

Class 100 Positive Pressure Safety Cabin

- It can reach 100 grade clean standard;
- The number of air changes in the safety chamber is up to 200 times;
- Purify particulate matter of 0.3um and above;
- Kill settling bacteria and suspended bacteria in the air;
- Quickly establish a 100-grade standard positive pressure protection ward;
- Modular components, quick installation, easy to move;
- In sleep mode, one gear wind speed, silent operation;



Sterilization
Efficiency >99.99%



Multi-Dimensional
Purification



Powerful
Circulation



Human-Machine
Coexistence



Mercury-Free and
Environmental Protection



Zero
Ozone



Air Quality
Monitoring



The bone marrow transplant ward



Burn Ward



Intensive-care unit



Operating room

Product Parameters

• Model: Hundred-level positive pressure safety Cabin	• Model: Y-2600U
• Rated voltage: 220V / 50Hz	• Rated Voltage: 220V/50Hz
• Rated power: 340 W	• Rated Power: 250W
• Noise: ≤55dB(A)	• Noise: ≤55dB(A)
• Air volume: 1800m³/h	• Control Method: Smart Touch Screen
• Weight: 260kg	• Weight: 100kg
• Product material: Carbon Steel + Baked Enamel	• Product Material: Carbon Steel + Baked Enamel
• Dimension of protected area: 2178*1628*2023mm	• Product Dimensions: 900*393*1670mm
• Air replacement rate: 200 times	• Applicable Volume: ≤320m³
• Natural airborne bacteria: 100%	• Natural airborne bacteria: 100%
• Staphylococcus albicans: 100%	• Staphylococcus albicans: 100%
• Staphylococcus albicans: OCFU/ⅢⅢⅢ	• Particulate Matter Removal Rate: 100%
• Sedimentation Bacteria Suspended: OCFUc	• Staphylococcus albicans: OCFU/ⅢⅢⅢ
• 0.3um: 0 mg/m³	• Ozone Leakage: <0.003mg/m³
• 0.5um: 0 mg/m³	• TVOC Leakage: <0.01mg/m³

Specialized air disinfection units for dental clinics YD-800U

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



Sterilization
Efficiency >99.99%



Human-Machine
Coexistence



Rapid Collection



Knob Control

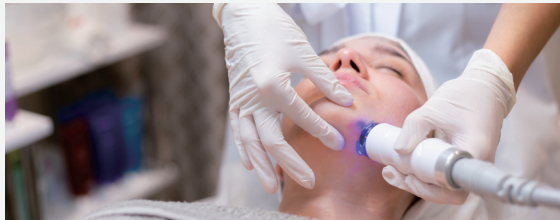


Dental Special



Department of Stomatology / Dental Clinic

During invasive procedures such as dental implantation and tooth extraction, a local negative-pressure isolation area shall be established to improve air cleanliness. For non-invasive operations like teeth cleaning and filling, the droplets and aerosols generated shall be captured. Through the approach of "source adsorption + simultaneous sterilization", the transmission routes of cross-infection are effectively blocked. In the course of orthodontic treatment, the droplets from the patient's mouth and respiration are likely to spread pathogens.



Medical Aesthetic Institutions

In high-risk areas such as waiting areas, post-treatment observation rooms, skin care areas, and areas for permanent makeup (tattooing) procedures, invasive aesthetic projects involve close contact and tissue trauma, which easily generate a large amount of aerosols and droplets—resulting in a significantly higher transmission risk. Air disinfectors provide reliable protection for clients and medical staff by establishing local negative-pressure isolation zones and eliminating contaminants rapidly through UV sterilization.

Product Parameters

• Model: YD-800U	• Control Method: 4-level knob control
• Effective Space (m³): ≤100m³	• Noise: ≤55dB
• Disinfection Module: 275nm Deep Ultraviolet UVC-LED disinfection module	• Input Power Supply: 220V/50Hz
• Disinfection Efficiency: Within the effective space, in 1 hour, > 99.9%	• Input Power: ≤110W
• Filter Type: Primary filter + HEPA 14 filter	• Dimensions: 420*420*850mm
• Air Recirculation Rate: 800M³/H	• Lifespan of the Disinfection Module: > 30000 Hours
• Particulate Matter CADR: 650M³/H	



MASSPHOTON LIMITED

Create Zero-ozone, Human-machine Coexistence

Intelligent Digital Air Disinfection Solutions

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About MASSPHOTON LIMITED

UVC-LED Technology

MASSPHOTON, founded by an experienced technical team in Hong Kong, specializes in the R&D of deep ultraviolet-C(UVC)LED chip technology and related products.We continuously innovate to provide efficient UVC-LED disinfection systems, safeguarding human health against harmful bacteria and viruses.

Digital Disinfection Technology

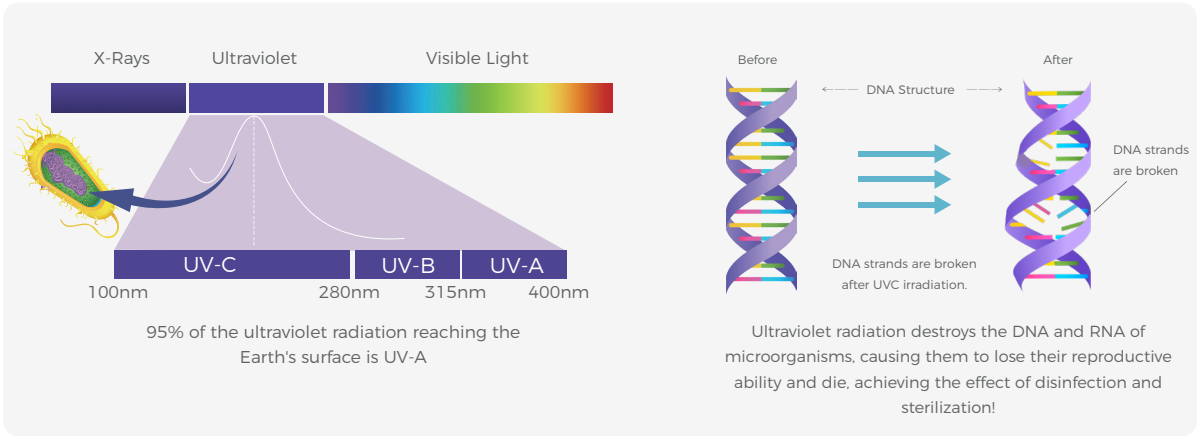
We have accumulated extensive application experience in air disinfection, surface disinfection, and water treatment. Our team's unique NitroSteriX™ digital disinfection technology is at the forefront of the industry.

Industry Specific Solutions

Combining AI technology, we provide solutions for various industries, promoting the practical application of cutting-edge technologies.

About UVC LED

■ Ultraviolet rays only account for 5% to 6% of the light that reaches the Earth's surface.



Certifications



NitroSteriX™ Medical-grade Air Disinfection & Purification



- Utilizes filtration and UVC LED disinfection to eliminate/adsorb aerosols and reduce airborne harmful substances.
- Widely applicable in medical, industrial, and public spaces, outperforming traditional equipment.
- No secondary pollutants such as ozone are generated, and it can operate sustainably.
- Long service life of consumables and core components, low use cost.
- High disinfection efficiency, with a sterilization rate of up to 99.99%.
- Low air volume requirement under the same effect, saving energy.

Hospitals
Efficiently eliminates airborne pathogens in crowded and mobile places, with low cross-infection risk and safer, greener mercury-free sterilization.

Maternity Care Centers
Safer air for medical teams, safeguard mothers and babies during hospitalization.

Schools
Help create a healthy learning environment including classrooms, cafeterias, libraries, and corridors.

Commercial Office
A fast and effective way to protect employees' health and safety.

Laboratories
Continuously cleans air, restrains microbial growth, no chemical residues, and reduces personnel exposure risks.

Nursing Homes
Provide a cozy, secure living space for low-immunity elderly to boost their physical health.

Medical-grade Ceiling-mounted/Mobile Air Disinfectors



- It offers disinfection, odor removal, organic pollutant elimination, and indoor air purification:
- ① Kills common airborne bacteria.
- ② Degrades harmful substances like formaldehyde and ammonia, intercepts fine particulates for cleaner air.
- ③ Photocatalyst decomposes harmful gases and organics; activated carbon filter adsorbs odors for multi-level purification.
- ④ Electrostatic dust-collection module adsorbs dust to boost purification.



Sterilization Efficiency >99.99%

Deep Purification

Human-Machine Coexistence

Mercury-Free and Environmental Protection

Zero Ozone

Easy Deployment

Air Quality Monitoring

Product Parameters

Model	Q6060A	Q6060B	Q6060C	Q6060D	Y-1200U
Effective Space (m³)	≤100m³/150m³	≤100m³/150m³	≤210m³	≤210m³	≤120m³
Disinfection Module	275nm Deep Ultraviolet UVC-LED disinfection module				
Disinfection Efficiency	Within the effective space, in 1 hour, > 99.9%				
Filter Type	Primary Filter screen	Primary Filter screen	Micro electrostatic module + activated carbon filter / HEPA filter	Activated carbon filter screen + HEPA filter	Primary filter + HEPA filter
Air Quality Monitoring	-	-	Temperature, Humidity, PM2.5, TVOC	Temperature, Humidity, Formaldehyde, PM2.5, TVOC	Temperature, Humidity, PM2.5, TVOC
Fan Speed Levels	3 Levels	3 Levels	3 Levels	3 Levels	-
Intelligent Control and Monitoring	Remote control + Bluetooth (4G optional) + APP	Remote control + Bluetooth (4G optional) + APP	Remote control + intelligent controller + APP	Remote control + Bluetooth (4G optional) + APP	Touch Screen + Remote Control + APP
Noise	≤55dB	≤55dB	≤55dB	≤55dB	≤55dB
Input Power Supply	Supports 100 - 240V	Supports 100 - 240V	Supports 100 - 240V	Supports 100 - 240V	220V/50Hz
Input Power	≤100W	≤75W	≤175W	≤265W	≤105W
Dimensions and Weight	60cm*60cm*8.5cm 16.5Kg	60cm*60cm*8.5cm 16.5Kg	60cm*60cm*29.5cm 31Kg	60cm*60cm*22cm 28Kg	370*400*796mm
Lifespan of the Disinfection Module	> 30000 Hours	> 30000 Hours	> 30000 Hours	> 30000 Hours	> 30000 Hours