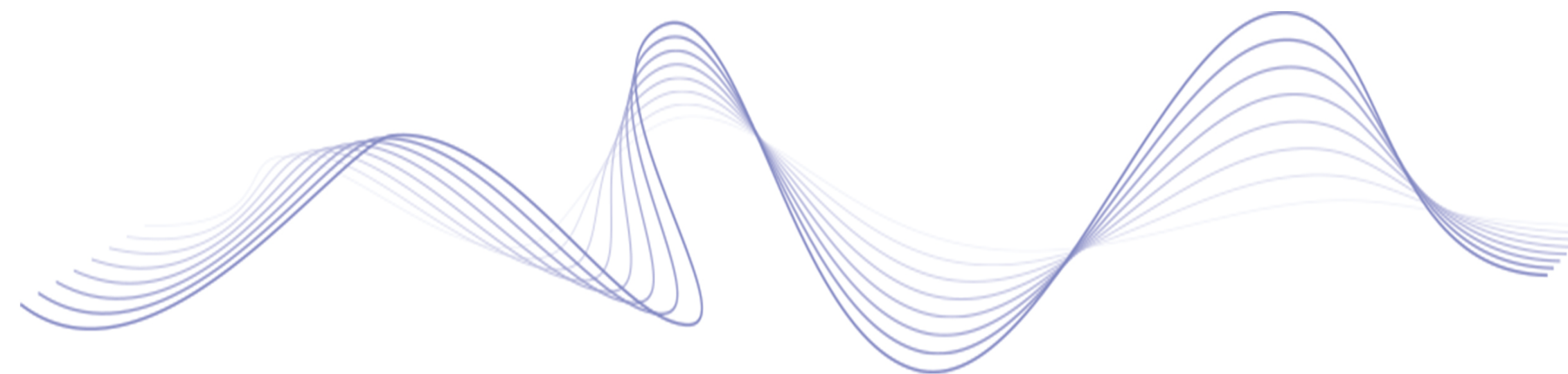
More eco-friendly and safer

There is minimal concern for waste disposal during manufacturing, or secondary pollution during operation. The ultraviolet leakage prevention and sensing control systems ensure the safety of use.

Digital disinfection

05

Semiconductor-based ultraviolet light sources offer higher controllability, and devices based on NitroSteriX™ technology can better integrate with intelligent control systems, achieving digital and intelligent physical disinfection.



NitroSteriX™

It has significant advantages over traditional disinfection technologies

Type	Chemical agents	Ozone	Filtration	High-temperature	Ionization	Irradiation	Traditional UV light source	NitroSteriX™ (UVC LED)
Disinfection effect	☆☆	☆☆	☆	☆☆☆	☆☆	☆☆☆	☆☆☆	☆☆☆
Disinfection efficiency	☆ (Antimicrobial resistance)	☆☆	Non-sterilization	☆☆	☆	☆☆	☆☆	☆☆☆
Applicable scenarios	☆☆☆☆	☆	☆☆☆	☆☆☆☆	☆☆	☆	☆☆	☆☆☆☆
Deployment cost	☆	☆	☆	☆☆	☆☆	☆☆☆	☆	☆
Cost of use	☆☆☆	☆	☆☆☆	High energy consumption	High energy consumption	☆☆☆	☆☆	☆
Secondary pollution	Chemical residue	Ozone	Consumables handling	No	Ozone	Radiation risks	Ozone	None
Application environments	Water, Air, Surface	Water, Air, Surface	Water, Air	Water, Surface	Air	Water, Air, Surface	Water, Air, Surface	Water, Air, Surface
Human-machine coexistence	No	No	Yes	No	No	No	No	Yes
Chemical methods			Physical methods					

► Air disinfection machine=Air purifier+ disinfection machine

Air Purifier

An air purifier is designed to remove one or more pollutants from the air, but cannot kill viruses, bacteria, fungi, etc. in the air. It is a household appliance

Air purifiers are mainly designed for small spaces with fewer people

Air purifiers rely on passive adsorption and filtration to achieve purification functions

Most air purifiers can only produce a certain purification effect around the place where the air purifier is placed, and it takes a long time for the purification effect of the entire indoor environment to be achieved

Product Positioning

Product Application

Disinfection Mode

Purification Effect

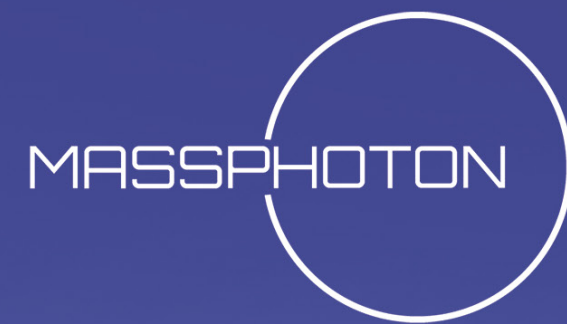
Air disinfection machine is a disinfection instrument that uses physical, chemical and other methods to kill or remove viruses, bacteria, fungi, etc. from the air, with disinfection as the main purpose and air purification as the auxiliary

Air disinfection machines can be used in densely populated and mobile public places such as medical institutions, transportation, government agencies, schools, banks, hotels, and can also be used in households

The air disinfection machine uses UVC (275nm ultraviolet light) to destroy the DNA and RNA structures of microbial organisms (bacteria, viruses, and other pathogens), causing rapid death and achieving the purpose of disinfection

The air disinfectant is an important measure to prevent viruses because it has higher inspection standards and can more professionally and thoroughly disinfect viruses in the air

Air Disinfection System



Guarantee Healthy Breathing

Medical grade air disinfection and purification products
based on NitroSteriX™ technology

Air disinfection equipment adopting NitroSteriX™ technology can be widely applied to enhance air quality in various fields, including the medical sector, industrial environments, public spaces, etc. In comparison with conventional equipment of the same kind, it has the following advantages:

- ① High disinfection efficiency.
- ② No generation of secondary pollutants like ozone, enabling continuous and sustainable operation.
- ③ Low consumption of consumables, a long service life of core components, and thus low operating costs.
- ④ Under the same disinfection effect, it has a lower requirement for air volume, which helps save energy.



Medical Grade Ceiling Air Disinfection System Q6060A

Unrestricted human-machine coexistence
zero ozone medical grade air disinfection machine



Product overview



This product, with its unique modular design, perfectly integrates high - efficiency air disinfection and lighting functions. While illuminating your space, it maintains excellent disinfection performance. The system is equipped with an independent power control, allowing for independent operation of UV disinfection and LED lighting, ensuring user - friendly operation and application flexibility. It truly enables co - existence of humans and the disinfection system. The disinfection process is safe and environmentally friendly, producing no ozone, effectively avoiding the risk of secondary pollution. It can effectively eliminate odors and continuously clean the air, creating a constantly clean and healthy breathing environment for you.

Product features

- Human-machine coexistence**

0 ozone generation, 0 pollutants, 0 electromagnetic radiation, truly achieving human-machine coexistence
- Concealed installation**

Integrated disinfection and lighting, can be installed discreetly to save space
- Disinfection rate>99.99%**

Certified by authoritative organizations, achieving a Disinfection rate of over 99.99%
- Low noise**

Silent and environmentally friendly in a stable operating state, with operating noise below 55dB and no impact on sleep
- Remove formaldehyde and allergens**

Disinfection can effectively remove toxic gases such as formaldehyde and various allergens from the air
- Energy conservation**

Disinfection core has low power, low material consumption, no secondary pollution, and can operate for 7X24 hours

Technical Parameters

Product Name(Model)	Q6060-A (Lighting Version)	Noise	≤55dB
Effective Space (m³)	≤100m³/150m³	Input Power Supply	Supports 100 - 240V
Disinfection Module	275nm Deep Ultraviolet UVC-LED disinfection module	Input Power	≤110W
Filter Type	Primary Filter screen or Activated Carbon Filter	Lifespan of the Disinfection Module	> 30000 Hours
Air Quality Monitoring	Optional	Intelligent IoT Management	Optional
Wind Speed Levels	3 Levels	Intelligent Control and Monitoring	Remote control + Bluetooth (4G optional) + APP
Lighting Integration	Yes	Dimensions and Weight	60cm*60cm*7.5cm, 11Kg

Medical Grade Ceiling Air Disinfection System Q6060B

Unrestricted human-machine coexistence
zero ozone medical grade air disinfection machine



Product overview



Equipped with UVC LEDs with a wavelength of 270 - 280nm, it uses ultraviolet rays to disrupt the molecular structure of DNA or RNA in the cells of microorganisms, causing the death of growth cells or regenerative cells, thus achieving a disinfection effect. High - quality industrial dual - ball - bearing cooling fan sets with a lifespan of 70,000 hours are selected. Through the active air convection of the fans and the structure of air inlet and outlet on both sides, the air circulation speed in the space is accelerated, and the disinfection efficiency per unit time is improved. It has the functions of disinfection, odor elimination, organic pollution removal, and indoor air purification. No ozone - like odor is generated, truly enabling the co - existence of humans and the device.

Product features

- Human-machine coexistence**

0 ozone generation, 0 pollutants, 0 electromagnetic radiation, truly achieving human-machine coexistence
- Concealed installation**

It can be discreetly installed on the ceiling, saving space and enabling more efficient use of limited indoor space
- Disinfection rate>99.99%**

Certified by authoritative organizations, achieving a disinfection rate of over 99.99%
- Low noise**

Silent and environmentally friendly in a stable operating state, with operating noise below 55dB and no impact on sleep
- Remove formaldehyde and allergens**

Disinfection can effectively remove toxic gases such as formaldehyde and various allergens from the air
- Energy conservation**

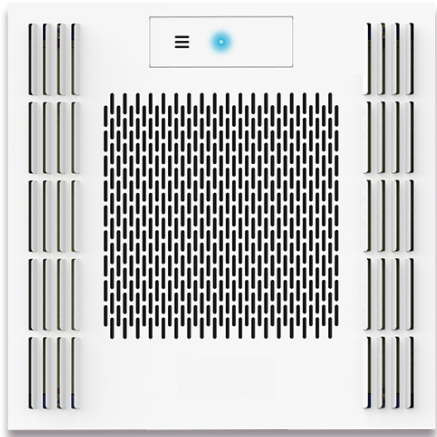
Disinfection and disinfection core has low power, low material consumption, no secondary pollution, and can operate for 7X24 hours

Technical Parameters

Product Name(Model)	Q6060-B (Basic Version)	Noise	≤55dB
Effective Space (m³)	≤100m³/150m³	Input Power Supply	Supports 100 - 240V
Disinfection Module	275nm Deep Ultraviolet UVC-LED disinfection module	Input Power	≤75W
Filter Type	Primary Filter screen or Activated Carbon Filter	Lifespan of the Disinfection Module	> 30000 Hours
Air Quality Monitoring	Optional	Intelligent IoT Management	Optional
Wind Speed Levels	3 Levels	Intelligent Control and Monitoring	Remote control + Bluetooth (4G optional) + APP
Lighting Integration	No	Dimensions and Weight	60cm*60cm*8.5cm, 16.5Kg

Medical Grade Ceiling Air Disinfection System Q6060C

Unrestricted human-machine coexistence
zero ozone medical grade air disinfection machine



Product overview



It is equipped with deep - ultraviolet LEDs with a wavelength of 270 - 280nm, along with primary and medium - efficiency filters. By leveraging the principle of ultraviolet disinfection, it works in harmony with components such as the outer shell, air ducts, and fans to efficiently eliminate bacteria in the air within enclosed spaces.

Unlike traditional disinfection methods, it addresses the necessity of evacuating people from the area during disinfection. During operation, it generates no ozone or unpleasant odors, truly enabling the co - existence of humans and the machine.

The machine is capable of continuous 24 - hour operation, constantly circulating and purifying the air, providing a clean and healthy environment at all times.

Product features

- Human-machine coexistence**

0 ozone generation, 0 pollutants, 0 electromagnetic radiation, truly achieving human-machine coexistence
- Concealed installation**

It can be discreetly installed on the ceiling, saving space and enabling more efficient use of limited indoor space
- Disinfection rate>99.99%**

Certified by authoritative organizations, achieving a sterilization rate of over 99.99%
- Intelligent monitoring**

Real time digital display of formaldehyde particulate matter onmobile app, showing various pollutants clear at a glance
- Remove formaldehyde and allergens**

Disinfection can effectively remove toxic gases such as formaldehyde and various allergens from the air
- Silent and durable**

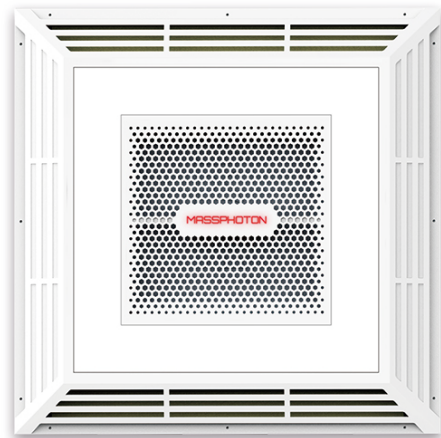
It operates stably with sleep - level silent purification. The all - metal, corrosion - resistant shell is sturdy and durable

Technical Parameters

Product Name(Model)	Q6060-C (Upgraded Version)	Noise	≤55dB
Effective Space (m³)	≤210m³	Input Power Supply	Supports 200-240V
Disinfection Module	275nm Deep Ultraviolet UVC-LED disinfection module	Input Power	≤175W
Filter Type	HEPA filter	Lifespan of the Disinfection Module	> 30000 Hours
Air Quality Monitoring	Temperature, Humidity, PM2.5, TVOC	Intelligent IoT Management	Optional
Wind Speed Levels	3 Levels	Intelligent Control and Monitoring	Remote control + intelligent controller + APP
Lighting Integration	No	Dimensions and Weight	60cm*60cm*29.5cm, 31Kg

Medical Grade Ceiling Air Disinfection System Q6060D

Unrestricted human-machine coexistence
zero ozone medical grade air disinfection machine



Product overview



It has the functions of sterilizing, removing odors, eliminating organic pollution, and purifying indoor air:① It can kill common bacteria in the air.② It can effectively degrade harmful substances in the air. It can also effectively intercept various fine particulate matters in the air.③ Combining photocatalyst and activated carbon filter, the photocatalyst can decompose harmful gases and some organic pollutants, while the activated carbon filter can specifically adsorb odors, achieving multiple air purification effects.④ It is equipped with an electrostatic dust - removal module, which can adsorb impurities such as dust in the air through electrostatic action.

Product features

- Human-machine coexistence**

0 ozone generation, 0 pollutants, 0 electromagnetic radiation, truly achieving human-machine coexistence
- Concealed installation**

It can be discreetly installed on the ceiling, saving space and enabling more efficient use of limited indoor space
- Disinfection rate>99.99%**

Certified by authoritative organizations, achieving a sterilization rate of over 99.99%
- Intelligent monitoring**

Real time digital display of formaldehyde particulate matter onmobile app, showing various pollutants clear at a glance
- Remove formaldehyde and allergens**

Disinfection can effectively remove toxic gases such as formaldehyde and various allergens from the air
- Silent and durable**

It operates stably with sleep - level silent purification. The all - metal, corrosion - resistant shell is sturdy and durable

Technical Parameters

Product Name(Model)	Q6060-D (Flagship Version)	Noise	≤55dB
Effective Space (m³)	≤210m³	Input Power Supply	Supports 100 - 240V
Disinfection Module	275nm Deep Ultraviolet UVC-LED disinfection module	Input Power	≤265W
Filter Type	Primary filter screen + activated carbon filter screen + HEPA filter	Lifespan of the Disinfection Module	> 30000 Hours
Air Quality Monitoring	Temperature, Humidity, CO₂, Formaldehyde, PM2.5, TVOC	Intelligent IoT Management	Optional
Wind Speed Levels	3 Levels	Control Method	Remote control + Bluetooth (4G optional) + APP
Lighting Integration	Optional	Dimensions and Weight	60cm*60cm*22cm, 28Kg

Medical Grade Mobile Air Disinfection System Y-1200U

It can quickly and effectively remove indoor PM2.5, formaldehyde, and odors, TvoC,disinfection



Product overview



This product is equipped with a 275nm deep - ultraviolet UVC - LED disinfection module, combined with an H13 - grade high - efficiency filter. For aerosols carrying bacterial pathogens and small particles ranging from 0.1μm to 10μm, the interception efficiency is as high as 99.9%. It can powerfully remove harmful substances such as formaldehyde, VOCs, allergens, and mites, comprehensively safeguarding your respiratory health. The application of a brushless DC motor ensures stable and quiet operation, creating a peaceful environment. The unique design of the dual - turbine air duct doubles the disinfection and purification effect, quickly refreshing the air.

Product features

- Human-machine coexistence**

0 ozone generation, 0 pollutants, 0 electromagnetic radiation, truly achieving human-machine coexistence
- Disinfection rate>99.99%**

Certified by authoritative organizations, achieving a Disinfection rate of over 99.99%
- Remove formaldehyde and allergens**

Purify fine particulate pollutants such as PM0.3, as well as formaldehyde, toluene, TVOC and gaseous pollutants
- Double purification effect**

The unique dual - turbine air duct design doubles the disinfection and purification effect, capable of rapidly refreshing the indoor air
- Intelligent monitoring**

Support the management of devices and data through mobile apps
- One - click sleep mode**

With one - touch sleep mode, the lights turn off automatically and the device operates silently, ensuring you a sound night's sleep.

Technical Parameters

Product Name(Model)	Y-1200U	Noise	≤55dB
Effective Space (m³)	≤150m³	Input Power Supply	220V/50Hz
Disinfection Module	275nm Deep Ultraviolet UVC-LED disinfection module	Input Power	≤110W
Filter Type	Primary filter + HEPA 13 filter	Lifespan of the Disinfection Module	> 30000 Hours
Air Quality Monitoring	PM2.5 + Temperature and Humidity	Removal of Odors and Formaldehyde	Yes
Circulating Air Volume	1200M³/H	Intelligent Control and Monitoring	Touch Screen + Remote Control + APP
Particulate Matter CADR	1000M³/H	Dimensions	370*400*796mm

Medical Grade Mobile Air Disinfection System YD-800U

The product is suitable for indoor air disinfection in public places such as oral healthcare facilities



Product overview



The air disinfection machine specifically developed for oral clinics

- ①The air disinfection and purification machine specially designed for dental office;
- ②It is easy to adjust the switch and wind speed by knob;
- ③It can be adjusted at any angle with 2 meters segmented universal arm;
- ④Capturing and wiping out the patient's exhaled breath, droplets, aerosols, bacteria and viruses and other pollutants quickly;
- ⑤Establishing a local negative pressure isolation zone between patients and doctors to disinfect thoroughly and to prevent cross-infection.

Product features

- Disinfection rate>99.99%**

Certified by authoritative organizations, achieving a disinfection rate of over 99.99%.
- Environmentally Friendly**

The UVC inactivation process is typically completed within a few seconds and does not produce any chemical contamination or residue.
- User-friendly operation**

Convenient control, omni-directional casters for mobile purification, knob-style infinite speed adjustment, and real-time multi-stage control.
- Wide applicability**

The segmented universal arm, with a total length of 2 meters, can be adjusted at will in terms of angles, flexibly covering different diagnosis and treatment areas.
- Quick collection**

Quickly collect pollutants such as breath, droplets, aerosols, bacteria and viruses exhaled by patients
- Human-machine coexistence**

0 ozone generation, 0 pollutants, 0 electromagnetic radiation, truly achieving human-machine coexistence

Technical Parameters

Product Name(Model)	YD-800U	Control Method	Knob Control
Disinfection Module	275nm Deep Ultraviolet UVC-LED disinfection module	Noise	≤55dB
Disinfection Efficiency	Within the effective space, in 1 hour, > 99.9%	Input Power Supply	220V/50Hz
Filter Type	HEPA 14 filte	Input Power	≤110W
Circulating Air Volume	800M³/H	Dimensions	420*420*850mm
Particulate Matter CADR	650M³/H	Lifespan of the Disinfection	> 30000 Hours

Medical Grade Mobile Air Disinfection System Y-2600U

100% disinfection, 100% purification. Rapidly establish a class - 1000 clean ward.



Product overview



Equipped with UVC LED with a wavelength of 270 - 280nm, it uses ultraviolet light to disrupt the molecular structure of DNA or RNA in the cells of microorganisms, causing the death of growth cells and/or regenerative cells, thus achieving a disinfection effect.

The machine has two air inlets at the rear, with a circulating air volume of 2600m³/h. The air outlet at the top ensures there is no direct - blowing sensation. It features touch - screen operation, with function data displayed in real - time. There are universal wheels at the bottom, making it convenient to move and fix.

This product is suitable for places such as isolation ward, operating room, trauma ward. It has advantages like low noise and zero ozone.

Product features

- Disinfection rate>99.99%**

Certified by authoritative organizations, achieving a disinfection rate of over 99.99%
- Efficient air circulation**

The machine is designed with two air inlets at the rear. With a circulating air volume of up to 2600m³/h, it enables rapid and efficient air circulation
- Environmentally Friendly**

The UVC inactivation process is typically completed within a few seconds and does not produce any chemical contamination or residue
- Convenient control and display**

It adopts a touch - screen design, integrating control and display on a single screen for easy operation
- Human-machine coexistence**

0 ozone generation, 0 pollutants, 0 electromagnetic radiation, truly achieving human-machine coexistence
- Comprehensive purification capacity**

The removal rate of total colony count, natural air bacteria and particulate matter reaches 100%

Technical Parameters

Rated voltage	220V/50Hz	Rated power	250W
Noise	≤55dB(A)	Product material	Carbon steel+paint
Operation mode	Smart touch screen	Product Size	900*393*1670mm
Applicable volume	≤320m³	Weight	100kg
Natural airborne bacteria	100%	Staphylococcus albicans	100%
Particle	100%	TVOC leakage	<0.01mg/m³
Total number of colonies	OCFU/皿	Circulating Air Volume	2600 m³ /h

Hundred-level positive pressure safety cabin

Rapidly establish a Class 100 standard positive-pressure protective ward.



Product overview



Hundred - level positive pressure safety cabin is a professional piece of equipment meticulously designed for medical settings. It creates a stable and clean air environment for patients, mitigating the impact of external contaminants on them and providing support for treatment and nursing procedures.

It meets Class - 100 standards, effectively purifies 0.3µm+ particles with 100% air self - purification. The high - efficiency ventilation allows 200 air exchanges, quickly renewing the air. Its disinfection and bacteriostatic functions can kill bacteria, reducing infection risks. With a modular design, it can be quickly set up and is easy to move.

Product features

- Disinfection rate>99.99%**

Certified by authoritative organizations, achieving a disinfection rate of over 99.99%
- Class - 100 cleanroom standard**

The air change rate can reach 200 times. It can effectively purify particulate matter of 0.3µm and above
- Environmentally Friendly**

The UVC inactivation process is typically completed within a few seconds and does not produce any chemical contamination or residue.
- Rapid cabin construction**

Rapidly establish a class - 100 standard positive - pressure protective ward. With a modular component design, it is easy to install. Universal casters are equipped for convenient
- Human-machine coexistence**

0 ozone generation, 0 pollutants, 0 electromagnetic radiation, truly achieving human-machine coexistence
- Low noise and energy - saving**

It has a sleep mode. When operating at the first - gear wind speed, it can run silently, creating a quiet environment for patients

Technical Parameters

Rated voltage	220V/50Hz	Rated power	340W
Noise	≤50dB(A)	Product material	Carbon steel+paint
Air volume	1800m³/h	Dimension of protected area	2178*1628*2023mm
Air changes	200 times	Weight	260kg
Natural airborne bacteria	100%	Staphylococcus albicans	100%
Sedimentation bacteria	OCFU/皿	Planktonic bacteria	OCFU/m³
0.3µm	0 mg/m³	0.5µm	0 mg/m³

Smart Internet of Thing

NSX-IoT device intelligent management platform realizes unified online management and dynamic control of devices.

Online management

Unified online management of devices through RoC IoT system for more efficient device management

Warning function

Online reminders for equipment malfunctions or expiration of consumable life; Improve the efficiency of equipment maintenance and reduce management costs

Infection control and data management

Real time display of equipment operation and control data, and the ability to analyze and export historical data

Intelligent algorithm

According to the usage scenario of the device, dynamic operation algorithms can be set to automate operation and save energy

Permission management

Different permissions can be established for different floors, properties, and personnel to differentiate and manage equipment safely and efficiently

The NSX-IoT mobile management system can monitor equipment operation anytime



Remote management

Manage the opening and closing of home devices at any time, and have control over smart living



Check anytime

Can be integrated with property management data, making home and environmental data clear at a glance, providing a more reassuring lifestyle



Reminder function

Reminders for equipment consumables replacement, scheduled drinking water, etc., make life more convenient and healthy



Application Scenarios

- Suitable for various public places such as hospitals, schools, office environments, hotels, restaurants, fitness centers, shopping centers, etc
- Provide disinfection and purification with high standards and requirements for the medical and pharmaceutical industry
- Provide prevention and protection for elderly people, children, and other family members with weakened immunity, postoperative recovery, and airborne diseases



Hospitals

Hospitals: can create a healthy and safe medical environment, including halls, consultation rooms, corridors, and wards.



Business Office

Business Office: A Fast and Effective Way to Protect Employee Health and Safety.



Nursing Home

Providing a comfortable and safe living environment for elderly people with low immunity is beneficial for their physical health.



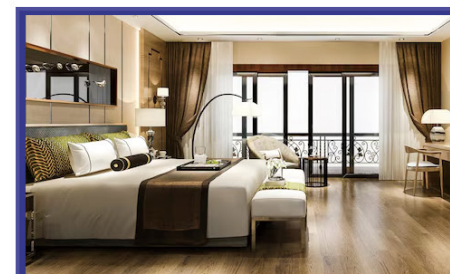
Fitness Center

A space to maintain the health and safety of members, protect customers, fitness trainers, and staff.



School

School: Assist in creating a healthy learning environment including classrooms, cafeterias, libraries, gyms, and hallways.



Hotel

Purifying room air and providing guests with a high-quality living environment; Enhance customer experience, strengthen existing cleaning to provide peace of mind for customers and employees.



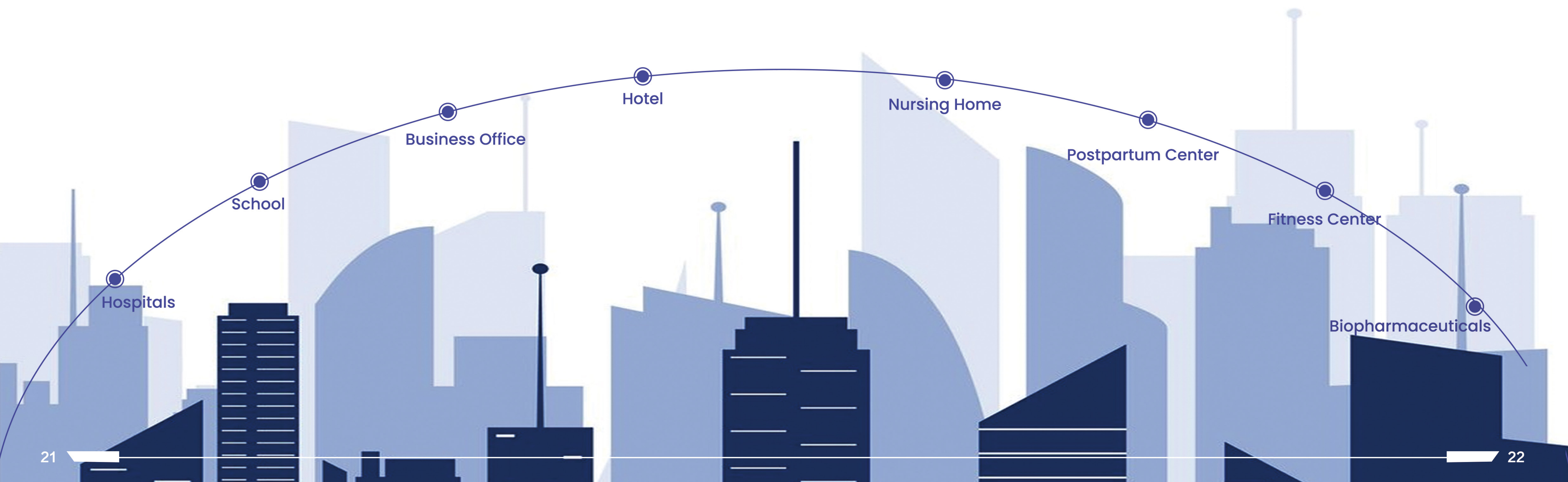
Biopharmaceuticals

Kill or remove microorganisms, viruses, and other potential pollutants from laboratory environments to ensure the accuracy and safety of experimental processes.



Postpartum Center

Provides medical teams with purer and safer air protection during diagnosis and treatment, ensuring comfort and sleep quality for mothers and infants during hospitalization.



Success cases



TSIM SHA TSUI
CENTRE

ONE NORTH



THE FIRST AFFILIATED HOSPITAL
OF SOOCHOW UNIVERSITY



Xuzhou Cancer Hospital



Nanjing Drum Tower Hospital

The Affiliated Hospital of Nanjing University Medical School



- Hong Kong - Tsim Sha Tsui Centre · Public Space
- Hong Kong - Langham Place · Garbage Room
- Nanjing - Gulou Hospital · EICU Ward
- Suzhou - University Affiliated First Hospital · Operating Room
- Xuzhou - Tongshan Experimental Kindergarten · Classroom
- Xuzhou - Tongshan Maternal and Child Health Hospital · Rescue Room
- Xuzhou - High-Tech Building · Conference Room
- Xuzhou - Tumor Hospital · Rescue Room

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