老肯医疗
LAOKEN

Comprehensive Healthcare-Associated Infection Control Solutions Provider

Product Catalog

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LAOKEN Medical

better guarantee of your value of life

LAOKEN 老肯



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1 CENTRAL STERILE SUPPLY DEPARTMENT

TOTAL SOLUTION



WASHING EQUIPMENT

Automatic Washer Disinfector



Front View

LK/QX-500 LK/QX-550

Application Scope

Clean, disinfect and dry surgical instruments, anesthesia devices, bowls, plates, containers, utensils, glassware, etc

Usage Scenarios

CSSD, OR, etc.

Advantages

- **Good cleaning effect:** Unique single-layer double-spray-arm design, with a wide coverage and no dead corners.
- **Less water consumption**: 23L water per step, reducing energy and cleaning agent consumption.
- **Fast turnover:** Double pre-heating tank to save the overall processing time and improve the turnover rate.
- **Fast drying system:** Double-fan air supply, double stage heating system to greatly improve the drying efficiency.
- **Consumable monitoring:** Record and count the consumption of chemical agents; facilitating users to replenish in time and analyze the rationality of chemical usage.
- **Frequency conversion:** With frequency conversion cleaning technology, strong and weak flushing applied to different instruments, ensuring the cleaning effect while effectively protecting the instruments.
- **Water quality monitoring:** Monitor the water quality throughout the process, and automatically add cleaning agent to ensure the cleaning effect.
- **Multiple heating:** Electric heating, steam heating, electric-steam dual heating.
- **Traceability:** Can be interfaced with tracking software to save the operation records.



Back View

Automatic Vacuum Washer Disinfector



VWD-240

Application Scope

Applicable to Clean, disinfect, and dry of reusable surgical instruments, utensils, and instruments with lumens. Products should be able to withstand vacuum.

Usage Scenarios

CSSD, OR, pharmaceutical factories, and research labs.

Advantages

- **Efficient:** Without the need for ultrasound, irrigation, or using a dedicated washing rack, it deeply scour and clean the surface and internal lumen of instruments, causing microorganisms and other attachments on the instruments to quickly fall off and peel away.
- **Large loading capacity:** 9 - 18 standard DIN trays, no need to align the instruments.
- **Complete functions:** Allow mixed loading and instruments are stackable of regular surgical instruments, lumens, and orthopedic instruments, reducing the classification and loading work of CSSD staff.
- **Smart:** 3 adjustable water levels, automatically adjust the water intake according to the loading capacity, saving water and energy consumption.
- **Traceability:** Can be interfaced with tracking software to save the operation records.

Auto Multi Chamber Washer Disinfector



MC-3/MC-4

Application Scope

Clean, disinfect and dry surgical instruments, anesthesia devices, bowls, plates, containers, utensils, glassware, etc.

Usage Scenarios

CSSD, OR, pharmaceutical factories, and research labs.

Advantages

- **High efficient processing:** One stage – one chamber design for efficient reprocessing of surgical instruments.
- **Fast turnover:** Double pre-heating tank to save the overall processing time and improve the turnover rate.
- **Fast drying system:** Double-fan air supply, double stage heating system to greatly improve the drying efficiency.

Large Washer Disinfector



LK/QX-6100

Application Scope

Cleaning, disinfection and drying of transfer trolleys/carts, operating tables, workbenches, surgical shoes, surgical instruments (tools, containers, boxes), transfer boxes, etc.

Usage Scenarios

CSSD, labs

Advantages

- **Large capacity:** At least 24 plastic boxes (330x390x660 WxHxD) or 48 standard instrument trays.
- **Smart control:** Dual-screen design, one-key intelligent operation, ensuring strict and effective cleaning and disinfection.
- Stable and reliable: Siemens PLC control system, self-inspection and fault.
- **Safety:** Double - door interlock, anti-pinching protection, door can be opened from inside (maintenance), all operating power can be cut off.
- **Traceability:** can be interfaced with tracking softwires for easy access, organize and manage of info.
- **Easy maintenance:** position of the service access, can be decided at the installation site (left or right side).

Medical Washer



LK/CC

Application Range

Manual cleaning of surgical knives, hemostatic forceps, tweezers, injection needles, various syringes, various test tubes, glass tubes, medicine bowls, various trays, cylinders as well as minimally invasive surgical instruments and endoscopic instruments, etc.

Usage Scenarios

CSS, OR, scope center, etc.

Advantages

Flexibility: Composed of separate units: pre-washing tank, enzyme washing tank, ultrasonic cleaning tank, soaking tank, rinsing tank, boiling tank, and drying table, add or reduce tanks according to request.
Comprehensive: Beside washing tanks, steam cleaning, ultrasonic cleaning, boiling, etc. are added, which greatly improves the cleaning effect.
Durability: Made of stainless steel, no rust, no contamination, corrosion resistance and not easy to breed bacteria, service life up to 8 years.
Safety: Equipped with protective hood and exhaust device to prevent contamination during the cleaning process.
Smart: Micro-computer control & one-key operation

Ultrasonic Cleaner



LK/CSJ-10,15,20,30,40,50,
72,100,120,150,200

Application Range

Applicable to the cleaning of lumen and complex - structured instruments, precision instruments, etc.

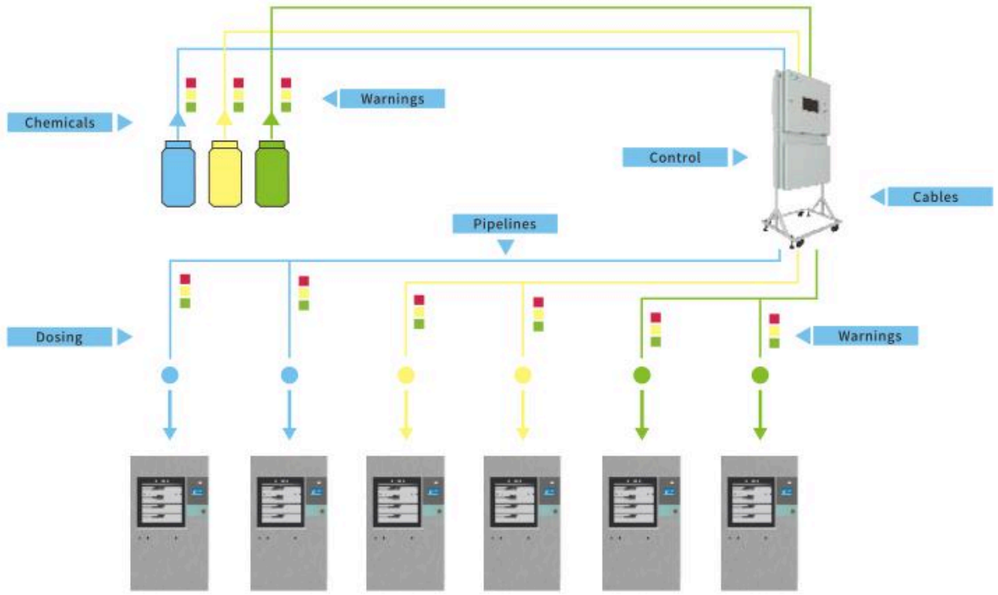
Usage Scenarios

CSSD, OR, research labs, etc.

Advantages

- **Fast cleaning speed:** The efficiency is several times higher than traditional cleaning methods.
- **Superior material:** Made of overall stainless steel, with a long service life.
- **High stability:** Core components all adopt imported brands.
- **Flexible adjustment:** Time and temperature are adjustable to meet different cleaning needs.
- **Smart:** Automatic water inlet and outlet, real - time display of time, temperature, etc., automatic stop and prompt after cleaning is completed.

Chemical Dosing System



Application Range

It is designed to be used on medical washing equipment that require on-demand dosing of chemical agents. It can be connected to washer-disinfectors, ultrasonic cleaners for ensure precise dosing of all required chemical agents.

Usage Scenarios

CSSD, labs, etc.

Advantages

- **Improve work efficiency:** Through intelligent control, the system manages the supply of chemical agents more efficiently, thereby enhancing overall work efficiency.
- **High level of automation:** The automated control system precisely delivers chemical agents to each cleaning device automatically, eliminating risks associated with manual operation.
- **Safer working environment:** Cleaning solutions and other chemical agents are typically corrosive. A centralized fluid delivery system minimizes frequent direct contact between staff and these chemicals, significantly improving safety for both personnel and the working environment.
- **Flexible design solutions:** The intelligent chemical agent management and control system can be customized to provide tailored application solutions based on users' specific needs.
- **Enhanced management capabilities:** In most equipment, cleaning solutions and other chemical agents are stored within maintenance compartments. The implementation of a centralized fluid delivery system eliminates the need for staff to frequently open these compartments to replace chemicals, ensuring smoother operations. Additionally, integration with a quality traceability management system further simplifies and enhances overall management.

Pulse Vacuum Steam Sterilizer



HSA-360ME,600ME, 800M ,800ME, 1000M ,1000ME,1200M ,1200ME, 1500M,1500ME



HST-1200M HST-1500M

Application Range

Sterilization of general surgical instruments, medical dressings, biological products, instrument utensils, sterile clothes, waste, liquid culture media and other items in the fields of medical and health, labs, bioengineering, pharmaceutical enterprises, etc.

Usage Scenarios

CSSD, general labs, bioengineering labs, pharmaceutical labs, etc.

Advantages

- **Vacuum system:** Adopts Liquid level balance and cooling system to ensure the pump is always in the best working condition, keeping high efficiency, low noise and long service life.
- **Safe and durable:** SUS304 S. S. material is adopted. The longitudinal seam of chamber adopts plasma automatic welding, and the remaining stress gaps are welded by robots, with designed service life up to 15 years.
- **Smart control:** Siemens PLC + colorful touch screen for full-automated control, while monitoring various functional states in real time.
- **Traceability:** Can be interfaced with tracking software to save the operation records.
- **High-strength heat preservation:** Equipped with super-effective heat preservation measures, reducing energy consumption and the burden on the room AC system.
- **No-pressure discharge:** Equipped with circulating water tank to greatly reduce water consumption and achieve low temperature & no-pressure discharge.
- **Hot water recovery:** Equipped with hot water recovery port at the outlet of the cooler, which recovers and reuses the high-temperature hot water generated during the cycle.

Low Temperature Plasma Sterilizer



LK/MJG Series

Application Range

It is designed for sterilization of temperature-sensitive medical devices, reusable surgical instruments, and high-precision instruments, lumens, catheters.

Usage Scenarios

CSSD, OR, scope centers, medical products production facilities, etc.

Advantages



Dedicated and Patented Cassette System

The sterilant cassette system has been granted a utility model patent. Compared with other sterilant packaging methods, it offers precise loading capacity, reliable safety, no risk of leakage, and convenient transportation.



Build-in Biological Incubators (Optional)

- An embedded, fully integrated biological incubator allows biological indicators to be placed directly into the incubator for incubation immediately after sterilization.
- Upon completion, the system automatically alerts the user, and the incubation results are stored together with the sterilization records on the display screen.
- This feature ensures simple, convenient operation and enables accurate retrieval of biological incubation records for each sterilization cycle.



Accurate Injection

- Equipped with high-precision, highly sensitive sensors and combined with fully automatic vacuum injection technology, the system uses ultrasonic welding to encapsulate hydrogen peroxide into precisely dosed capsules.
- Effectively ensures the accuracy of the hydrogen peroxide dosage.



Modular and Adjustable Tray Racks

The tray racks can be pulled out like drawers, making it easy to load and arrange instruments. They can be easily disassembled and reassembled according to the size of the items being placed, accommodating a wide variety of loads.



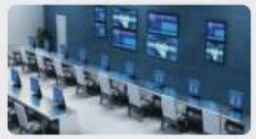
Storage up to 30,000 Cycle Records

The system features an exceptionally large sterilization record storage capacity, allowing users to retrieve and print historical data at any time, ensuring full traceability of each sterilization cycle and meets the data storage requirements for up to six years.



Safety-Protected Door

During loading and unloading, if hand(s) or any foreign object obstructs its path, the door will automatically stop moving to protect both the operator and the instruments inside.



Realtime Monitoring

Automatic monitors the faults on vacuum system, plasma generator, power supply, temperatures, and other parameters and displays on touch screen to inform the operators. Optional H2O2 concentration sensors provide realtime H2O2 concentration display and alert.



Unique Mechanical Structure

Fully metal structure with a lightweight body and a robust, durable steel frame. The sterilization chamber is made entirely of aluminum alloy, which promotes uniform temperature distribution and enhances sterilization efficacy for medical instruments.



Safe and Stable Endo Cycle

Endo Cycle is developed according to the unique structure and material properties of flexible endoscopes. By employing safe and stable vacuum and heating protocols, it protects endoscopes during sterilization, extends their service life, and increases the number of allowable sterilization cycles.



Build-in Vacuum Drying Program

The sterilizer automatically detects the humidity of the load and wet loads are subjected to 15–20 minutes of vacuum drying, ensuring thorough removal of moisture, even from the internal lumens of complex instruments, thereby guaranteeing optimal sterilization quality.



Package Scanning

Optional scanners to scan the bar code or QR code on the packages for traceability.



USB Data Interface

Inserting a USB drive allows sterilization records to be directly exported as editable Excel files, enabling convenient data handling and organization on a computer.



10 Inch High Resolution Touch Screen

Equipped with a large, high-resolution touchscreen for sharper, clearer display, reducing eye strain during prolonged use.



Traceability

Optional Ethernet port and provides open communication interfaces, enabling seamless integration with hospital management systems such as the CSSD traceability system, HIS, PACS, and other softwares. This supports real-time data synchronization and comprehensive sterilization quality traceability.



Foot Door Swtich

When operators have both hands occupied with instruments, they can open or close the cabinet door using a foot-activated mechanism. This hands-free feature greatly simplifies instrument loading and unloading, effectively addressing workflow bottlenecks and making the entire process more efficient and user-friendly.



IoT Monitoring

The first in China to propose the concept of traceability in sterilization processes based on IoT technology and developed a concrete implementation solution. Built upon the latest IoT control technologies (optional), the system enables diversified monitoring and management capabilities for sterilization equipment and workflows.

CSSD

Dual Chamber Plasma Sterilizer



Front View



Side View

Application Range

It is designed for sterilization of temperature-sensitive medical devices, reusable surgical instruments, and high-precision instruments, lumens, catheters.

Usage Scenarios

CSSD, OR, scope centers, etc.

Advantages

- **Dual Chambers:** Two different cycles can be run at the same time in two sterilization chambers, greatly improving the turnover efficiency of sterilizer.
- **High Sterilization Efficiency:** The shortest sterilization cycle less than 38 minutes*. (Standard cycle)
- **Closed-end Traceability:** Connect to rapid readout biological reader for closed-end traceability of sterilization results and biological incubation results.
- **Smart Recognition:** Equipped with RFID reader, camera and bar code reader to realize fast recognition of consumables and auto cycle binding. Assisting users to fast login according to access level settings.
- **Multiple Cycles:** Any 2 of the 6 preset cycles can be run at the same time in the two chambers.
- **Smart Control:** PLC with Android smart control system for smart and full automatic control and speech recognition and control of routine operations.

*Cycle time can be varied according to dryness and volume of load.

MEDICAL DRYERS

Medical Dry Cabinet



LK/GZG-350D,LK/GZG-500,
LK/GZG-500D

Application Range

Dry high temperature resistant surgical instruments, meeting the thorough drying requirements of instruments and items before sterilization, such as glassware, stainless steel instruments, wet bottles, instruments with pipes, bowls and plates, etc.

Usage Scenarios

CSSD, OR, etc.

Advantages

- **Optional specifications:** 350L, 500L; single or double doors for selection.
- **Temperature adjustable:** The temperature can be continuously adjusted from + 35°C to 90°C.
- **Adjustable time:** The drying time can be continuously adjusted from 1 to 9999 sec.
- **Special item racks:** Provided with special instrument racks, fixed racks for conduits, anesthesia conduit brackets, and humidifier bottle racks.
- Easy to use: Adopts micro-computer control and a large LCD display.
- **Automatic drying:** Auto drying ensures no liquid residue and good drying effect.
- **Safe:** Self-diagnosis, over-temperature alarm, low-temperature alarm, leakage protection, ensuring the safety of equipment use;
- **Water-collecting tray:** Water droplets are collected in the tray at the bottom of the cabinet. The tray can be pulled out for emptying without opening the cabinet door;
- **Easy to move:** Equipped with heavy duty casters, facilitating the movement and maintenance of the equipment.



MDC-520, MDC-520D

Application Range

Dry high temperature resistant surgical instruments, meeting the thorough drying requirements of instruments and items before sterilization, such as glassware, stainless steel instruments, wet bottles, instruments with pipes, bowls and plates, etc.

Usage Scenarios

CSSD, OR, etc.

Advantages

- **Bigger:** 520L, load up to 16 DIN trays (520x250x60mm), single / double doors.
- **Faster:** 2 times faster than traditional drying cabinet.
- **Better:** Double air duct circulation system, made of SUS304 S.S., longer service life.
- **More economical:** Unique shelf design to allow adjustment according to different products, more labor saving in operation and low maintenance cost.
- **Double-door interlock:** Ensuring effective isolation dirty & clean area.
- **Air filtration:** Effectively filtrate the entering air, avoiding of dust and bacteria from entering the cabinet, and effectively preventing secondary contamination.
- **Temperature adjustable:** The temperature can be continuously adjusted from + 35°C to 100°C.
- **Safe:** Self-diagnostic function, over temperature control, circuit leakage breaker, etc
- **Smart control:** PLC + touch screen control system for real-time control and observe the drying process.

Medical Vacuum Dryer



VDC-120, VDC-120D

Application Range

Rapid and thorough drying of heat-sensitive instruments and precision instruments that are not resistant to high temperatures, such as endoscopes, endoscopic biopsy forceps, test tubes, dressing change bowls, conduits, and ventilator spiral tubes.

Usage Scenarios

CSSD, OR, Endoscopy centers, stomatology departments, etc.

Advantages

- **Efficient:** Dual-chamber design, with two chambers operating independently. Fast drying speed is fast, approx. 10 minutes to dry a regular endoscope.
- **Large-capacity:** Chambers are larger and bigger to allow instruments that are still relatively large after disassembling.
- **Smart adjustment:** Automatically judges the drying effect, and 99.99% of the instruments can be automatically judged as dry.
- **Preset programs:** Timing, Smart, Custom with touch screen control.
- **High-quality materials:** Chamber made of high-quality aluminum alloy with a rounded - corner design, featuring a smooth surface. Chambers are covered with a PTC heating film, which is safe, efficient, and ensures uniform temperature rise.
- **Safe:** Self-diagnosis, over-temperature alarm, low-temperature alarm, leakage protection.
- **Water collecting tray:** Meet the long-term and high-intensity instrument drying operations in hospitals.

WATER TREATMENT

RO Water Plant



LK/RO-CL, LK/RO-SA

Application Range

Supply RO water to washers disinfectors, endoscope reprocessors, steam generators, steam sterilizers, etc.

Usage Scenarios

CSSD, OR, scope centers, dental clinics, etc.

Advantages

- Produced water quality complies with national CSSD guideline.
- Fully automatic pretreatment system with automated flushing and regeneration cycles.
- Dedicated water supply piping enabling multi-point water dispensing.
- PLC-controlled fully automatic operation, requiring no dedicated operator supervision.
- Multiple safety protections, including dry-run protection, high/low pressure protection, and more.
- Equipped with an LCD touchscreen interface featuring intuitive Chinese menu-guided operation.
- Reverse osmosis (RO) main unit includes an automatic pulse-flushing function to maintain membrane performance.
- Constructed with stainless steel, featuring a compact, streamlined design that minimizes footprint.
- Compatible with washer-disinfectors and sterilizers of any brand, ensuring flexible integration.
- Real-time online monitoring and display of key parameters such as conductivity.
- Integrated imported constant-pressure water supply system for stable output.
- Comprehensive energy-saving and water-saving features to enhance operational efficiency and sustainability.

Water Softener



Application Range

The system is for use in hospital CSSD, operating rooms, and other departments requiring soft water, as well as in industrial, food processing, and electronics manufacturing applications.

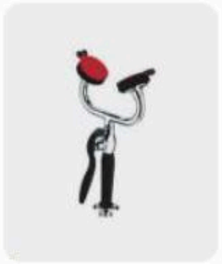
Usage Scenarios

CSSD, OR, scope centers, dental clinics, etc.

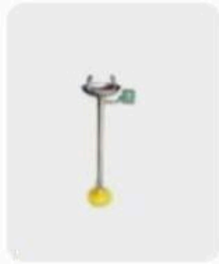
Advantages

- **Fully automatic operation:** The system autonomously executes all regeneration and service cycles without manual intervention.
- **Stable and reliable performance:** Ensures consistent and effective water softening.
- **Low operating costs:** Energy-efficient design reduces power and salt consumption.
- **Compact structure:** Small footprint saves valuable space.
- **Municipal water supply:** Provides deep softening right from tap water.
- **Simple installation:** Just connect to water and power—ready to use immediately.

STAINLESS FURNITURES



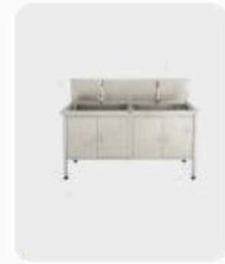
S.S. Eye Flusher (Table top)



S.S. Eye Flusher (Standing)



S.S. Dirty Washing Sink



S.S. Dirty Washing Sink



S.S. Dirty Washing Sink



S.S. Dirty Washing Sink



S.S. Dirty Washing Sink



S.S. Dirty Washing Sink



Reception Work Bench



S.S. Reception Work Bench



S.S. Work Bench



S.S. Work Bench



S.S. Drying Work Bench



S.S. Passbox Cabinet



S.S. Passbox



S.S. Auto Lifiting Pass Window



S.S. Dressing Packing Table



S.S. Dressing Packing Table



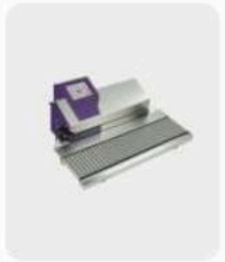
S.S. Packing Table



S.S. Packing Table



S.S. Cutter



Sealer



Rapid Reader



Insulation Tester



S.S. Dresing Cabinet



S.S. Basket Rack



S.S. Basket Rack



S.S. Rack



S.S. Rack



S.S. Rack



S.S. Basket



S.S. Wash Tray



S.S. Wash Tray



Sterile Delivery Cart



Sterile Delivery Cart



Sterile Delivery Cart



Sterile Delivery Cart



Sterile Delivery Cart



S.S. Sterile Cart



S.S. Sterile Cart



S.S. Sterile Cart



Cart Flusher

CSSD QUALITY TRACKING SOFTWARE

In Compliance with Up-to-date Standards

The tracking system complies with the related national laws, regulations and technical guidelines.

Localization

While complying with relevant standards and regulations of different countries, the system can be configured to support multiple languages including English, French, German, Italian, Spanish, Portuguese, and more，according to the needs of international users.

Flexible & Customizable



Smart Guidance & Auto Fault Correction

Smart guidance throughout the process

Auto fault correction
Smart all procedures control

Smart quality control
- Early warning
- Real-time monitoring & storage
- In-depth quality data analysis

Simple and User-friendly Interactions



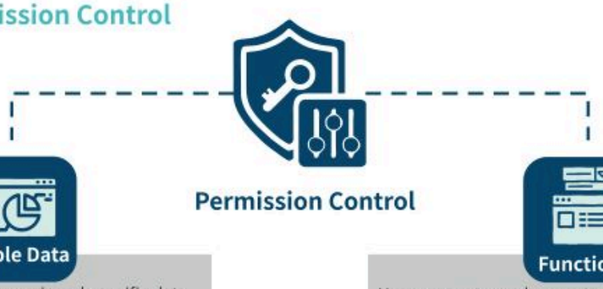
Dedicated Software for Each Position

1. Based on different usage scenarios, the system is finely divided into a Production Subsystem, a Management Subsystem, and a Clinical Department Terminal Subsystem. This modular approach avoids the constraints of a monolithic, overly complex design, resulting in clearer functional segmentation, simpler interactions, and enhanced data security.



2. Each production workstation features a role-specific customized interface with focused functionality, intuitive and easy-to-understand operation, a low learning curve, and precise, efficient performance.

Granular Permission Control



User accounts can be assigned specific data visibility ranges, enabling permission control at the data dimension level.

User accounts can be granted precise permissions for actionable features, allowing granular control over menu access and operable elements within pages.

Data Integration



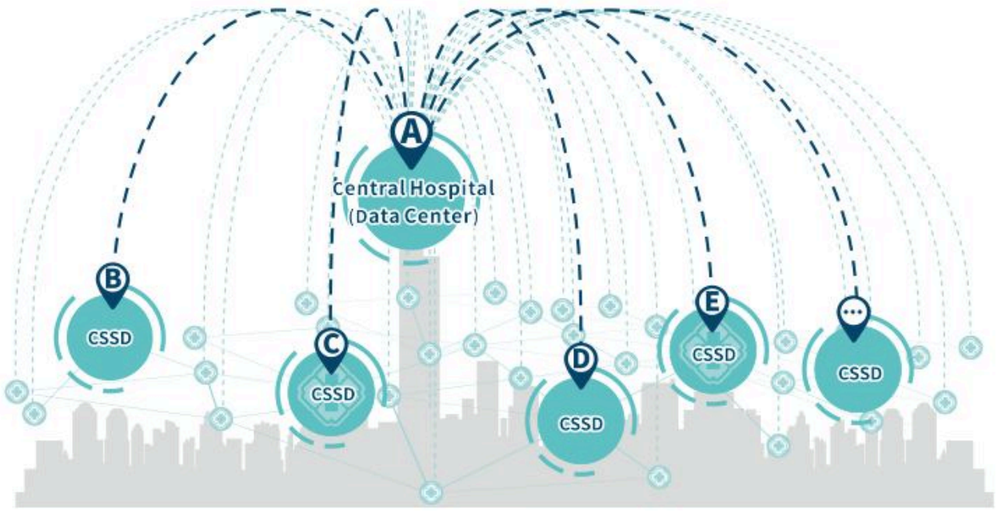
It can be integrated and docked with hospital information systems (such as HIS system, anesthesia system, logistics system, warehousing system, integration platform, etc.), achieving seamless docking and information interconnection.

It can be connected to the popular branded CSSD capital equipments to acquire washing and sterilization data for storage and cycle release.

Shared Service Model

For management of multiple CSSDs across a single hospital or multiple sites.

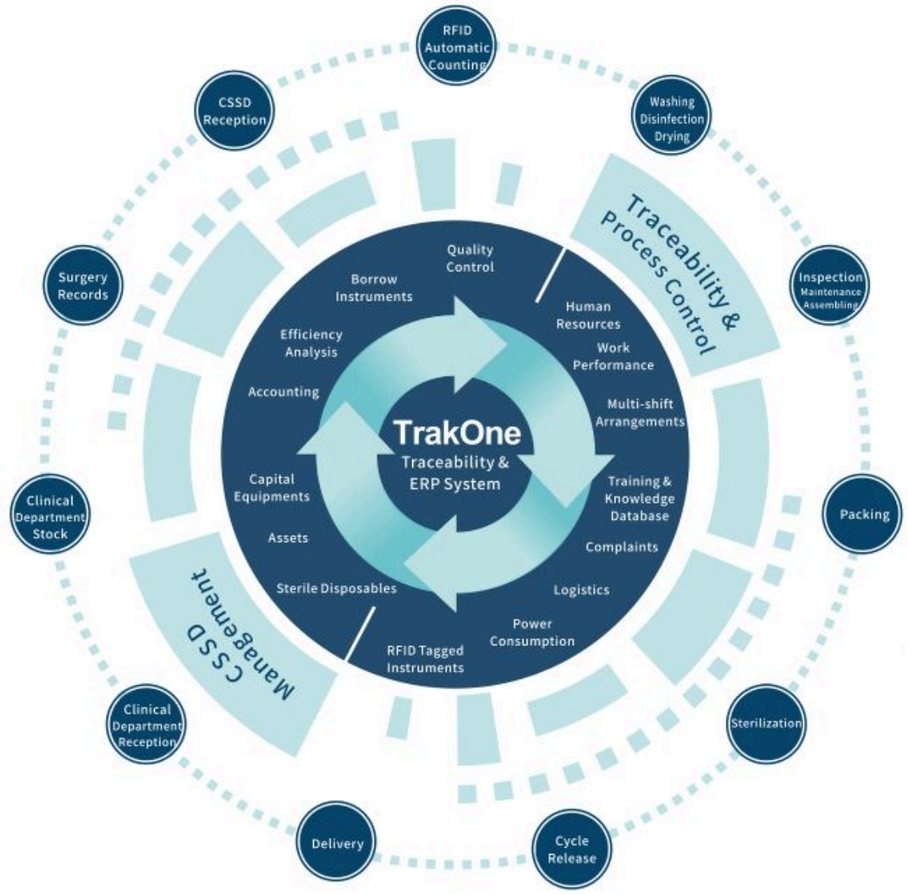
While managing CSSD operations for multiple hospital clients, the system can also handle multiple campuses or branches of a single hospital. Data from each CSSD is securely isolated through user-based permissions, ensuring strict data separation and confidentiality.



CSSD

Function Modules

- TrakOne integrates advanced information technology to empower the entire sterile supply process.
- It automatically tracks and manages various aspects of medical device reception, washing/disinfection, checking & assembly, packaging, sterilization, storage, delivery, using and returning, reducing manual operations and improving work efficiency.
- The system helps to optimize the work process, reduce unnecessary steps and waiting time, making the workflow more efficient and smoother.
- The system also provide comprehensive and effective management of staff, finance and materials, ensuring the smooth progress of sterile supply and guaranteeing medical safety.



2 ENDOSCOPE CENTER

TOTAL SOLUSION











REPROCESSING EQUIPMENT

Endoscope Scrubbing Station



LK/NQX Series

Application Range

Applicable to wash, disinfect and dry various types of flexible, rigid endoscopes.

Usage Scenarios

Endoscopy Center, OR, CSSD, Dental, Gastroenterology, ENT, Pulmonology, Ophthalmology & Otorhinolaryngology Department, etc.

Advantages

- Multiple sizes and configurations of cleaning sinks and drying stations are available, allowing on-site customized design tailored to the hospital's space layout and operational requirements.
- Hybrid manual + automated cleaning workflow: Each step, such as fluid injection, suction, air insufflation, and drying—is performed by a fully automatic perfusion/infusion system, significantly simplifying the operational process.
- Main components are molded in one piece from high-performance polymer composites, offering high compressive strength, excellent elasticity, oxidation resistance, corrosion resistance, wear resistance, and long service life. The smooth surface is easy to clean and minimizes bacterial adhesion.
- Large display screen features a recessed, concealed design, aesthetically pleasing, easy to clean, and unobtrusive during operation. Information is displayed in large, legible fonts for instant readability. The waterproof touch buttons allow effortless operation even with wet hands or while wearing gloves.

Automatic Endoscope Reprocessor



NQX Series

Application Range

Applicable for automatic cleaning, disinfection, and drying of various flexible endoscopes, including gastroscopes, colonoscopes, endoscopic ultrasound scopes (EUS), duodenoscopes, bronchoscopes, video laryngoscopes, and fiber choledochoscopes.

Usage Scenarios

Endoscopy Center, CSSD, Gastroenterology, ENTDepartment, Pulmonology, Ophthalmology & Otorhinolaryngology Department, etc.

Advantages

- Work with both reusable or single use disinfectant
- Continuously monitors pressure within the channels throughout the process. Automatically alerts if any channel is disconnected or blocked.
- Customized built-in programs tailored to diverse clinical demands enable the complete reprocessing of two endoscopes in 15 minutes, greatly improve turnover time.
- Intelligent leak testing ensures endoscope safety; dual independent chambers support one-touch rapid start, simplifying operations, boosting reprocessing efficiency, and reducing the risk of human error.

Automatic Endoscope Reproecessor



NQX-1

Application Range

Applicable for automatic cleaning, disinfection, and drying of various flexible endoscopes, including gastroscopes, colonoscopes, endoscopic ultrasound scopes (EUS), duodenoscopes, bronchoscopes, video laryngoscopes, and fiber choledochoscopes.

Usage Scenarios

Endoscopy Center, CSSD, Gastroenterology, ENTDepartment, Pulmonology, Ophthalmology & Otorhinolaryngology Department, etc.

Advantages

- Full-immersion vortex cleaning and disinfection ensures thorough, 360-degree, no-dead-zone coverage of the endoscope's external surface, while the perfusion system cleans and disinfects internal lumens to significantly reduce the risk of disinfection failure.
- Leak testing throughout the entire reprocessing cycle to alert for leakage, blockage, or equipment malfunction.
- Integrated high-precision sterile water filter and air filter ensure the safety and sterility of the reprocessing environment.
- Compatible with commonly used disinfectants, GA, OPA, PAA, and chlorine dioxide.

Endoscope Washer Disinfector



NQX-R Series

Application Range

Applicable to wash, disinfect and dry various types of flexible, rigid endoscopes.

Usage Scenarios

Endoscopy centers, ENT, ICU, Gastroenterology, Otolaryngology, Pulmonology Department, etc.

Advantages

- Pass-through dual-door design separates dirty and clean areas with interlocked doors and integrated water barriers for enhanced cross-contamination prevention.
- Chamber capacity ≥260 L, accommodating ≥3 flexible endoscopes or 6 DIN-standard trays (480×250×50 mm).
- 720° dual-pulse spray + perfusion technology ensures full-chamber coverage with no blind spots.
- Customized programs enable reprocessing of 3 endoscopes in as fast as 20 minutes, maximizing turnover efficiency.
- Continuous leak detection: Automatically halts the cycle and alerts if a leak is detected to prevent secondary damage.
- Full-circuit flow monitoring with real-time status display and alarm notifications.
- Dual self-disinfection modes: moist-heat and chemical disinfection, reliable, eco-friendly, and energy-efficient.
- Can be integrated with tracking software for traceability of reprocessing data, endoscope info, and operator records.

SCOPE STORAGE

Endoscope Storage Cabinet



ESC Series

Application Range

For storage of flexible and rigid endoscopes.

Usage Scenarios

Endoscopy centers, ENT, ICU, Gastroenterology, Otolaryngology, Pulmonology Department, etc.

Advantages

Flexible Endoscope Storage Cabinet:

- Three-tier adjustable hanging racks allow customizable positioning to accommodate and protect various endoscope models.
- Smart storage: Automatic dehumidification and disinfection run continuously, ensuring a consistently clean and dry environment.
- High-molecular ABS interior finishing which is smooth, seamless, and easy to clean to minimize bacterial growth.
- Available in single and double doors with multiple configurations to meet varying storage capacity needs.

Rigid Endoscope Storage Cabinet:

- Eight integrated trays, molded as one piece with fine interior finishing to provide dedicated rigid scope storage and without sliding rails to eliminate hidden dirt traps.
- Smart storage: One-time setup for automatic dehumidification and disinfection, maintaining a hygienic, dry environment.
- High-molecular ABS interior finishing which is smooth, crevice-free, and easy to clean to prevent microbial accumulation.

Endoscope Quality Tracking Software



LAOKEN-ETS

Application Range

Designed for traceable documentation, process management, and statistical analysis throughout the entire clinical use, cleaning, and disinfection.

Usage Scenarios

Endoscopy Center, Gastroenterology, ENT Department.

Advantages

- Record key reprocessing steps: leak testing, cleaning & disinfection.
- Smart processing control ensures correct cleaning protocols and precise timing for each step.
- Enables recording and traceability of endoscope storage, with configurable storage process controls.
- Can be integrated to HIS or PACS systems to link patient data with scope reprocessing records, enabling end-to-end information integration and enhancing the informatization and standardization.
- Preloaded with endoscope reprocessing instructional videos.

WATER & AIR SUPPLY

RO Water Plant for Endoscope Reprocessing



LK/ROE Series

Application Range

Applicable produce qualified RO water for endoscope reprocessing.

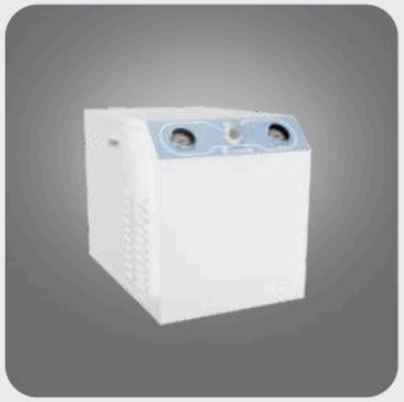
Usage Scenarios

Endoscopy centers, ENT, ICU, Gastroenterology, Otolaryngology, Pulmonology Department, etc.

Advantages

- Produce qualified RO water from tap water supply.
- Various production volume: 100L, 300L, 500L, 1000L, 1500L, 2000L.
- Fully automatic operation, automatic control, and fully automatic pulse flushing.
- Automatic alarms, low-pressure protection, overload protection and leakage protection.

Clean Air Source



CGS Series

Application Range

Applicable to supply clean, oil-free compressed air for scope reprocessing to prevent secondary contamination and ensure compliance with reprocessing quality standards .

Usage Scenarios

Endoscopy centers, dental treatment units, and other areas requiring sterile compressed air.

Advantages

- Compact design saves space and allows easy installation.
- Constructed from high-quality corrosion-resistant materials for rust-proof durability.
- Automatic timed drainage for hassle-free maintenance.
- Integrated plasma continuous sterilization + multi-stage filtration ensures consistently sterile, particle-free, and contaminant-free air output.

3 AIR AND SURFACE DISINFECTION

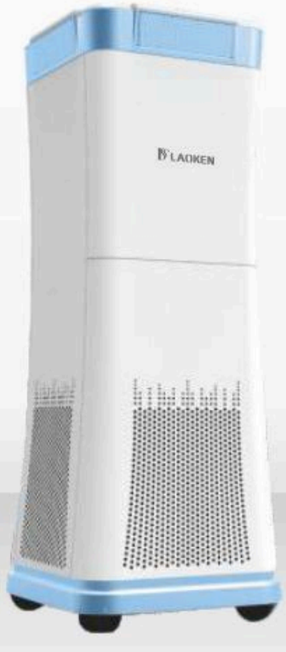
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AIR PURIFICATION AND DISINFECTION

Usage Scenarios

Healthcare Facilities:
Air purification and disinfection products are applicable for clinical departments at high risk of cross-infection and indoor environments equipped with centralized ventilation systems. Complies with requirements for most Class II, III, and IV healthcare environments, including: infectious disease wards, pulmonology departments, examination and treatment rooms, infusion rooms, diagnostic rooms, ICU and NICU, delivery rooms and neonatal/premature infant rooms, CSSD, etc.

Pharmaceutical & Food & Beverage Industries:
Aseptic rooms, laboratories production workshops, packaging areas, sterile manufacturing facilities

Public Spaces:
Applicable in high-traffic or enclosed public areas, including:
Airports and railway stations, office buildings, conference rooms, hotels and hospitality venues, etc.



Application Range

Applicable for air purification and disinfection without evacuation.

Plasma Air Sterilizer

LK-D Series

Advantages

- **Self-Disinfection:** Equipped with a self-disinfection atomization module that releases low-concentration hydrogen peroxide mist to rapidly disinfect both interior and exterior surfaces (with an optional dedicated disinfection hood). The process is fully sealed—no leakage—effectively preventing cross-infection, especially from patients testing positive for pathogens.
- **Powerful Microbial Elimination:** It oxidizes proteins, nucleic acids, and other cellular components, inactivating a broad spectrum of microorganisms,, achieving >99.9% kill rate against common pathogenic bacteria.
- **Safe for Occupied Spaces:** A high-molecular filter effectively adsorbs and removes airborne gaseous pollutants, including odors, ammonia, TVOCs, and formaldehyde, enabling safe continuous operation in occupied rooms .
- **Modular Design:** Modular architecture, simple maintenance and easy component replacement.
- **Return Air Grille Installation:** Designed according to return-air-grille unit to integrate seamlessly into central HVAC return vents with customized sizing, occupying zero indoor floor or wall space.
- **Smart Control:** Connected to a centralized data management platform, the system enables real-time monitoring of device status, centralized air quality data management, remote maintenance, report export, and analytical data visualization.

Compound Air Sterilizer

Laminar Flow Indoor Circulation Serise



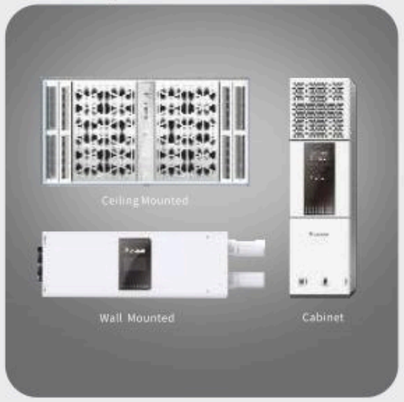
LK-A Series

Advantages

- **Deep Purification:** Achieves high-level air purification through an integrated multi-stage system combining pre-filter, medium/high-efficiency filtration, and plasma modules.
- **PM2.5 Filtration:** Effectively captures PM2.5 particles via a combination of pre-filtration and plasma-integrated technology.
- **Ultra-Quiet Operation:** Engineered with advanced noise-reduction design to deliver whisper-quiet performance, fully meeting human-centric acoustic requirements.
- **Disinfection & Sterilization:** The plasma-integrated module delivers high-efficiency inactivation of airborne pathogens such as Staphylococcus albus, achieving kill rates that comply with national disinfection standards.
- **Duct-Mounted Installation:** Designed for seamless integration into HVAC ductwork, with customizable dimensions to suit specific site requirements—saving space and ensuring aesthetic consistency.
- **Intelligent Monitoring & Centralized Control:** Connected to a cloud-based data management platform for real-time device status monitoring, centralized air quality data management, remote maintenance, report export, and analytical data visualization.
- **Smartphone App Control:** remote access via a dedicated mobile app to view real-time air quality indices and control the unit—allowing healthcare staff to monitor and manage air conditions in patient rooms, consultation rooms, and other critical areas anytime, anywhere.

Air & Surface

Compound Air Sterilizer



Air Exchange Series

LK-B Series

Advantages

- **Fresh Air with Constant Oxygen:** Introduces outdoor fresh air to maintain optimal indoor oxygen levels.
- **Dual Air Circulation:**
  - Outdoor cycle: Supplies fresh air and exhausts indoor air.
  - Indoor cycle: Purifies and disinfects indoor air.
- **Flexible Airflow Configuration:** Top or rear air inlet/outlet options minimize direct airflow on occupants.
- **High-Efficiency Heat Recovery:** Integrated total heat exchanger reduces energy loss, with up to 75% thermal efficiency.
- **Disinfection:** Plasma-integrated module achieves nationally certified high-level inactivation of airborne pathogens (e.g., Staphylococcus albus).
- **Smart Monitoring & Control:** Cloud platform enables real-time status tracking, centralized air quality management, remote maintenance, data export, and analytics.
- **Mobile App:** Remote monitoring and control via PC and smart devices for real-time air quality access for every room.
- **User-Friendly Interaction:** High-precision touchscreen with clear interface, intuitive operation, and long service life. Real-time environmental and air quality data displayed at a glance.
- **High-Efficiency Sterilization:** Achieves 99.9% microbial kill rate in just 30 minutes, with ultra-low power consumption—smaller motor, lower energy use.
- **Class 1,000 Cleanliness:** High-intensity UV irradiation eliminates virtually all pathogens; combined with an adsorption module for secondary purification of circulating air, reaching ISO Class 1,000 cleanroom standards.
- **Fresh, Healthy Air:** Removes ≥95% of formaldehyde and other harmful gases, and filters ≥99.9% of PM0.3 particles—significantly reducing health risks to patients and staff.
- **Tens of Millions of Negative Air Ions (NAI):** Continuously generates high-concentration negative ions during operation, refreshing indoor air, enhancing patients' immunity, and improving respiratory function.
- **Easy Maintenance:** Modular, multi-section cage-style design enables rapid disassembly and replacement—simplifying servicing and upkeep.
- **Traceable Records:** Integrated data management platform allows real-time access to disinfection logs, cumulative runtime, maintenance alerts, and work order status for proactive equipment management.

Air & Surface



High Level Air Purification

LK/MJZ Series

Advantages

- **Self-Disinfection:** Equipped with self-disinfection atomization module that releases low-concentration H2O2 mist to rapidly disinfect both interior and exterior surfaces (with an optional dedicated disinfection hood). The process is fully sealed to effectively preventing cross-infection, especially from patients testing positive for pathogens.
- **High-Performance Horizontal Laminar Flow Purification:** Captures PM ultra-fine particles with 100% single-pass efficiency. Features an industry-first large-area front-facing horizontal airflow design for high air-exchange rates and rapid purification, enhancing operating room turnover.
- **Ultra-Efficient Sterilization to ISO Class 5 (Class 100):** Achieves surgical-grade air cleanliness (Class 100, per Chinese Class I OR standards) by effectively eliminating common airborne pathogens.
- **Safe Continuous Operation with Occupants Present:** Combines high-energy photo-ionization, rapidly disrupting microbial protein structures, with a 222nm far-UVC module for simultaneous air and surface disinfection, ensuring high efficacy while allowing safe human-machine coexistence.

Bed Sterilizer



CXD-A Series

Application Range

Suitable for disinfection, deodorization, and whitening of cotton fabrics, textiles, and mattresses.

Usage Scenarios

Hospitals: Bedding, patient gowns, pillow cores, surgical scrubs, mattresses, etc.
Hotels: Sheets, duvets, pillowcases, pillow cores, bath towels, hand towels, etc.
Households: Clothing, bed linens, pillowcases, bath towels, face towels, etc.

SPACE AND SURFACE DISINFECTION

CT UV Disinfector



BEST/ZWX-B Series

Application Range

Applicalbe for space, air and surface disinfection after evacuation.

Usage Scenarios

Applicable for CT rooms and similar environments requiring ceiling-mounted air and surface disinfection systems.

Advantages

- **Full Coverage:** Advanced deep-UVC disinfection technology, enhanced with optimized lamp configuration and intelligent algorithms, enables rapid, comprehensive disinfection of target equipment.
- **Thorough Disinfection:** Multi-lamp design allows 3-axis adjustable positioning and extended-range operation, ensuring sustained, deep disinfection of hard-to-reach areas such as internal bores and scanner tables, meeting all clinical requirements.
- **Multiple Modes:** Supports delayed start, high-penetration remote control, and programmable scheduling to adapt to diverse operational needs.
- **Safety Protection:** Constructed with premium materials and featuring dual independent internal control circuits with full electromagnetic shielding for complete operator and patient safety.
- **Smart Monitoring & Control:** Integrated with a data management platform for real-time device status monitoring, grouped workflow data management, and log-based tracking including query, export, and printing of records.

Maget Free UV Disinfector



LK/ZWX Series

Usage Scenarios

Suitable for MRI rooms and other environments requiring non-magnetic air and surface disinfection.

Advantages

- **Electromagnetic Compatibility:** Featuring a newly optimized non-magnetic design, certified by accredited authorities for EMC compliance. Fully MRI-compatible and safe for use in MRI suites up to 3.0T.
- **Thorough Disinfection:** Dual-lamp configuration enables 3-axis, multi-angle positioning with extended reach—delivering continuous, deep disinfection of critical surfaces such as the magnet bore and patient table to meet all clinical requirements.
- **Safety Protection:** Entire unit constructed from non-magnetic materials, with dual independent internal control circuits and full electromagnetic shielding for comprehensive safety.
- **User-Friendly Operation:** Supports delayed start, high-penetration remote control, and programmable scheduling to accommodate diverse usage scenarios.
- **Smart Monitoring & Control:** Integrated with a data management platform for real-time device status monitoring, grouped workflow data management, and full traceability—including query, export, and printing of disinfection logs.

Space and Surface Disinfector (H2O2)



LK/VHS Series

Application Range

Suitable for disinfecting indoor air and surfaces in evacuated rooms, or for air disinfection only in occupied rooms.

Usage Scenarios

Suitable for disinfecting hard surfaces and air in healthcare and controlled environments such as operating rooms, ICUs, neonatal and infectious disease wards, general patient rooms, research and testing laboratories, animal facilities, microbiology labs, biopharmaceutical production areas, public zones, and other spaces with stringent hygiene requirements.

Advantages

- **High-Precision LiDAR Navigation:** Enables accurate self-localization and automatic transmission of real-time position data.
- **Efficient, Precise Disinfection:** Integrates multiple disinfection methods—including hydrogen peroxide vapor, UV light, and composite technologies—with quantifiable process control to deliver high-standard disinfection in both occupied and unoccupied settings.
- **Rapid Decomposition, No Residues:** After disinfection, active agents quickly break down into harmless byproducts—leaving no toxic residues and causing no corrosion to equipment.
- **Fully Automated & Intelligent Operation:** Controlled via tablet with fully autonomous workflows, enabling human–machine separation to ensure personnel safety.
- **Smart Obstacle Avoidance & Mobility:** Features intelligent obstacle detection, autonomous navigation, and the ability to traverse minor barriers for flexible, reliable operation.
- **Extended Battery Life & Auto Recharging:** Equipped with a high-capacity battery and automatic return-to-charge functionality when power is low.
- **Remote Monitoring & Intelligent Oversight:** Centralized data management platform for real-time tracking of operational status, centralized quality control of disinfection data, and remote maintenance and management capabilities.

Pulse UV Disinfection Robot



BEST/MCX Series

Application Range

Suitable for disinfecting indoor air and surfaces in evacuated rooms, or for air disinfection only in occupied rooms.

Advantages

- **Rapid Disinfection:** Pulsed full-spectrum UV (200–315nm) for ultra-fast disinfection — 5 minutes. Room can be used right after disinfection without post-cycle aeration.
- **Composite Decontamination:** Combines a multi-stage filtration and disinfection core with high-energy electrons and reactive species generated on high-molecular materials to effectively inactivate airborne microbes while simultaneously degrading organic pollutants.
- **Safe & Eco-Friendly:** Mercury-free, chemical-residue-free, no harmful gas emissions.
- **Intelligent Operation:** Automatically elevating irradiation that adjusting angle and height for 360° stereoscopic full space disinfection with zero blind spots. Auto return-to-charge, eliminating manual intervention.
- Smart Monitoring: Integrated with control platform for real-time device status tracking, centralized disinfection quality control, and remote maintenance.