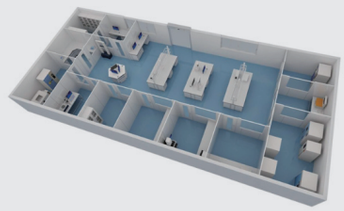
02 Cleanroom Products

Cleanroom Partition Wall System

The partition wall system is mainly used for cleanroom enclosure construction, effectively isolating functional areas and maintaining stable environmental parameters (air cleanliness, temperature, humidity, pressure) in cleanrooms. It provides compliant spaces for production, R&D and testing in pharmaceuticals, food, semiconductors, new energy and other industries.

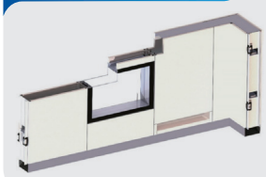
Center Aluminum Sandwich Panel Partition Wall Series MAX-CR-A



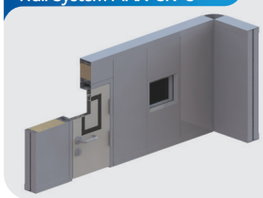
Center Aluminum Sandwich Panel Partition Wall Series MAX-CR-A



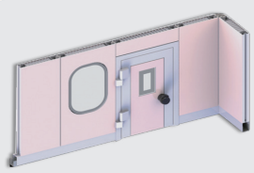
Hollow Spring Wall Series MAX-CR-B



Thermal Bridge-Free Partition Wall System MAX-CR-C



Melamine Resin Board Partition Wall System MAX-CR-D



Clean Color Steel Plate

High-quality surface materials offer chemical corrosion resistance, wear resistance and scratch resistance. Filled with heat-insulating and fire-resistant core materials, they feature energy conservation and fire resistance. They are mainly used in cleanrooms and controlled environments as the main material for cleanroom enclosures.

Scope of Application Suitable for walls and load-bearing suspended ceilings in cleanrooms for electronics, semiconductors, food and pharmaceuticals, laboratories, etc.

Glass-Magnesium Rock Wool Sandwich Panel



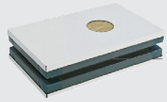
Glass-Magnesium Aluminum Honeycomb Sandwich Panel



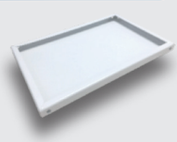
Color Steel Plate Blind Panel



Thermal Bridge Prevention Color Steel Plate



Baking Paint Steel Plate Blind Panel

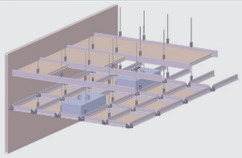


Cleanroom Ceiling System

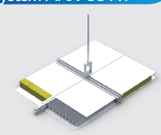
The cleanroom ceiling system is used for cleanroom top enclosures, effectively isolating cleanrooms from the outside and preventing dust, microorganisms and other contaminants from entering. It provides stable airflow distribution and temperature control to ensure compliance of cleanroom environmental parameters.

Scope of Application Widely applied in industrial fields including pharmaceutical-food Healthcare and Wellness, semiconductors & pan-semiconductors, new energy, new displays, and life sciences.

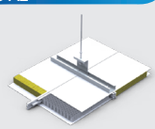
Center Aluminum Suspension Beam Concealed Keel Ceiling System MAX-CC-A1



Center Aluminum Suspension Beam Concealed Keel Ceiling System MAX-CC-A1



C-shaped Suspension Beam Concealed Keel Ceiling System MAX-CC-A2



Exposed Keel Ceiling System MAX-CC-B

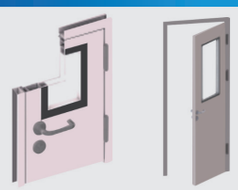


Cleanroom Door and Window System

The cleanroom door and window system is used for cleanroom entrances, exits and observation windows, ensuring effective isolation from the outside and preventing dust, microorganisms and other contaminants from entering. Its ergonomic design facilitates personnel access and operation.

Scope of Application Widely applied in industrial fields including pharmaceutical-food Healthcare and Wellness, semiconductors & pan-semiconductors, new energy, new displays, and life sciences.

Cleanroom Door and Window System



Color Steel Plate Door Series



Baking Paint Steel Door Series



Melamine Resin Door



Door and Window Series (clean doors, clean windows, fire doors, fire windows, thermal break aluminum doors/windows, sliding doors)

feature unique structure, overall aesthetics and product diversity. They are mainly used for access passages in cleanrooms and industrial plants, with sound and thermal insulation properties.

Scope of Application Suitable for electronics, semiconductors, food and pharmaceuticals, new energy, life sciences and other industries, and used as components of cleanrooms, plants and public buildings.

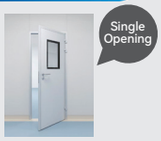
Clean Door - Sliding Door 1



Clean Door - Sliding Door 2



Clean Door - Aluminum Alloy Color Steel Plate Door



Clean Door - Aluminum Alloy Color Steel Plate Door



Clean Door - Steel Door







Volume control damper

The damper body, damper blades and shaft of the air volume control damper are made of 304 stainless steel (priority) to adapt to harsh environments. Variable air volume dampers and constant air volume dampers have a control accuracy of ±10%, using international first-tier control modules and actuators to maintain stable and fast air volume; optional actuators, sensors and communication functions are available.

Scope of Application

Widely used in biopharmaceuticals, biosafety, animal experiments, physicochemical experiments and other high-risk environments



Laminar flow hood

Laminar flow hoods create highly clean local areas. By providing sterile air, they effectively reduce infection risks, prevent microbial and particulate contamination, and ensure worker safety. They can be used individually for local high-cleanliness needs or in combination to form strip-shaped clean areas for large-scale production.

Scope of Application

Widely used in electronics, medicine, national defense, technology, bioengineering, food processing and other fields



Self-purification pass box

The self-cleaning pass-through window is equipped with an internal HEPA filter and fan, forming a self-circulating air purification system. This system effectively purifies items placed inside the pass-box, ensuring they meet the required cleanliness standards before entering high-cleanliness areas.

Scope of Application

Suitable for biopharmaceuticals, research institutions, CDC, large hospitals, food processing, electronics industry and places requiring biological cleanliness and air purification;

Self-Cleaning Pass Box



Corner Pass Box



Venturi Valve

The Venturi valve is a fast, high-precision air volume control device. Suitable for places requiring precise and rapid air volume control, it adjusts the valve core position quickly and stably through an internal pressure response mechanism to maintain constant air volume when pipeline pressure fluctuates.

Scope of Application

Suitable for CDC, physicochemical laboratories, data centers, high-level biosafety laboratories, animal facilities, universities and hospitals.



Pure Water Treatment System

Pure water treatment system equipment provides customers with full-process solutions from raw water treatment to ultrapure water production. It meets customers' demand for high-purity water in production and ensures production stability and product quality.

Scope of Application

Mainly used in high-precision manufacturing industries such as semiconductors, LCD panels, chip manufacturing, pharmaceuticals and food.

Carbon Steel Lined Tank



Stainless Steel Tank



Wastewater Treatment Reaction Tank



Fluoride-Removal Crystallization Unit

The fluoride-containing wastewater induced crystallization defluorination equipment targets fluoride-containing wastewater of different concentrations in electronics industries (semiconductors, photovoltaics, panels). It uses an induced crystallization fluidized bed process to effectively treat fluoride-containing wastewater in the range of 200~5000mg/L, with effluent concentration stably <20mg/L. It produces fluorite with a purity of over 85% for resource utilization as a chemical raw material.

Scope of Application

Suitable for resource recovery or reduction of fluoride-containing wastewater. It can replace the first and second-stage chemical mixing defluorination processes in photovoltaic plants, or the first-stage chemical mixing defluorination process in semiconductor and photovoltaic plants.

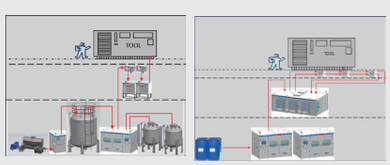


Chemical and Slurry Supply System

Chemical and slurry supply system equipment meets high-precision and high-purity supply requirements of chemicals or slurries. It solves practical problems of high-purity chemical cleaning, etching and high-precision surface polishing in chip manufacturing and LCD panel production. Mainly used in high-end manufacturing (semiconductors, electronics, display technology) to provide high-purity wet chemicals and slurries for process equipment.

Scope of Application Suitable for high-end manufacturing industries such as semiconductors, electronics, display technology and new energy.

Chemical and Slurry Supply System Equipment



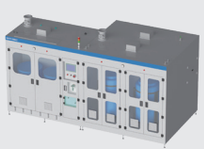
Tank Truck Docking Platform



Chemical Supply Cabinet



Chemical Mixing Cabinet



Gas Supply System

Gas supply systems provide customers with safe, reliable and stable-quality delivery systems for compressed air, nitrogen, carbon dioxide, inert gases, toxic and corrosive gases, flammable and pyrophoric gases, oxidizing gases, liquid source gases and mixed gases.

Scope of Application According to power and process requirements, it provides supply solutions and system integration services matching usage and quality needs.

Conventional Facility Specialty Gas Supply Equipment



Ethernet Temperature and Humidity Sensor

The Ethernet temperature and humidity sensor is a new-generation collection terminal. Based on Ethernet transmission, it integrates temperature and humidity measurement, digital signal input and 485 signal input. It supports multiple network communication protocols for easy development, dual power supply for convenient on-site wiring, and web-based parameter configuration with rich interfaces to connect more on-site devices.

Scope of Application

Suitable for computer rooms, data centers, distribution rooms, warehouses, archives, classrooms, ammunition depots and other departments.

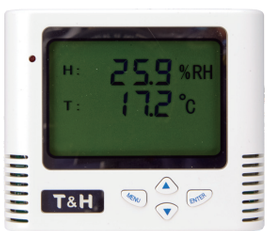


Intelligent Temperature and Humidity Sensor

Smart temperature and humidity sensors use imported probes for measurement. They are widely used in computer rooms, factory workshops, library and archive rooms, laboratories and other places requiring temperature and humidity measurement and control.

Scope of Application

Suitable for computer rooms, data centers, distribution rooms, warehouses, archives, classrooms, ammunition depots and other places.



Smart Manhole Cover Sensor

Smart manhole cover sensors are installed inside manhole covers to monitor abnormal movement, displacement or liquid level in manholes. They use high-precision gyroscopes to monitor manhole cover movement and wirelessly transmit data to monitoring systems or smart devices via cellular networks.

Scope of Application

Suitable for scenarios including municipal management, water and drainage systems, power and communication networks, gas and heating networks, traffic management, industrial parks and factories, community and property management, public safety and security.



BeiDou Deformation Monitor

The BeiDou deformation monitor features an integrated design with onboard inertial navigation, temperature monitoring, rich interfaces, wired/wireless communication, large-capacity SD storage and offline data transmission. Its accuracy reaches 2mm (horizontal) and ±3mm (elevation), leading in China.

Scope of Application

Suitable for fields including geological disaster monitoring, bridge health monitoring, dam and reservoir safety monitoring, subway and tunnel construction safety, railway and high-speed rail track monitoring, open-pit mining and tailings pond monitoring, etc.

