



Intelligent Medical Equipment System Solution



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Website: <https://pengchi.net>

Operating Room Supporting Products | Behavior Management System | Medical Door Products | Air Filters



Dongguan Pengchi Intelligent Equipment Technology Co., Ltd. is a manufacturing enterprise specializing in providing supporting services for hospital construction, laboratory construction, and operation & maintenance. Established in 2006 and headquartered in Dongguan, Guangdong, the company owns a 30,000-square-meter production base.

Pengchi Intelligent currently focuses on the following main products: operating room supporting equipment, medical doors, medical washbasins, healthcare furniture, laboratory furniture, and surgical behavior management systems. It is an integrated smart medical equipment system solution provider that combines technological R&D, design planning, intelligent manufacturing, and sales services. The company has been recognized as a National High-Tech Enterprise, a "Specialized, Refined, Distinctive, and Innovative" (SRDI) enterprise, an Innovative SME, and a Dongguan Scale Enterprise.

After years of efforts, Pengchi Intelligence adheres to the service concept of "customer first, beyond expectations" and has been promoting the development of the industry with the corporate culture values of gratitude, responsibility, innovation and win-win.

Applicable scenarios of products created by Pengchi Intelligence: hospital operating rooms, disease control, drug testing, scientific research, quality inspection, colleges and universities, environmental monitoring, pharmaceuticals, scientific research institutions, etc., with multiple offices set up all over the country, which can quickly respond to customer needs and provide customers with "one-stop procurement" services.

Pengchi's cultural concept and mission:
strive for the development of human health and intelligent medical care, create a crowd-created platform, and realize the dream of partners.

Vision: Become a leader in the smart medical industry. Values: gratitude, responsibility, innovation, win-win

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Qualifications and Honors



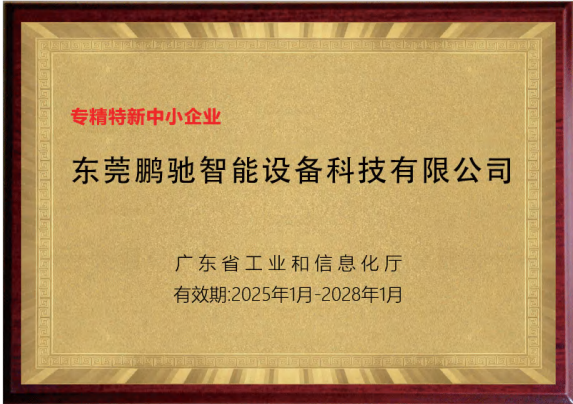
Production Base



Team Profile



High-tech Enterprise



Specialized, Refined, Distinctive, and Innovative Enterprise



Sheet Metal Processing Center



Bending Processing Center



Over 150 Patent Certificates



Medical Door Assembly Center



Finished Product Assembly Center



Clean wall panel processing center



Spray coating processing center



Environmental Management System Certification



Quality Management System Certification



Occupational Health and Safety Management System Certificatio

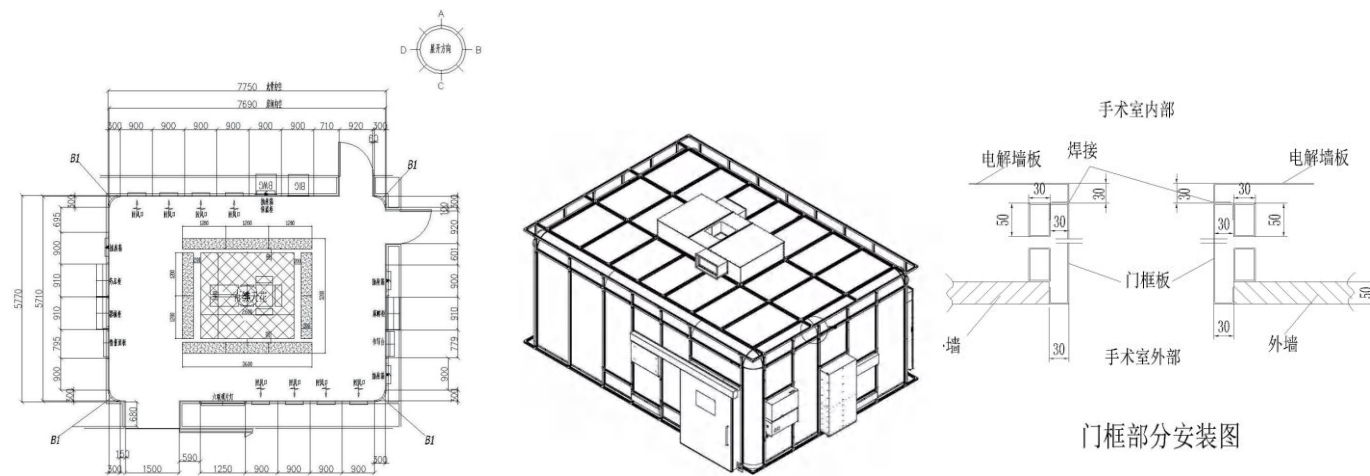
Keel Welding Type Operating room



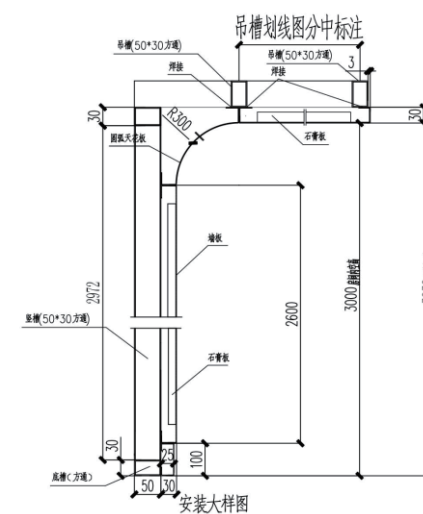
Wall Panel Parameters and Features

- 01 Steel frame structures can be made using 1.2 mm or 1.5 mm square tube studs.
- 02 Wall panels are made from 1.2mm or 1.5mm thick electrolytic steel plates, lined with high-strength fire-resistant gypsum boards or calcium silicate boards, and include vertical reinforcing ribs;
- 03 The corners of the operating room ceiling can be fitted with R300 or R150 rounded corners. Transitions between walls and walls, or walls and ceilings, can be achieved using R300 or R150 curved panels; 04 All equipment is designed for flush installation, aligning seamlessly with the wall surface, eliminating hygiene dead corners and mini-mizing dust accumulation;
- 05 All gaps between wall panels and equipment are filled with anti-aging weather-resistant adhesive, ensuring durability, no peeling, and excellent airtightness;
- 06 Seamless transitions between walls and between walls and ceilings, maximizing usable space;
- 07 Ceiling and wall colors are customizable, creating visual differentiation to reduce visual fatigue and alleviate tension during surgical procedures.

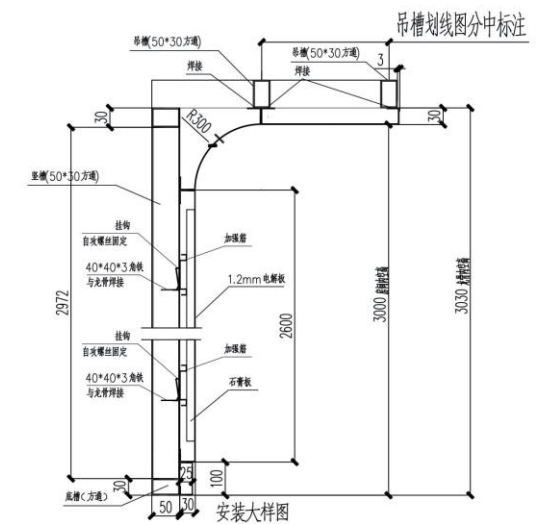
Construction Instructions



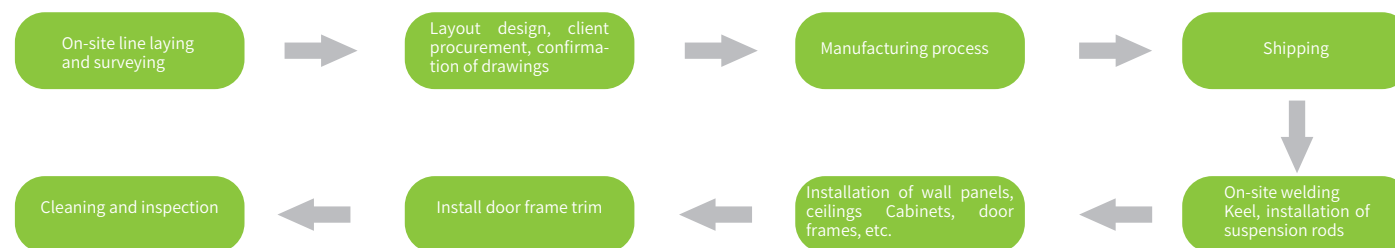
Installation process



Welded keel installation process



Keel welding (hanging board) installation process



OPERATING ROOM WALL PANEL MODULAR DOUBLE-SIDED QUICK INSTALLATION OR ROOM

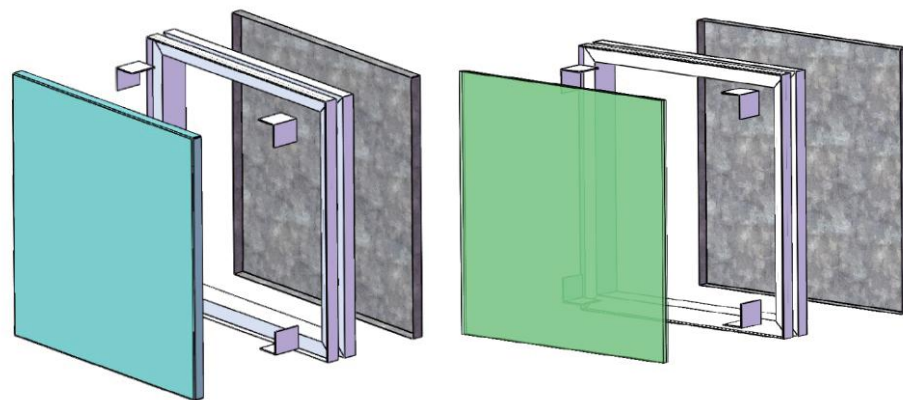
Aluminum profiles quick-assembly panel Operating room



Wall Panel Parameters and Features

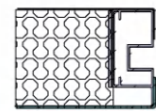
- 01 All top edges feature R150 or R300 rounded transitions;
- 02 Wall surfaces can be made using 1.0mm or 1.2mm fingerprint-resistant electrolytic steel plates with a baked paint finish;
- 03 Wall-to-wall flatness is within 2mm, and gaps between walls are controlled within 3mm;
- 04 Wall panel thickness is 50mm, with core materials available in aluminum honeycomb, gypsum board, or rock wool;
- 05 Shorter construction period, no on-site welding, no frame assembly installation, a single operating room can be completed in 3-5 days;
- 06 Assembly is achieved using floor frames, aluminum alloy frames, galvanized frames, or aluminum frames, ensuring a sturdy structure with high seismic resistance;
- 07 Wall panel materials can be selected from double-sided electrolytic plates or glass panels;

Construction Instructions

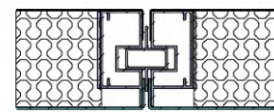
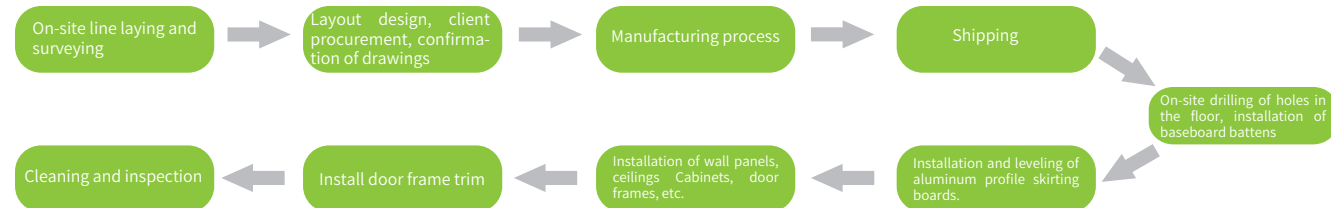


Aluminum quick-fit panel with aluminum profiles

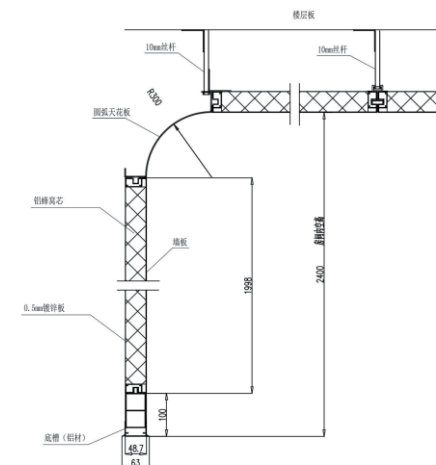
Quick-fit glass panel



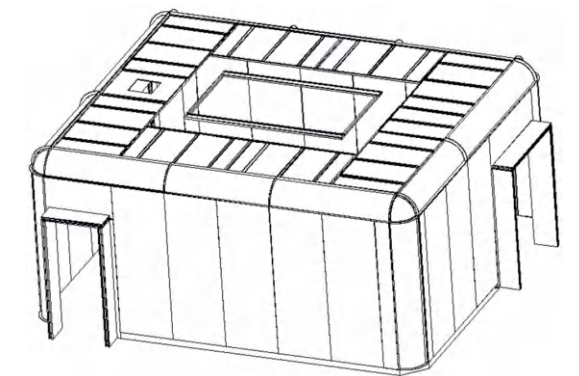
Aluminum honeycomb lining


Aluminum frame with aluminum
profiles


Installation process



安装大样图

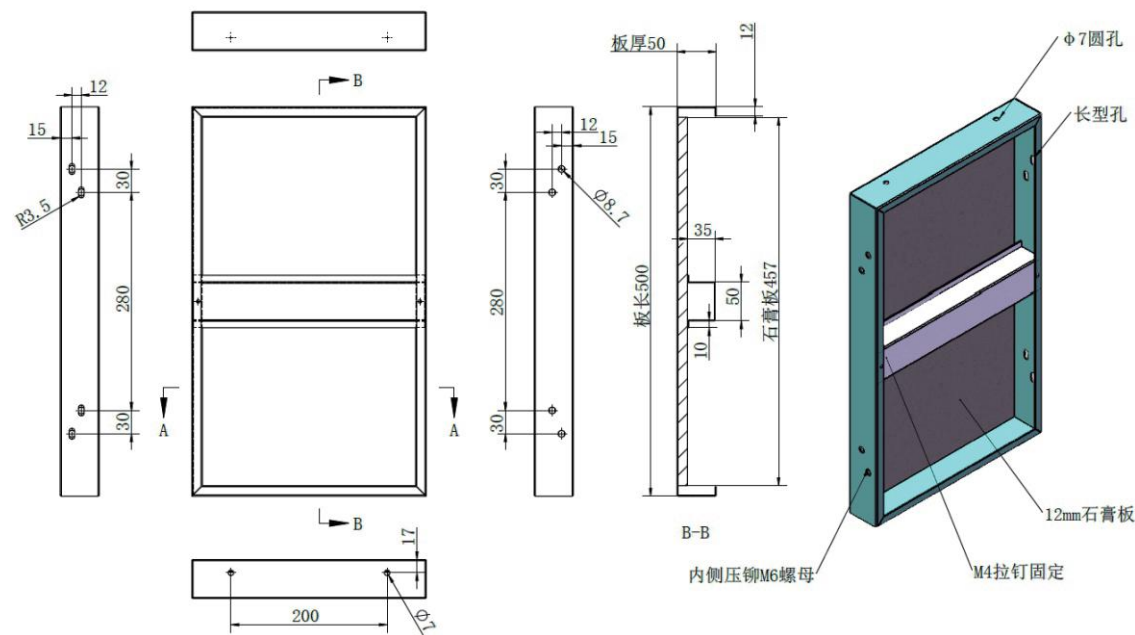
Installation process for aluminum
quick-fit panels with aluminum
profiles

Installation effect of aluminum
quick-fit panels with aluminum
profiles


Single sided quick-assembly panels

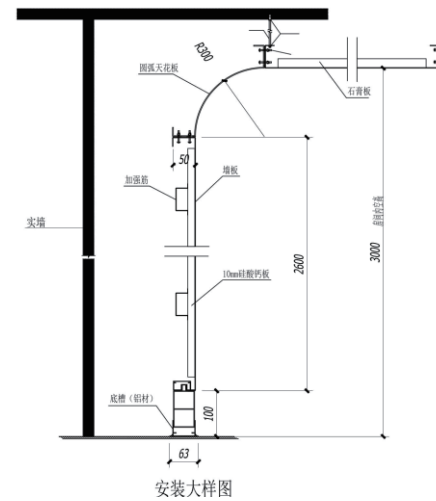


Wall Panel Parameters and Features

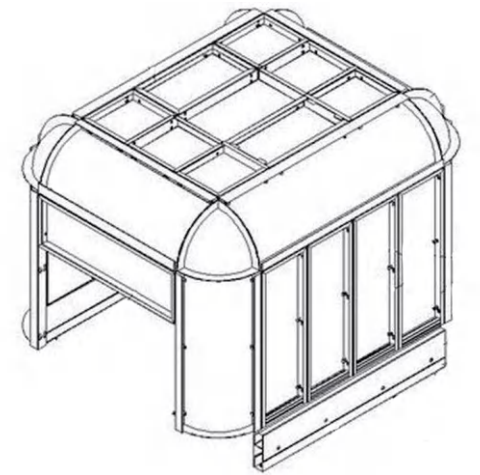
Construction Instructions



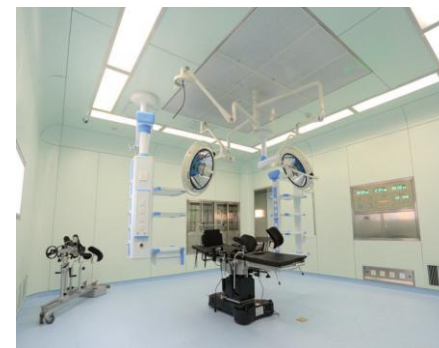
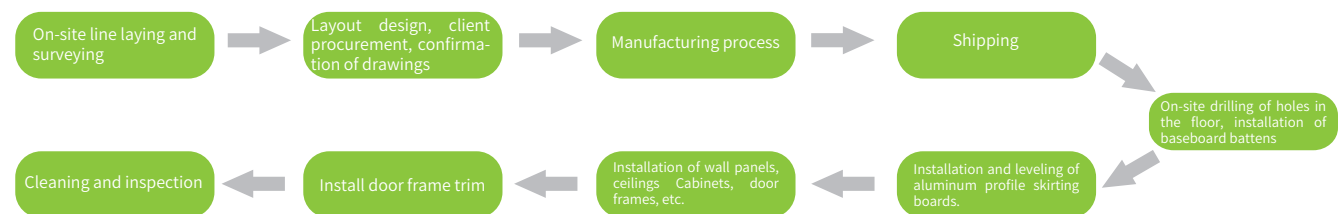
Installation process



Single-sided quick release panel installation process



Single-sided quick release plate installation effect

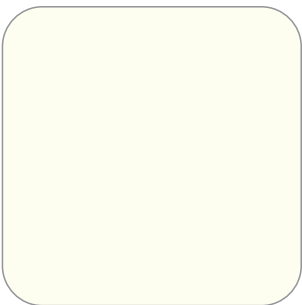


Operating Room Project Cases

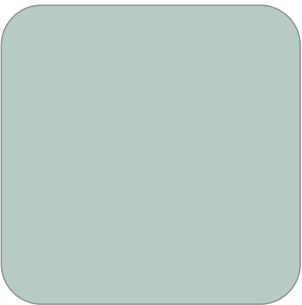


Common colours of wall panels

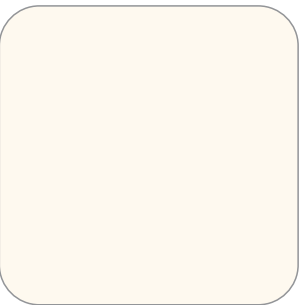
Note: The following colors are for reference only. The specific colors shall be subject to the actual sample.



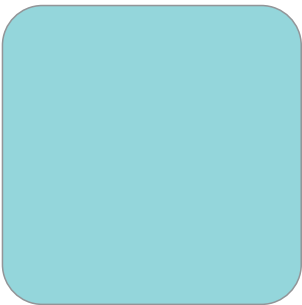
PC9263 beige



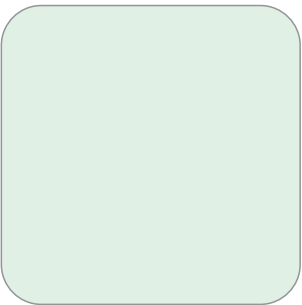
PC6076 matte blue



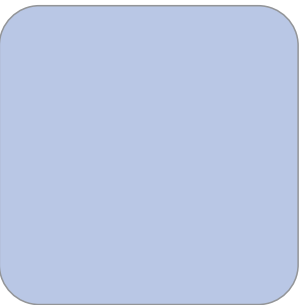
B5107 porcelain white



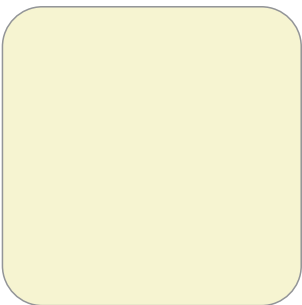
PC4783 Sapphire green matte finish



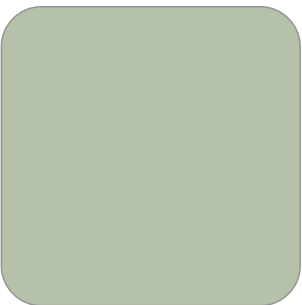
PC4787 light green



PC4785 sky blue



PC803 beige



PC640 creamy green

Operating room cabinet products

Medicine Cabinet/Anesthesia Cabinet/Instrument Cabinet Catheter Cabinet/Computer Cabinet

The cabinets in the operating room are uniformly built-in and flush with the wall, and are mainly used for storing and managing surgical items to ensure an efficient and safe surgical environment.

Product Features

- 01 Surface can be selected from high temperature electrostatic baking paint or 304 brushed stainless steel;
- 02 Recessed mounting on the wall, uniform size fit, no hygienic dead corners;
- 03 Built-in height-adjustable ladder design structure for freely adjusting the height of the tempered glass;
- 04 adopts the grooving process and reduces the bending arc sheet metal, which makes the fit between the sheet metal parts denser and not easy to hide the dust;



01 304 stainless steel medicine cabinet

Drawing number PCYPG-01
Cabinet 304 stainless steel, panel 1.2mm thick, box 1.0mm thick, surface sprayed with antibacterial coating; cabinet planing groove process, do not play glass glue, seamless welding process, no hygiene dead corners; hardware fittings embedded handles, mute damping guide; the overall structure of the upper glass casement, the lower baking lacquer steel plate casement, with a drawer plate in the middle; cabinet configuration of the glass laminate, self-adjusting height design, cabinet The surface of the cabinet is flush with the wall; non-standard customization is available.

Specifications
H1298×L898×D350
H1698×L898×D350
H1698×L1198×D350



02 304 Stainless Steel Instrument Cabinet

Drawing number PCQXG-01
Cabinet 304 stainless steel, panel 1.2mm thick, box 1.0mm thick, surface spraying anti-bacterial coating; cabinet planing groove process, do not play the glass glue, seamless welding process, no hygiene dead corners; hardware fittings using embedded handles, mute damping guide; the overall structure of the upper glass casement, the lower baking lacquer steel plate casement; cabinet configured with a glass laminate, free to adjust the height of the design, the surface of the cabinet and the wall The surface of the cabinet is flush with the wall; non-standard customization is available;

Specifications
H1298×L898×D350
H1698×L898×D350
H1698×L1198×D350



03 304 stainless steel anesthesia cabinet

Drawing number PCMZG-01
Cabinet body 304 stainless steel material, surface spraying antibacterial coating; cabinet planing groove process, do not play glass glue, seamless welding process, no hygiene dead corners; hardware fittings using embedded handles, mute damping rail; the overall structure of the upper glass casement door, the middle two drawers, under the lacquer plate casement; embedded handles designed to configure the cabinet glass laminates, freely adjust the height of the design, the surface of the cabinet and the wall is flush; can be Non-standard customization;

Specifications
H1298×L898×D350
H1698×L898×D350
H1698×L1198×D350



04 304 stainless steel conduit cabinet

Drawing number PCDGG-01
Cabinet 304 stainless steel, panel 1.2mm thick, box 1.0mm thick, surface spraying anti-bacterial coating; cabinet planing groove process, seamless welding process, no hygienic dead corners; the overall structure of the glass casement door, containing 6 groups of retractable special slide hooks, each group of 3; the cabinet surface and the wall flush; can be customized; non-standard;

Specifications
H1298×L898×D350
H1698×L898×D350
H1698×L1198×D350



05 304 stainless steel computer cabinet

Drawing number PCDNG-01
Cabinet 304 stainless steel, panel 1.2mm thick, box 1.0mm thick, surface spraying anti-bacterial coating; cabinet planing groove process, do not play the glass glue, seamless welding process, no hygiene dead corners; the overall structure of the upper no cabinet door, the middle with a drawboard, under the lacquer door; hardware accessories using embedded handles, mute damping rail; surface and the wall flush; can be customized; non-standard;

Specifications
H1298×L898×D350
H1698×L898×D350
H1698×L1198×D350

Operating room cabinet products

Medicine Cabinet/Anesthesia Cabinet/Instrument Cabinet Catheter Cabinet/Computer Cabinet

The cabinets in the operating room are uniformly built-in and flush with the wall, and are mainly used for storing and managing surgical items to ensure an efficient and safe surgical environment.

Product Features

- 01 Surface can be selected from high temperature electrostatic baking paint or 304 brushed stainless steel;
- 02 Recessed mounting on the wall, uniform size fit, no hygienic dead corners;
- 03 Built-in height-adjustable ladder design structure for freely adjusting the height of the tempered glass;
- 04 adopts the grooving process and reduces the bending arc sheet metal, which makes the fit between the sheet metal parts denser and not easy to hide the dust;



03 304 stainless steel anesthesia cabinet

Drawing number PCMZG-02 Cabinet 304 stainless steel material, surface spraying antibacterial coating; cabinet planing groove process, do not play glass glue, seamless welding process, no hygiene dead corners; hardware fittings using embedded handles, mute damping rail; the overall structure of the upper glass sliding door, the middle of the two drawers, the lower stainless steel sliding door; embedded handles design, the cabinet is equipped with a glass laminate, freely adjust the height of the design, the cabinet surface is flush with the wall; can be Non-standard customization;

Specifications
H1298×L898×D350
H1698×L898×D350
H1698×L1198×D350



01 304 stainless steel medicine cabinet

Drawing number PCYPG-02 Cabinet 304 stainless steel, panel 1.2mm thick, box 1.0mm thick; cabinet planing groove process, do not play glass glue, seamless welding process, no sanitation and hygiene corners; hardware fittings using embedded handles, mute damping guide; the overall structure of the upper glass sliding door, the middle with a drawboard, the lower stainless steel sliding door; cabinet configuration glass laminate, free height adjustment design, the cabinet surface and the wall is flush; can be Non-standard customization;

Norm
H1298×L898×D350
H1698×L898×D350
H1698×L1198×D350



04 304 stainless steel conduit cabinet

Drawing number PCDGG-02 The cabinet is made of 304 stainless steel, the panel is 1.2mm thick and the box is 1.0mm thick.1.0mm thick; cabinet grooving process, seamless welding process, no hygiene dead corners; the overall structure of the glass door, including 6 groups of retractable special slide hooks, each group of 3; cabinet surface and the wall flush; non-standard customization;

Specifications
H1298×L898×D350
H1698×L898×D350
H1698×L1198×D350



02 304 Stainless Steel Instrument Cabinet

Drawing number PCQXG-02 Cabinet 304 stainless steel, panel 1.2mm thick, box 1.0mm thick; cabinet planing groove process, do not play glass glue, seamless welding process, no sanitation and hygiene corners; hardware fittings using embedded handles, mute damping guide; the overall structure of the upper glass sliding door, the lower stainless steel sliding door; cabinet equipped with a glass laminate, free to adjust the height of the design, the surface of the cabinet and the wall is flush; can be customized; non-standard;

Norm
H1298×L898×D350
H1698×L898×D350
H1698×L1198×D350



05 304 stainless steel computer cabinet

Drawing number PCDNG-02 TThe cabinet is made of 304 stainless steel, the panel is 1.2mm thick and the box is 1.0mm thick.1.0mm thick; cabinet planing groove process, do not play glass glue, seamless welding process, no hygiene dead corners; hardware accessories using embedded puller, mute damping rail; on the stainless steel door, no cabinet door, the middle with drawer board, under the left 4 drawers, under the right door; the cabinet surface is flush with the wall; can be customized; non-standard;

Specifications
H1298×L898×D350
H1698×L898×D350
H1698×L1198×D350

Medical insulation and refrigeration cabinet

It is mainly used for storing medicines and medical equipments that need constant temperature and low temperature preservation during surgery;

Product Features

- 01 Face frame 304 stainless steel, box 304 stainless steel 1.0mm thickness;
- 02 embedded wall mounting, flush with the wall, does not occupy space;
- 03 wide tempered glass window, easy to observe the box at any time inside the object;
- 04 perfect alarm system, can realize the high and low temperature alarm system, power failure alarm, sensor failure alarm, to ensure safe operation to prevent accidents;
- 05 microcomputer program control temperature, LCD digital display, no need to press the key to enter, the screen directly touch the option to set the snow temperature, digital display, readings are extremely convenient, high precision temperature control;



MEDICAL INSULATION AND REFRIGERATION CABINET

Drawing number

PCBLG-01

Specifications

H971×L626×D570 (Volume 100L)

H980×L706×D600 (150L)

Cabinet body 304 stainless steel material, surface frame optional paint or stainless steel original color; intelligent microcomputer control, temperature and humidity real-time display, support for high and low temperature over-temperature alarms and power outage automatic alarm and other functions; box volume of the general respectively 100L and 150L; box box surface frame and the wall flush;



Surgeon Control Panel

It is mainly used for storing medicines and medical equipments that need constant temperature and low temperature preservation during surgery;

Product Features

- 01 Time module control, Beijing time, operation timing, anesthesia timing;
- 02 Air conditioning system control, such as temperature, humidity, and control of pressure distribution and airflow organization in the operating room. The panel is equipped with temperature and humidity setting keys, air-conditioning system normal/fault indicator lamps, and air-conditioning start/stop and duty switches;
- 03 Medical Gas Alarm: This function is used to monitor the gas pressure status of various medical gases in the operating room, and the panel displays the normal and fault status indication of the gases;
- 04 Lighting system control: One-key control of lights in the operating room and shadowless lamps and other illumination units;
- 05 Telephone system for easy communication between the operating room, nurses' workstations and doctors' workstations, supporting fixed-line and cellular phone dialing;



Surgeon Control Panel

Drawing number

PCQBMB-01

Specifications

H950×L953×D300 (27" control panel)

H1008×L1048×D300 (32" control panel)

Cabinet body made of 304 stainless steel, surface frame optional lacquer or stainless steel original color, the whole welded and ground without gaps, embedded installation of wall panels; control screen size of 27 inches or 32 inches, can also be equipped with four or six button panel; below with 304 stainless steel writing desk, downward flip open, equipped with buffer lever, built-in complementary light, open the door light, close the door lights, lights out; the whole and the wall is flush;



laminar flow air supply ceiling

Laminar airflow ceilings are important for ensuring the cleanliness of the air in a clean operating room, with varying degrees of microbial control to ensure a safe surgical environment;

Product Features

- 01 Can be equipped with flat or side-mounted high-efficiency filters, with an efficiency of up to H13/H14; 03The face frame and the homogenizing membrane are fixed with card springs for easy access.
- 02 Laminar flow ceiling adopts double-layer DPP damping net, airflow uniformity, no dead angle;
- 03 The surface frame and the equalizing membrane are fixed by card spring, which is convenient for overhauling;
- 04 encounter beams in the middle of the operating room, can be customized shaped laminar flow ceiling, the perfect solution;



01 TEN THOUSAND LEVEL MESH LAMINAR AIR SUPPLY CEILING

Drawing number
PCSWTH-01

Specifications
2600×1400×500

1.2mm thick electrolytic steel spraying box, DPP double-layer even flow mesh aluminum alloy crimping; the whole adopts embedded installation mode, with side-feeding airflow compensation device.The whole is installed in the embedded way, with side air supply and a medium-speed airflow compensation device in the center; the filter can be installed flat or sideways according to the requirements; it is equipped with H13 high-efficiency filters.H13 high efficiency filter;



02 THOUSAND LEVEL MESH LAMINAR AIR SUPPLY CEILING

Drawing number
PCSWTH-02

Specifications
2600×1800×500

1.2mm thick electrolytic steel spraying box, DPP double-layer even flow mesh aluminum alloy crimping; the overall embedded installation, side air supply, the middle with medium-speed airflow compensation device; filter installation can be selected according to the requirements of the flat or side installation; with H13 high-efficiency filters;



03 HUNDRED LEVEL MESH LAMINAR AIR SUPPLY CEILING

Drawing number
PCSWTH-03

Specifications
2600×2400×500

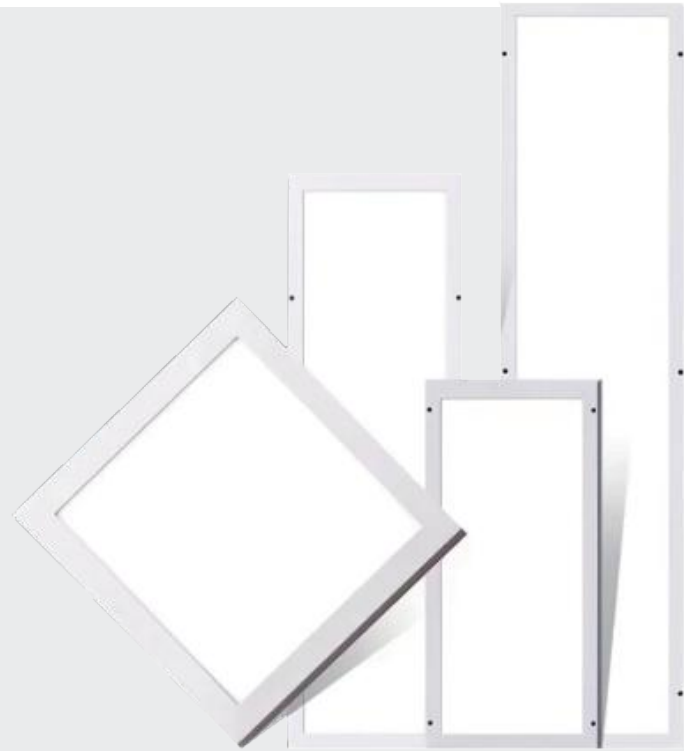
1.2mm thick electrolytic steel spraying box, DPP double-layer even flow mesh aluminum alloy crimping; the overall embedded installation, side air supply, the middle with medium-speed airflow compensation device; filter installation can be selected according to the requirements of the flat or side installation; with H14 high-efficiency filters;

Hermetic LED Belt

Can be used for gas-sealed light panels in operating rooms, suitable for use in clean places with gas-tight requirements;

Product Features

- 01 Ultra-thin ceiling-mounted light fixture, only 10 mm thick;
- 02 Imported light guide plates and diffusion plates are used to ensure soft and uniform light output. The back plate is made of aluminum, which has good heat dissipation properties.
- 03 Uniform matte texture, high light transmittance, and even light distribution.



Hermetic LED Belt

Drawing number PCQMDP-01

Ultra-thin ceiling-mounted light fixture with imported light guide plate and diffusion plate, aluminum backplate for heat dissipation; seamless sealed design; high-transparency lampshade for uniform light emission.

Specifications

Name	External dimensions	Power
Beveled Ultra-Thin LED Recessed Ceiling Light	L600 × H 300 × D10	30
	L600 × H 300 × D10	40
	L1200 × H 600 × D10	40

Operating room Return Grill

The operating room return air vent is an important component of the air purification system. Its main function is to exhaust contaminated air from the operating room through air ducts to ensure the air quality in the operating room.

Product Features

- 01 The return air box body is made of electrostatic spray-coated steel plate, and the panel can be selected from aluminum alloy louvers or steel mesh plates;
- 02 Spring clip fastening structure, easy to clean and replace;
- 03 The filter can be selected from primary, medium, high efficiency, or nylon mesh to make the air cleaner;
- 04 Customizable sizes, materials, colors, and other non-standard styles

01 ALUMINUM PROFILE LOUVER Return Grill



Drawing number
PCHFK-01

Specifications
L 600 × H 400 × D 350
L 900 × H 400 × D 350
L 1200 × H 400 × D 350

The box body is made of electrostatic spray-coated steel plate, and the panel adopts a door hinge-type louver with adjustable blades and a nylon mesh; it adopts a spring clip structure; the filter can be selected according to requirements for primary/medium/high efficiency;

03 ALUMINUM PROFILE LOUVER Exhaust Grill

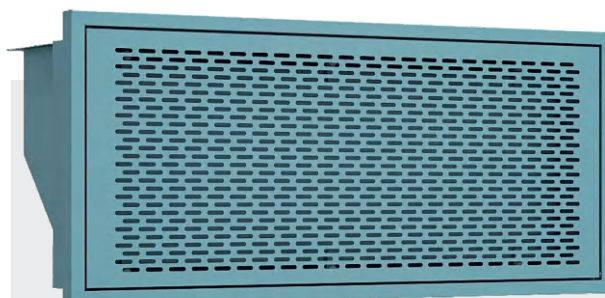


Drawing number
PCPHK-01

Specifications
L 410 × H 410 × D 280

The housing is made of electrostatic powder-coated steel plates, with hinged louvered panels featuring adjustable blades and nylon mesh; it uses a spring clamp structure; filters can be selected according to requirements for primary/medium/high efficiency.

02 STEEL MESH PLATE Return Grill



Drawing number
PCHFK-01

Specifications
L 600 × H 400 × D 350
L 900 × H 400 × D 350
L 1200 × H 400 × D 350

The housing is made of electrostatic spray-coated steel plate, and the panel is made of perforated steel plate. The filter can be selected according to requirements: primary, medium, or high efficiency.

04 HEPA BOX



Drawing number
PCSFK-01

Specifications
L 370 × H 370 × D 400
L 534 × H 534 × D 400
L 680 × H 680 × D 450

The housing is made of electrostatic spray-coated steel plate or stainless steel plate; the diffuser plate material can be selected from spray-coated steel plate, electrolytic plate, stainless steel plate, or flow distribution membrane.

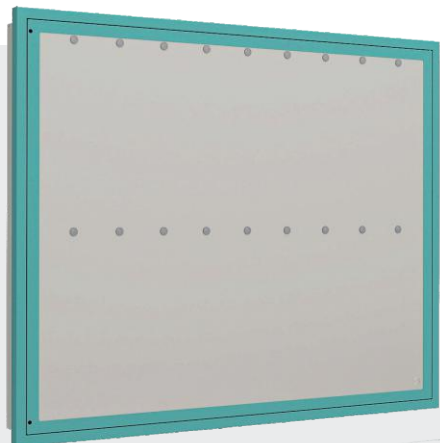
X-Ray View Panel

Equipment used in operating rooms to observe and analyze medical images (such as X-rays).

Product Features

- 01 Viewing boxes are available in LED tube and LED bead versions.
- 02 Classified by the number of slides into double, triple, quadruple, and sextuple;
- 03 The tube version has a high-brightness translucent panel with non-adjustable brightness. The bead version has tempered glass and adjustable brightness.
- 04 Both the lamp tube and lamp bead slide boxes are embedded and flush with the wall;

01 X-Ray View Panel



Drawing number
PCGPX-01

Specifications

L898 × H1008 × D120 (four-unit) wall;
L1248 × H 1008 × D120 (six-unit)

Classified by the number of screens into double, triple, quadruple, and sextuple; equipped with LED light tubes; embedded installation flush with the

02 X-Ray View Panel



Drawing number
PCGPX-02

Specifications

L 1270 × H 569 × D 120 (triple with outer frame)
L 970 × H 1065 × D 120 (quadruple with outer frame)
L 1270 × H 1065 × D 120 (sextuple with outer frame)

Classified by the number of screens into double, triple, quadruple, and sextuple; equipped with LED light beads; available in external and embedded installation types;

Power outlet box

An integrated power distribution device designed specifically for the electrical needs of clean operating rooms.

Product Features

- 01 The front panel is available in 304 stainless steel or electrolytic steel plate with baked paint finish, and the box body is made of stainless steel.
- 02 Sockets are available in three, four, five, six, and other configurations.
- 03 220V/380V and grounding terminal combinations can be freely selected and matched.
- 04 The edge can be finished with a straight or slanted edge.

01 Power Socket Panel



Drawing number
PCCZX-01

Specifications

L 898 × H218 × D100 (five stainless steel straight edges)
L 1198 × H218 × D100 (six stainless steel straight edges)

The front panel is made of electrolytic steel plate with overall powder coating, welded and polished at a 45-degree angle, and brushed for a smooth and attractive appearance. Stainless steel baked enamel finish, equipped with 3 x 220V five-hole sockets, 1 x 380V socket, and 2 x terminal blocks; the front panel is flush with the wall; dimensions and configuration can be customized according to customer requirements.

02 Power Socket Panel



Drawing number
PCCZX-02

Specifications

L 898 × H218 × D100 (five stainless steel straight edges)
L 1198 × H218 × D100 (six stainless steel straight edges)

The front panel is made of 304 stainless steel brushed plate, with the entire structure welded and polished at a 45-degree angle, followed by brushed edge treatment, resulting in a smooth and aesthetically pleasing appearance. The stainless steel surface is finished with a baked paint coating, featuring 3 x 220V five-pin sockets, 1 x 380V socket, and 2 x terminal blocks; the front panel is flush with the wall surface; dimensions and configurations can be customized according to customer requirements;

Medical Gas Outlet Panel

The medical gas terminal box is a gas supply terminal device designed specifically for operating rooms.

Product Features

- 01 The panel is available in 304 stainless steel or electrolytic steel plate with baked paint finish.
- 02 Supports customization, can be classified by gas type, with multiple sizes and port options;
- 03 Built-in design, flush with the wall.
- 04 Terminal standards can be selected from Chinese national standards, German standards, and American standards;

01 Medical Gas Outlet Panel



Drawing number
PCQTX-01

Specifications

L 566 × H 218 × D70
(four-position air source box with slanted edges)
L 806 × H 218 × D70
(six-position air source box with slanted edges)
L 898 × H 218 × D70
(2-7 air source box with straight edges)
L 1198 × H 218 × D 70
(2-9 air source box with straight edges)

The housing is made of stainless steel, with a 304 stainless steel panel, stainless steel baked enamel, and electrolytic steel plate baked enamel; gases include oxygen, compressed air, carbon dioxide, nitrogen, and vacuum suction.

02 Medical Gas Outlet Panel



Drawing number
PCQTX-02

Specifications

L 566 × H 218 × D70
(four-position air source box with slanted edges)
L 806 × H 218 × D70
(six-position air source box with slanted edges)
L 898 × H 218 × D70
(2-7 air source box with straight edges)
L 1198 × H 218 × D 70
(2-9 air source box with straight edges)

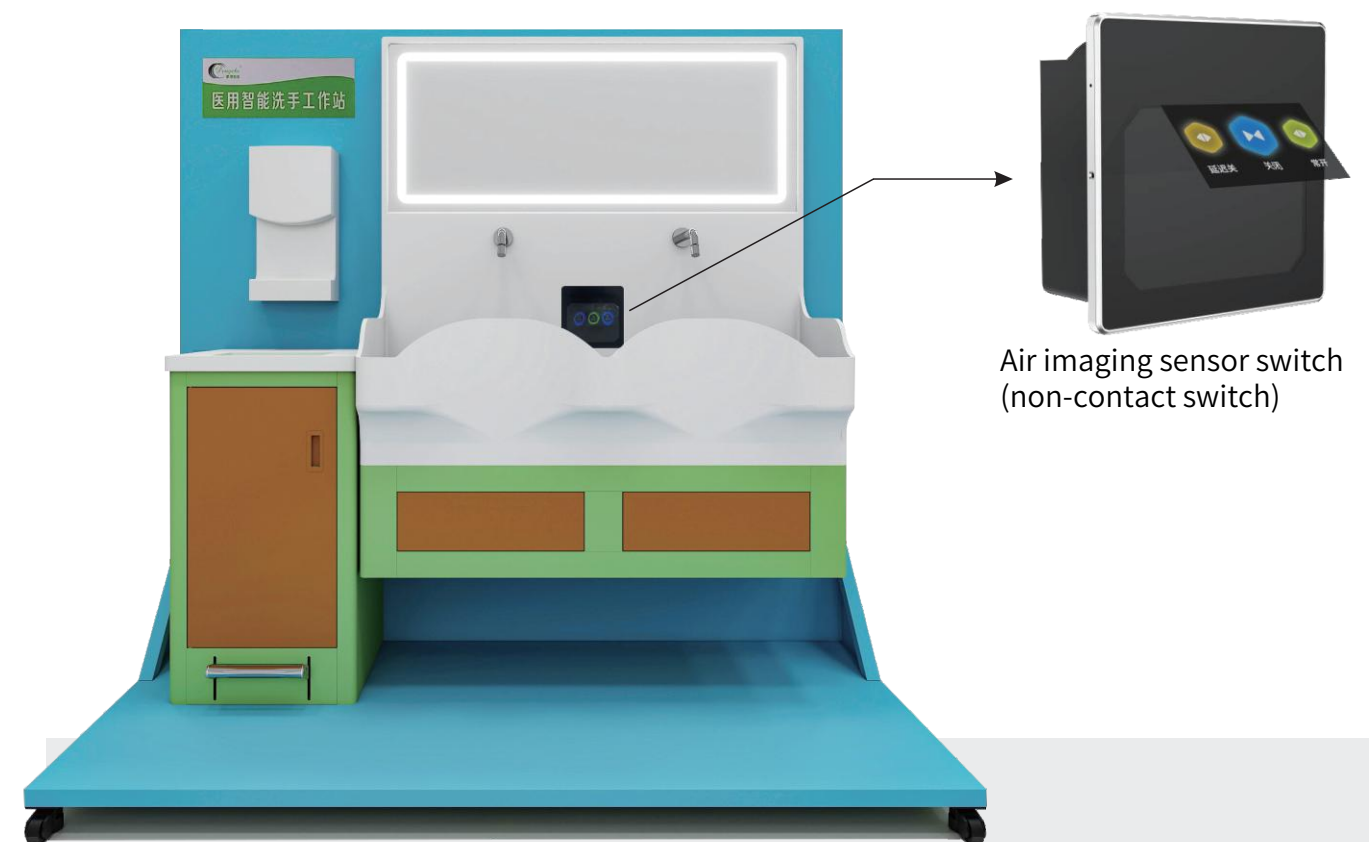
The housing is made of stainless steel, with a 304 stainless steel panel, stainless steel baked enamel, and electrolytic steel plate baked enamel; gases include oxygen, compressed air, carbon dioxide, nitrogen, and vacuum suction.

Medical Smart Hand Washing Station

The smart handwashing workstation includes a non-contact medical surgical basin with interactive aerial imaging technology, a stainless steel trash can, and a hand dryer.

Product Features

- 01 Equipped with non-contact medical surgical basin with interactive aerial imaging technology, enabling non-contact control of faucet switches.
- 02 Configure stainless steel trash cans with non-hand contact switches to ensure hand hygiene.
- 03 Install hand dryers after washing hands to dry hands promptly.



Air imaging sensor switch
(non-contact switch)

The medical handwashing basin uses “medium-free, interactive aerial suspension imaging” technology to control the water supply. It supports medical staff to directly operate the aerial image with their fingers, providing a good interactive experience. The imaging has high clarity, strong stability, and quick response.

Floor-standing stainless steel handwashing sink

The primary use of medical-grade stainless steel handwashing sinks is for surgical staff or cleanroom workers to wash and disinfect their hands.

Product Features

- 01 The pool body and bottom are made entirely of 304 stainless steel with seamless welding, eliminating any hygiene dead corners ;
- 02 Specially designed slope at the bottom of the pool, rounded edges all around, no water residue, no hygiene dead corners;
- 03 Water supply methods include hand sensor, body sensor, and knee control;
- 04 Optional constant temperature water heater, mirror light, 360-degree adjustable faucet, etc.

03 THREE PERSON STAINLESS STEEL HAND BRUSH SINK



Drawing number

PCXSC-03

Specifications

L 1950 × H 1900 × D 600

The pool body is made of 1.2mm thick 304 stainless steel with reinforced ribs on the back. The corners of the pool are rounded, and there are double doors at the bottom. You can choose a 360-degree adjustable faucet, thermostatic valve, water heater, and mirror light. The water supply method can be customized as needed.

01 SINGLE STAINLESS STEEL HAND BRUSH SINK



Drawing number

PCXSC-01

Specifications

L 800 × H 1900 × D 600

The pool body is made of 1.2mm thick 304 stainless steel with reinforced ribs on the back. The pool bottom has a specially designed slope with rounded edges and double doors at the bottom. Optional features include a 360-degree adjustable faucet, thermostatic valve, water heater, and mirror light. The water supply method can be customized as needed.

04 FOUR PERSON STAINLESS STEEL HAND BRUSH SINK



Drawing number

PCXSC-04

Specifications

L 2400 × H 1900 × D 600

The pool body is made of 1.2mm thick 304 stainless steel with reinforced ribs on the back. The corners of the pool are rounded, and there are double doors at the bottom. You can choose a 360-degree adjustable faucet, thermostatic valve, water heater, and mirror light. The water supply method can be customized as needed.

02 DOUBLE STAINLESS STEEL HAND BRUSH SINK



Drawing number

PCXSC-02

Norm

L 1500 × H 1900 × D 600

The pool body is made of 1.2mm thick 304 stainless steel with reinforced ribs on the back. The pool bottom has a specially designed slope with rounded edges and double doors at the bottom. Optional features include a 360-degree adjustable faucet, thermostatic valve, water heater, and mirror light. The water supply method can be customized as needed.

05 BAKED ENAMEL STAINLESS STEEL HAND BRUSH SINK



Drawing number

PCXSC-05

Specifications

L 2400 × H 1900 × D 600

The pool body is made of 1.2mm thick 304 stainless steel. The pool bottom and body can be customized with stainless steel paint, and the back is reinforced. The corners of the pool body are rounded, and there are double doors at the bottom. Optional features include a 360-degree adjustable faucet, thermostatic valve, water heater, and mirror light. The water supply method can be customized as needed.

Wall-mounted hand washing sink

The primary use of medical-grade stainless steel handwashing sinks is for surgical medical staff or cleanroom workers to wash and disinfect their hands.

Product Features

01 The pool body and bottom are made entirely of 304 stainless steel, with an optional stainless steel exterior paint finish.

02 The pool bottom features a specially designed slope with rounded edges around the perimeter to prevent water accumulation and eliminate hygiene dead corners.

03 The water barrier and pool corners feature a curved design;

04 Equipped with hanging brackets, the entire unit can be WALL MOUNTED;

05 Optional features include a constant-temperature water heater, mirror lights, and a 360-degree adjustable drain faucet;

01 DOUBLE WALL-MOUNTED BRUSH SINK

Drawing number

PCXKC-01

Specifications

L 1500 × H 1350 × D 600

The basin and cabinet are made of 1.2mm thick 304 stainless steel, and the cabinet can be finished with a stainless steel paint coating. The basin features a specially designed slope for smooth drainage, with rounded edges around the perimeter to eliminate any hygiene dead corners. The water supply system uses a knee-activated control panel design, eliminating the need for manual operation and enabling water to flow directly without contact.

03 THREE-PERSON WALL-MOUNTED BRUSH SINK

Drawing number

PCXKC-03

Specifications

L 1950 × H 1350 × D 600

The basin and cabinet are made of 1.2mm thick 304 stainless steel, and the cabinet can be finished with a stainless steel paint coating. The basin features a specially designed slope for smooth drainage, with rounded edges around the perimeter to eliminate hygiene dead corners. The water supply system uses a knee-activated control panel design, eliminating the need for manual operation and enabling water to flow directly without contact.

02 THREE-PERSON WALL-MOUNTED BRUSH SINK

Drawing number

PCXKC-02

Specifications

L 1500 × H 1350 × D 600

The basin and cabinet are made of 1.2mm thick 304 stainless steel, and the cabinet can be finished with a stainless steel paint coating. The basin features a specially designed slope for smooth drainage, with rounded edges around the perimeter to eliminate hygiene dead corners. The water supply system uses a knee-activated control panel design, eliminating the need for manual operation and enabling water to flow directly without contact.

04 DOUBLE ROOM WALL MOUNTED ACRYLIC BRUSH SINK

Drawing number

PCGBC-01

Specifications

L 1500 × H 1500 × D 600

The basin is made of DuPont acrylic, which is antibacterial, wear-resistant, and highly durable. The base is made of 304 stainless steel with a baked enamel finish. The shell-shaped design conforms to the human body, shortening the distance for washing hands. Water supply options include human sensing or hand sensing.

Acrylic hand washing sink

Mainly used by medical staff to clean and disinfect their hands before performing medical procedures to ensure a sterile operating environment.

Product Features

- 01 Made of DuPont Corian, it is molded as a single piece, is antibacterial and mildew-resistant, corrosion-resistant, easy to clean, and highly durable.
- 02 The S-shaped design allows the human body to be closer to the sink, achieving the optimal hand washing distance.
- 03 The acrylic handwashing basin base is made of 304 stainless steel with a baked enamel finish.
- 04 Optional accessories include mirror lights, constant temperature water heaters, and 360-degree adjustable faucets.



01 ACRYLIC DOUBLE-POSITION HAND BRUSH SINK

Drawing number
PCDBC-01

Specifications
L 1500 × H 1900 × D 600
The basin is made of DuPont acrylic with an ergonomic curved design to reduce the distance between the basin and the sink. The cabinet base is made of 304 stainless steel with a baked enamel finish and features double doors at the bottom. Optional features include a 360-degree adjustable faucet, a thermostatic water heater, and a mirror light. Water supply options include hand sensor and body sensor.

Shell-shaped hand washing sink

Mainly used by medical staff to clean and disinfect their hands before performing medical procedures to ensure a sterile operating environment.

Product Features

- 01 The basin is made of DuPont acrylic in one piece, which is antibacterial, mildew-proof, corrosion-resistant, easy to clean, and highly durable.
- 02 Equipped with a sensor-activated water supply system for contactless hand washing to prevent cross-contamination;
- 03 The shell-shaped handwashing basin is designed with ergonomics in mind, with curved edges that shorten the washing distance and a splash-proof structure.
- 04 Optional accessories include a mirror light, a constant-temperature water heater, and a 360-degree adjustable faucet;



01 DOUBLE-POSITION SHELL SCRUB SINK

Drawing number
PCBKC-01

Specifications
L 1500 × H 1900 × D 600
The basin is made of DuPont acrylic with an ergonomic curved design to reduce the distance between the basin and the sink. The cabinet base is made of 304 stainless steel with a baked enamel finish and features double doors at the bottom. Optional features include a 360-degree adjustable faucet, a thermostatic water heater, and a mirror light. Water supply options include hand sensor and body sensor.



02 THREE-POSITION SHELL SCRUB SINK

Drawing number
PCDBC-01

Specifications
L 1500 × H 1900 × D 600
The basin is made of DuPont acrylic with an ergonomic curved design to reduce the distance between the basin and the sink. The cabinet base is made of 304 stainless steel with a baked enamel finish and features double doors at the bottom. Optional features include a 360-degree adjustable faucet, a thermostatic water heater, and a mirror light. Water supply options include hand sensor and body sensor.



02 ACRYLIC THREE-POSITION HAND BRUSH SINK

Drawing number
PCDBC-02

Specifications
L 1950 × H 1900 × D 600
The basin is made of DuPont acrylic with an ergonomic curved design to reduce the distance between the basin and the sink. The cabinet base is made of 304 stainless steel with a baked enamel finish and features double doors at the bottom. Optional features include a 360-degree adjustable faucet, a thermostatic water heater, and a mirror light. Water supply options include hand sensor and body sensor.

Surgical Behavior Management System

The operating room behavior management system can establish a closed-loop management system for the distribution and collection of clothing in the operating room, as well as solve problems such as low management efficiency, poor standards, and low accuracy in traditional operating rooms.

Product Features

- 01 Establish a surgical safety access system to ensure the cleanliness of the operating room;
- 02 Standardize the behavior of surgical medical staff and track the use of surgical gowns and shoes;

- 03 Collect information on people, equipment, and items and manage them centrally.
- 04 Implement intelligent distribution and collection of surgical gowns and shoes, and automatic allocation of gown and shoe cabinets.
- 05 Support integration with hospital HIS systems, surgery scheduling systems, etc.



01 AUTOMATIC CLOTHING DISTRIBUTION EQUIPMENT

Drawing number

PCFYJ-01

Specifications

L 1650 × H 2100 × D 700

The clothing dispenser cabinet is constructed from 1.2mm thick electrolytic steel plates with a baked enamel finish and is equipped with a 21.5-inch LCD touch screen. It automatically dispenses clothing in the corresponding sizes based on the medical staff information collected by the system. A single unit can store up to 90 sets of clothing. Clothing can be retrieved using facial recognition, fingerprint verification, or an ID card.



02 AUTOMATIC SHOE DISTRIBUTION EQUIPMENT

Drawing number

PCFXJ-01

Specifications

L 1650 × H 2100 × D 700

The shoe dispensing machine cabinet is constructed from 1.2mm thick electrolytic steel plates with a baked enamel finish and is equipped with a 21.5-inch LCD touch screen. It automatically dispenses shoes of the corresponding size based on medical staff information collected by the system. A single unit can store up to 90 pairs of shoes. Shoes can be retrieved using facial recognition, fingerprint verification, or an ID card.



03 AUTOMATIC CLOTHING RECYCLING EQUIPMENT

Drawing number

PCHSJ-01

Specifications

L 1000 × H 1500 × D 700

The recycling cabinet is made of 1.2mm thick electrolytic steel plate with a baked enamel finish and is equipped with a 21.5-inch LCD touch screen. It uses RFID detection to identify clothing and shoes and return them to their owners, and supports functions such as prompting the number of items to be recycled, reminding users when the limit has been exceeded, automatically removing the borrower's information upon return, and recording returns.



04 INTELLIGENT LOCKER

Drawing number

PCHSJ-01

Specifications

Main unit: L 500 × H 1800 × D 450

Sub-cabinet: L 750 × H 1800 × D 450

The locker system consists of a main unit and multiple auxiliary cabinets. Each auxiliary locker is equipped with four doors. The locker body is made of 1.2mm thick electrolytic steel plate with a baked enamel finish, and features a 21.5-inch LCD touchscreen. It synchronizes in real-time the number of lockers in use, the remaining available lockers, automatically assigns lockers, and links them to healthcare staff information. After returning clothing, the system automatically unlocks the locker. Unlocking methods include card swiping, facial recognition, and fingerprint verification.



05 INTELLIGENT SHOE CABINET

Drawing number

PCGXG-01

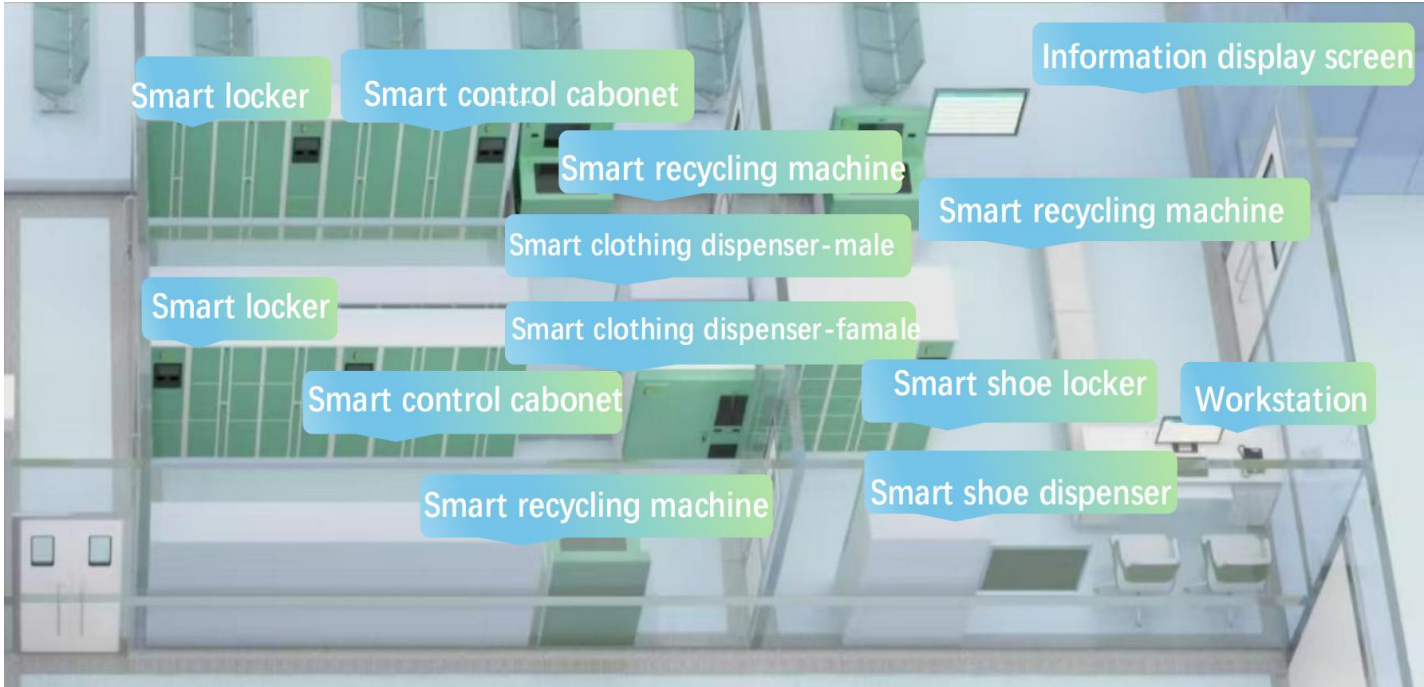
Specifications

Main unit: L 500 × H 1800 × D 400

Sub-cabinet: L 750 × H 1800 × D 400

The shoe storage cabinet consists of a main unit and multiple sub-cabinets. Each auxiliary shoe cabinet is equipped with sixteen doors; the cabinet body is made of 1.2mm thick electrolytic steel plate with a baked enamel finish, and features a 21.5-inch LCD touchscreen; it synchronizes in real-time the number of cabinets in use, the remaining available cabinets, automatically assigns cabinets, and links them to healthcare staff information; after shoes are returned, the system automatically unlocks the cabinets; unlocking methods include card swiping, facial recognition, and fingerprint verification;

Overall layout of the operating room behavior management system

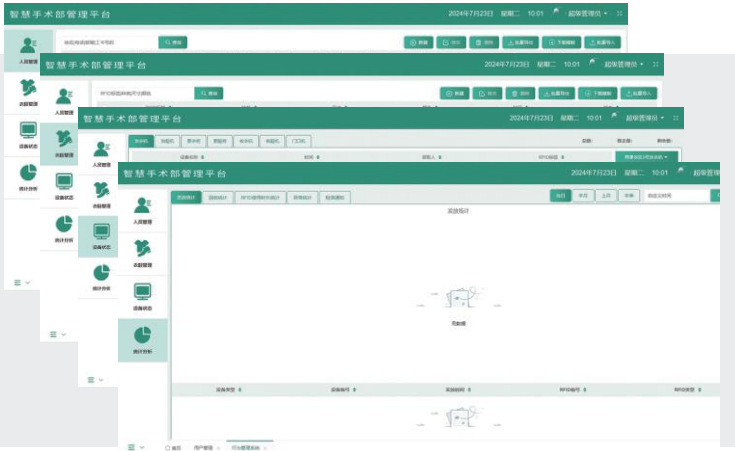


Comparison of the advantages of operating room behavior management systems

Project Comparison	conventional method	our project
Identity Verification	The personnel verification process is cumbersome	Self-service facial recognition, card swiping, and fingerprint verification for identity authentication
Personnel Control	Nurses are assigned to conduct verification, resulting in a heavy workload and low accuracy rates	Seamless integration with the hospital's HIS scheduling system to ensure accurate personnel control
Clothing and Shoe Cabinet Allocation	Lockers are occupied for extended periods, leading to uneven distribution and high vacancy rates	Sequential allocation based on proximity, with real-time monitoring of locker usage
Clothing and Shoe Distribution	Manual distribution is inefficient, slow, and prone to errors	Upon successful identity verification, corresponding sizes of clothing and shoes are automatically dispensed
Recycling Complexity	Items are returned haphazardly, resulting in inaccurate quantities	Strict adherence to return procedures, with fully automated intelligent recovery for precise and rapid processing
Work Efficiency	Human-to-human management is inefficient	Systems, processes, and equipment manage personnel operations for efficient workflow
Environmental Image	Clothing, pants, and shoes are randomly placed or discarded	Clean environment with no clutter accumulation
Behavior Tracking	Loss rates are extremely high, and items cannot be tracked	Both issuance and return automatically generate records, standardizing operational procedures
Operating Room Cleanliness	Secondary or tertiary contamination is likely to occur	Fully automated equipment for issuance and recovery, with clothing and shoes meeting cleanliness standards
Personnel Configuration	Additional staff are required to handle distribution tasks	Intelligent equipment operates automatically without the need for staff supervision

01 SOFTWARE BACKEND SYSTEM

User management, device management, item management, inventory records, log system, alarm system, parameter settings, and statistical reports.



03 RFID DATA COLLECTOR

Used for inventory management of surgical gowns and shoes, batch scanning of RFID tags on garments, reducing manual entry errors, and improving operational speed.



02 INFORMATION DISPLAY SCREEN

Equipped with a 55-inch screen, it displays the real-time operational status of the equipment, including the status of clothing, shoe collars, retrieval, return, storage, and information on personnel violations.



Overall construction

Drawings: Communication between manufacturers and hospitals, confirmation of drawings;
Hardware: Installation of hardware products within the scope of the contract;
Software: Debugging, installation, and training;

Free training program

Installation: After the equipment is installed and put into operation, our company's professional technical personnel will begin system training;
Hardware: Equipment usage methods, precautions, daily management, and simple troubleshooting;
Software: Management system backend usage instructions and operations;
Signature: After the training, the trainees will perform on-site operations, and after passing, the management personnel will sign to confirm;

free warranty

Warranty period: One-year warranty for the entire machine, with free software upgrades;
Free warranty period: Calculated after acceptance;
Maintenance report: A report detailing maintenance, adjustments, and repairs will be issued and signed by both parties for confirmation;
We will respond within 2 hours in working day and provide technical guidance online.