

VIJAY ENGINEERING TECHNOLOGIES

METAL FACADE

METAL ROOF

CLEANROOM SYSTEM

COLD STORAGE SYSTEM

STEEL STRUCTURE



CLEANROOM SYSTEM

VIJAY ENGINEERING TECHNOLOGIES
VIJAY ENGINEERING CLEAN TECHNOLOGY

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CONTENTS

VET CLEANROOM SYSTEM	02
CUSTOMER BENEFITS	04
BIOLOGICAL CLEANROOM SYSTEM	06
INDUSTRIAL CLEANROOM SYSTEM	08
CLEANROOM PANEL	10
REMOVABLE PANEL	14
ANTI-COLD BRIDGE CARRIER	15
ONE-PIECE CORNER PANEL	15
RETURN AIR WALL	16
ENDURE® CLEANROOM PANEL	17
COLD STORAGE PANEL	18
CLEANROOM DOOR	20
MASTER SERIES CLEANROOM DOOR	22
HIDDEN FRAME DOOR	23
MEDICAL DOOR	24
STEEL SWING DOOR FOR WARD	25
CLINIC DOORS / OFFICE DOORS / TOILET DOORS	26
CLEANROOM WINDOW	28
MASTER SERIES CLEANROOM WINDOW	29
DISPLAY WINDOW	29
ACCESSORY PRODUCTS	30
PASS BOX	30
LAMINAR FLOW HOOD	31
HEPA BOX	32
LED LIGHT	33
OUR PARTNERS	34
PROFESSIONAL SERVICE	39
AIR CLEANLINESS CLASS	40

VET CLEANROOM SYSTEM



Cleanroom technology effectively controls particulates, harmful air, bacteria and other pollutants according to client requirements, while meeting the needs for precision, miniaturization, high purity, high quality and high reliability in product processing and experimental research, so it is widely applied in the biomedical, fine chemical, aerospace, food processing and other industries. VET has been leading the industry in cleanroom enclosure system design, material technology and manufacturing processes, and provides professional clients with unique total cleanroom solutions.



CUSTOMER BENEFITS



Best-in-class Product Design

First based on a deep understanding and accurate grasp of client needs, an excellent product is, created through scientific and innovative design. In view of this, VET cleanroom enclosure products attach great importance to the optimized design of main and auxiliary materials, as well as panel and system structures, with 4 number of patented technologies. The high standard design scheme ensures the excellent functional characteristics and appearance quality of the product, fully reflects the product concept of standardization, modular construction and integrated solution, which better satisfies the personalized needs of the client and meets the challenges of harsh cleanroom engineering.



Original Manufacturing Process

The world's first fully automated production line for cleanroom panel, which is different from the traditional manual production, is independently designed and developed by VET who possesses full intellectual property rights. Compared with the traditional manual production, the automated production line improves production efficiency by 6-8 times, and at the same time, the automated non-standard Panel production line developed by VET solves the problems of unstable quality and insufficient flexibility of production capacity associated with the traditional manual production. The processes of steel sheet forming, gluing, core material filling, composite pressing and finished product palletizing are realized through precise measurement and intelligent control, making the accuracy, strength, flatness and aesthetics of cleanroom panels extremely greatly improved, and product quality more stable. "Technology allows every cleanroom panel the same quality."



TO BE THE MOST TRUSTWORTHY ENTERPRISE IN THE CLEANROOM SYSTEM FEILD



Rich Industry Experience

For more than 40 years, VET Group has been committed to the application of metal enclosure products, providing more than 150 million square meters of various construction enclosure products for thousands of engineering projects. In the field of cleanroom engineering, VET focuses on semiconductor, optoelectronics, biomedical, food processing and other industries. It has participated in the construction of hundreds of cleanroom engineering projects of well-known domestic and foreign enterprises, and has thus accumulated rich product application technologies and project operation experience. A highly qualified professional technical and management team is the strongest guarantee for VET to create customer value and deliver on quality commitments.

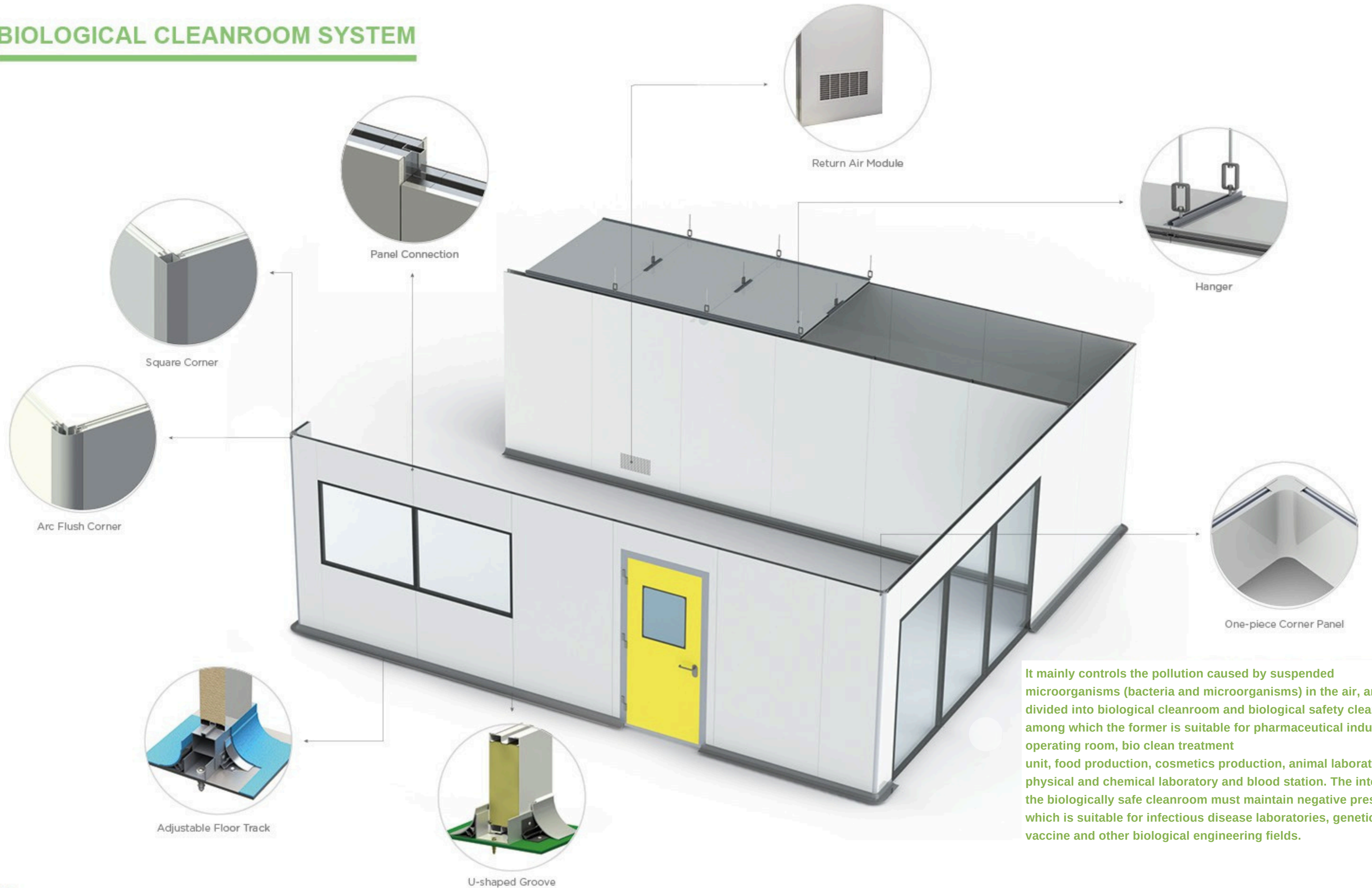


Efficient Service System

VET develops an intelligent delivery system to provide the client with total solutions for specialized cleanroom enclosures, as well as comprehensive and integrated services, including intelligent design, needs analysis, solution construction, quotation, production order, delivery, construction guidance, and routine maintenance services. With 4 subsidiaries, 13 offices and more than 100 business and technical personnel across the country, it is able to provide the client with timely and face-to-face services. An information management system covering the entire business process helps the client realize automation and intelligent development, and allows customer service to be more standardized and efficient. It's VET commitment that "tell us what you want, and leave the rest to us!"

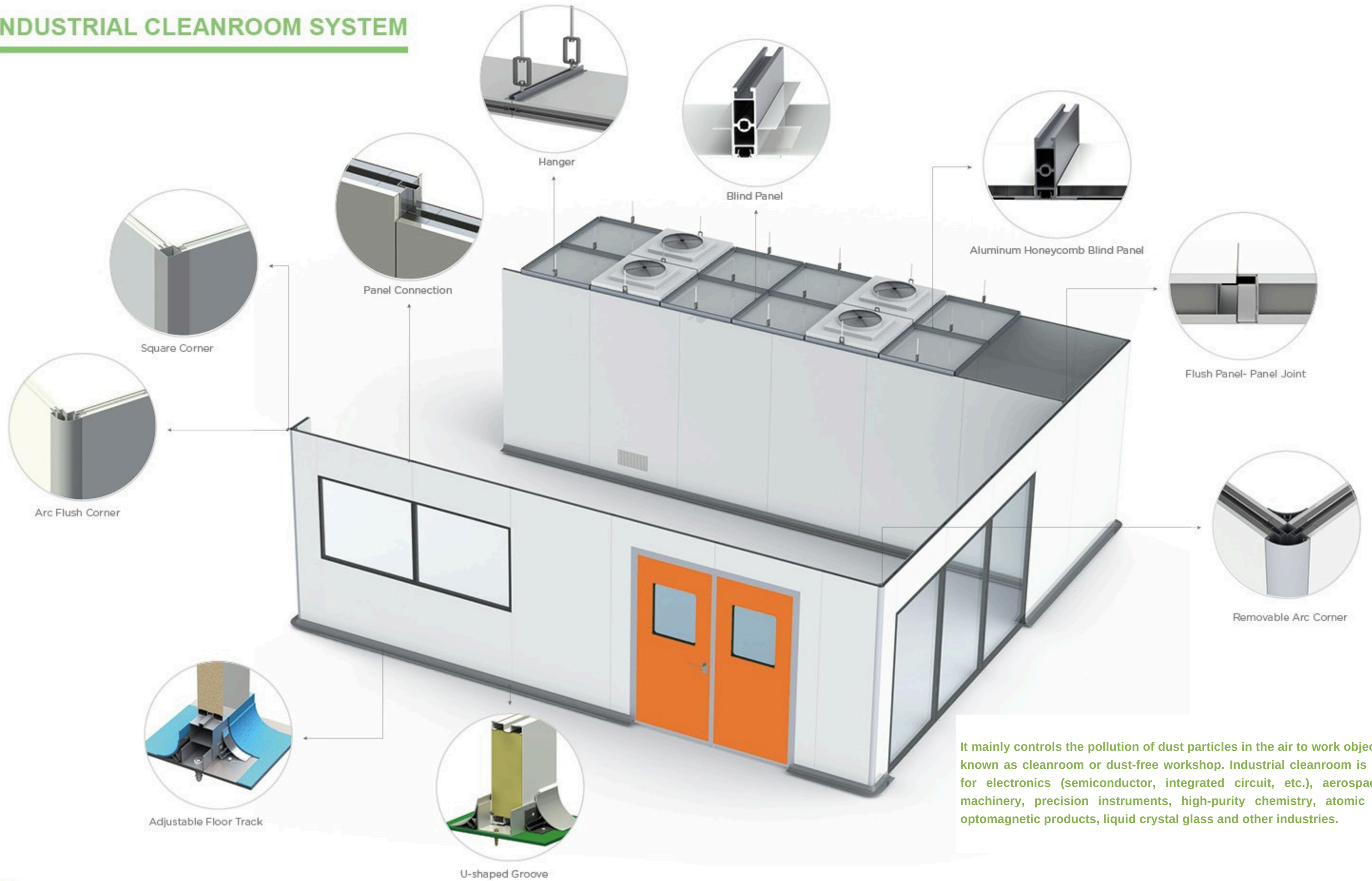


BIOLOGICAL CLEANROOM SYSTEM



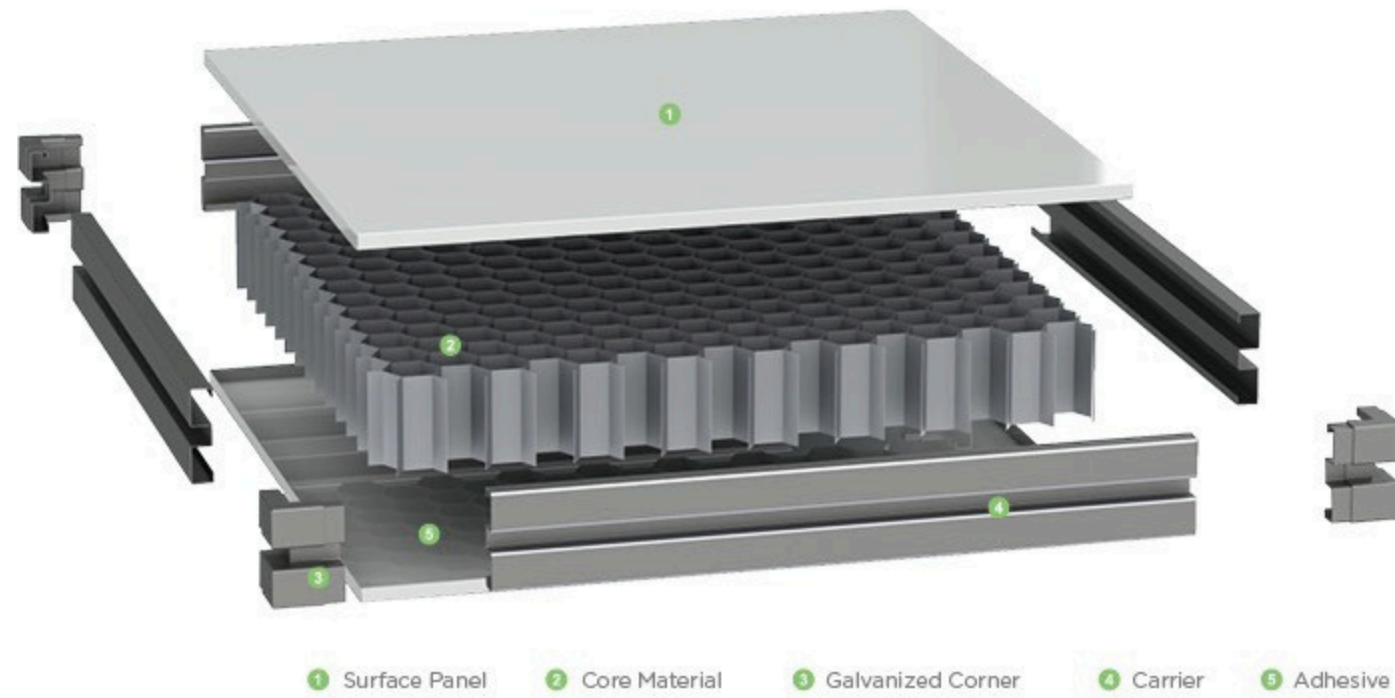
It mainly controls the pollution caused by suspended microorganisms (bacteria and microorganisms) in the air, and is divided into biological cleanroom and biological safety cleanroom, among which the former is suitable for pharmaceutical industry, operating room, bio clean treatment unit, food production, cosmetics production, animal laboratory, physical and chemical laboratory and blood station. The interior of the biologically safe cleanroom must maintain negative pressure, which is suitable for infectious disease laboratories, genetics, vaccine and other biological engineering fields.

INDUSTRIAL CLEANROOM SYSTEM



It mainly controls the pollution of dust particles in the air to work objects, also known as cleanroom or dust-free workshop. Industrial cleanroom is suitable for electronics (semiconductor, integrated circuit, etc.), aerospace, fine machinery, precision instruments, high-purity chemistry, atomic energy, optomagnetic products, liquid crystal glass and other industries.

CLEANROOM PANEL



VET cleanroom panel adopts special color coated steel, aluminum alloy and other materials on the surface panel, while the core is composed of rock wool, glass magnesium panel and aluminum honeycomb, among other materials. The

product boasts an excellent performance and is suitable for all kinds of cleanroom projects with rigorous indoor environment requirements as an ideal product for cleanroom enclosure.



Aesthetic Appearance

Smooth & Flat Surface
Fine Structure



Excellent Performance

Dust-free
Anti-static
Sound Absorption
Sound Insulation
Fire Resistance



Factory Prefabrication

Standardized Production
Modular Construction



Customer Customization

System improvement
Flexibility in application



Handmade Panel

- The zigzag galvanized steel carrier is pre-buried on the four sides as the edge bandings in order to enhance the strength and airtightness of the panel.
- The wall panel adopts the handmade aluminum profile for connection, easy to install,
- The four sides of the ceiling panel adopt heavy, mid-set suspension beam to increase the strength.

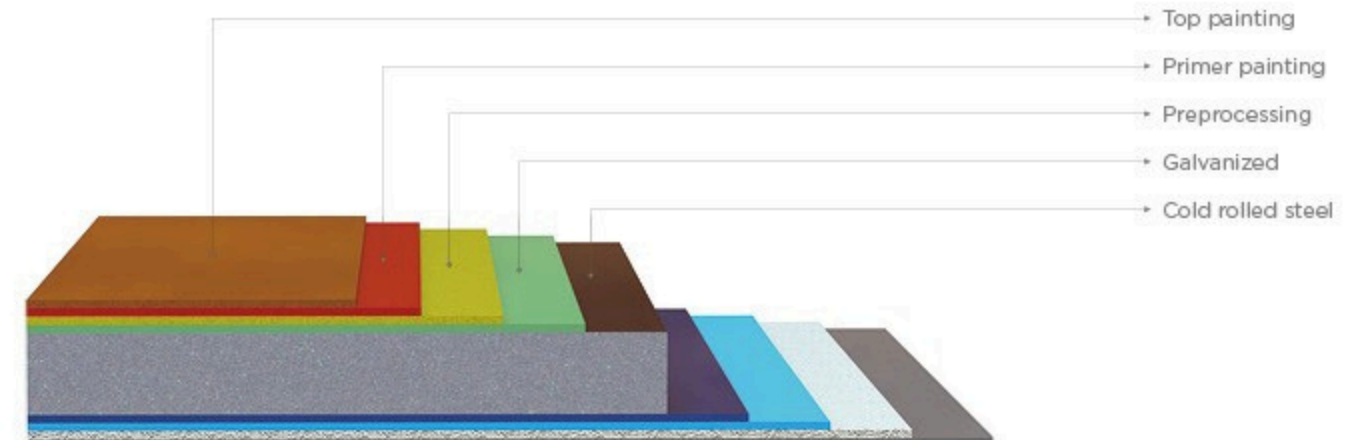


HPL Cleanroom Panel

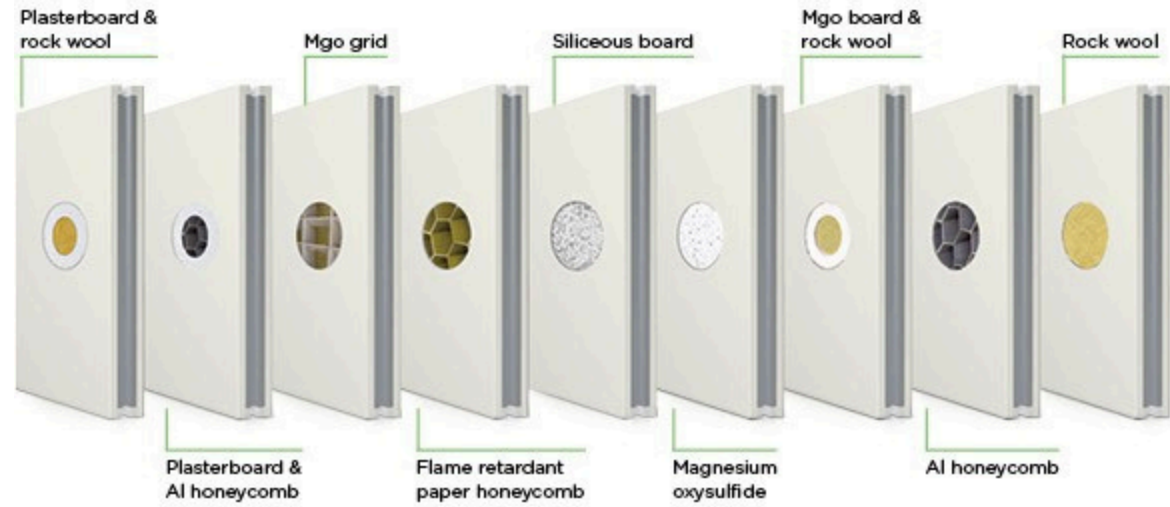
- Colorful and decorative
- Wear-resistant surface, durable
- Strongly fire resistant as a Class A non-combustible material

Items	Specifications
Width	Handmade Panel: 980/1,180mm HPL Cleanroom Panel: 1,220/1,525mm
Length	Wall Panel: 100-9,000mm, Ceiling Panel: 100-3,500mm HPL Panel: 2,440/3,050mm
Thickness	Wall Panel: 50/75/100/150mm HPL Panel: 50mm
Steel Thickness	Handmade Panel: 0.4-0.8mm HPL Cleanroom Panel: 3/4mm
Steel	PPGI, PPAL, SS Steel, Zinc-titanium Alloy, HPL
Painting	Handmade Panel: PE, PVDF, HDP

Note: Non-standard custom specifications are available upon request.



CLEANROOM PANEL



Items	Width	Core density	Soundproof	Live load	Waterproof	Fireproof
Rockwool	15-16kg/m ²	100-120kg/m ²	25dB	1.1kN/m ²	≥ 98%	30min
Magnesium Rockwool	17-23kg/m ²	-	30dB	1.25kN/m ²	-	60min
Aluminum Honeycomb	10-15kg/m ²	-	18dB	1.0kN/m ²	-	41min

Note: The panel weight is calculated according to 50mm TCK.

SGS



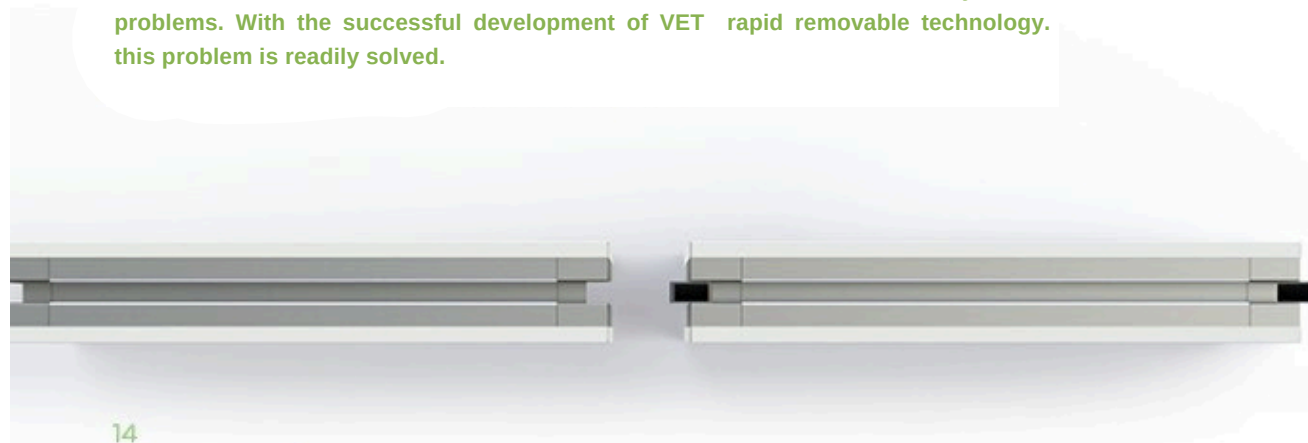
Cleanroom Panel Production Line

VET self-developed continuous production system for cleanroom panel is on a par with the international advanced level, which includes roll forming system, automated cotton renewal system, automated glue spray system, dual track setting and temperature control system, robot palletizing system, control system, etc. The system features a high degree of automation, fast processing efficiency, and stable product quality. With a maximum production capacity of up to 2 million square meters per year, it can produce cleanroom panels of varied cores. As a 2016 major RED project of Shandong Province the continuous cleanroom panel production system was successfully inspected and accepted in 2018 by the expert Panel that recognized it as the achievement on international advanced level.



REMOVABLE PANEL

Partial damage inevitably occurs and needs to be replaced or repaired during the construction and application of the cleanroom panel. And, because of processing equipment changes or cleanroom layout adjustment, it is necessary to remove part of the walls. However, traditional cleanroom panels are difficult to be partially disassembled, the constructor and the end user are often bothered by these problems. With the successful development of VET rapid removable technology, this problem is readily solved.



ANTI-COLD BRIDGE CARRIER

The four sides of the cleanroom panel are composed of steel carriers and corners. In low temperature clean processing workshops or cold seasons, condensation is prone to occur at the edge. To this end, the broken bridge and thermal insulation carriers invented by VET provide a perfect solution to this problem, improve the overall thermal insulation performance of the cleanroom, extend the service life of the panel, and reduce the cost of panel replacement.



ONE-PIECE CORNER PANEL

The one-piece corner panel is a patented product of VET. Different from the traditional corner splicing approach, the one-piece corner panel is an integrated one that makes the corner zones flat and smooth, without transition joints, the joint is tighter, air leakage and seam dust accumulation are eliminated, and it is convenient for cleaning and disinfection. The one-piece corner panel is specially insulated to effectively avoid the thermal bridge effect common for traditional corners. Combined with VET patented removable technology, the one-piece corner panel can be removed individually, which is convenient and flexible for routine maintenance.



RETURN AIR WALL

When the traditional return air column is applied, it takes up a lot of space and is unaesthetic. To solve these problems, VET has invented the 100mm hollow return air wall panel, which can replace the return air column and 100mm hollow dome walls in the buffer room for dressing and shoe changing. The average return air volume reaches up to 500m³/h, which greatly improves the application scope of cleanroom spaces. The return air module is prefabricated in the factory, allowing for direct onsite installation, which is more convenient and faster.

ENDURE® CLEANROOM PANEL

Endure® is mainly applicable to cleanroom enclosure structures in Endure® Scratch & VHP Resistant Steel Sheet the Class B cleanroom areas, such as those of biological products and blood products, where VHP sterilization, panel sterilization and bromogeramine wiping are performed. As a special steel panel for the pharmaceutical industry, its unique features include excellent weather resistance, excellent mechanical properties, ductility, corrosion resistance to many chemicals, solvents and colorants, stain resistance, easy cleaning and excellent fire resistance, not only safe, but also environmentally friendly.

Endure® Scratch & VHP Resistant Steel Sheet



30% H₂O₂ Resistance Testing

The sample was immersed in the 30% H₂O₂ solution with the mouth of the beaker sealed, and the surface state was observed.

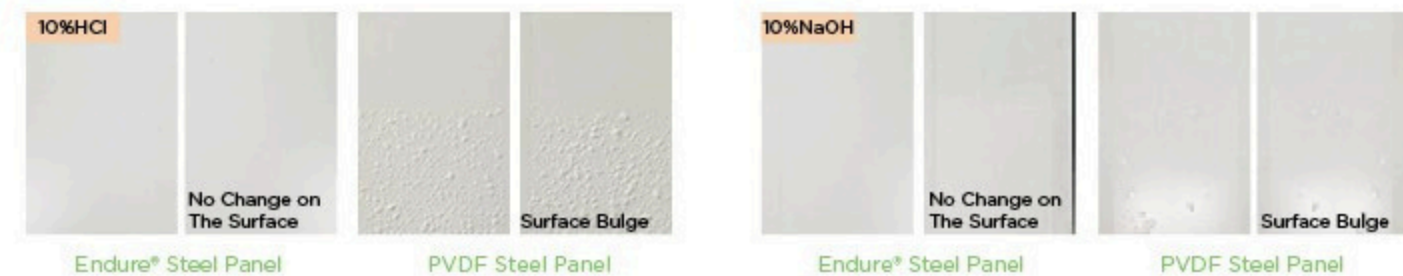


Test Results:

1. Soaked in 30% H₂O₂ solution at room temperature for 432h, there is no obvious change on the surface.
2. Among them, in the H₂O₂ titration experiment, the resistance of Endure® is 7.2 times that of PVDF.

10% HCl and 10% NaOH Resistance Testing

The samples were immersed in 10% HCl and 10% NaOH solution, and their surface conditions were observed.

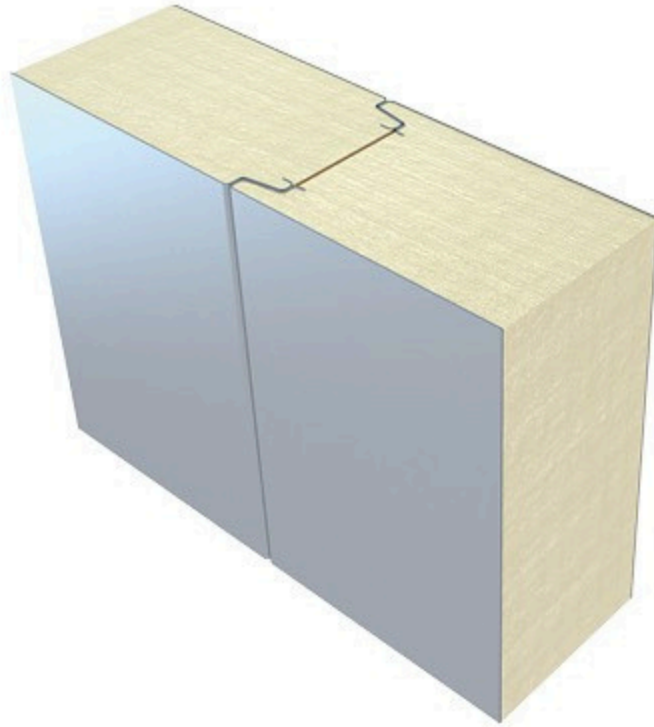


Test Results:

1. Soaked in 10% HCl solution at room temperature for 1208h, Endure® shows no evident change on the surface.
2. There was no evident change in the surface of Endure® when soaked in 10% NaOH for 1208h at room temperature.

This data was provided by the Wiskind Lab.

COLD STORAGE PANEL



Items	Specifications	
PU Specifications	Width	930mm
	Thickness	PU/PIR: 40-300mm Rockwool + PU: 40-200mm
	Length	≤ 26m
Steel Specifications	Material	Color Coated Steel Plate, 304/316 SS
	Thickness	0.4-0.8mm
	Coating	PE, PVDF, HDP, SMP
PU	Fireproof	B1 (Oxygen Index ≥ 30%)
	Closed Cell Ratio	≥ 90%
	Water Absorption	≤ 3%
	Thermal Conductivity	0.018-0.024w/(m*k)
	Heat Resistant Range	-185°C → +110°C

Note: The adhesive we choose is SGS certified and totally meets the environmental standard specified by EN71 Part 3.

Cold Storage Panel Production Line

The cutting-edge equipment and technologies introduced from OMS, Italy feature dual ultra-long tracks of up to 42 meters, the longest in the country, which offer sufficient curing time for PU foaming, and considerably improve the bonding and forming properties of the panels. The equipment is able to turn out ultra-thick (as thick as 300mm) cold storage panels, so as to meet the client's special needs for low temperature environment. The advanced PU foaming process avoids the original FT1 and 141B foaming agents, which not only ensures better foaming quality, but also truly realizes zero emissions of fluoride during the production process.



CLEANROOM DOOR



Cleanroom door is divided into four product series according to material: steel door, stainless steel door, color steel door, and melamine resin door. The core is generally made of high-quality flame-retardant paper honeycomb or aluminum honeycomb in order to ensure the strength and flatness of the cleanroom door.

- Hinge: resistant to acid and alkali disinfection, long-term high-frequency use, door leaf does not sag, convenient field installation and adjustment.
- Lock: the entire lock service life reaches up to 200,000 times, and the overall appearance parts have passed the 96-hour neutral salt spray test.
- Window on the door: double-layer ultra-white tempered glass, three-layer sealing, patented carrier design, built-in 3A molecular sieve to prevent internal fogging.
- Door seal: the door body adopts German production technology on three sides, and imported polyurethane adhesive is foamed on site, which boasts an excellent sealing performance.

Items	Configuration	
Specifications	900*2,100mm/1,100*2,100mm	
	1,200*2,100mm/1,500*2,100mm	
Thickness	50/75/100mm	
Material	Color Steel Door	Aluminum door frame, painted steel door panel
	Steel Door	Painted steel door frame, painted steel door panel
	HPL Cleanroom Door	Aluminum Alloy, HPL
	Stainless Steel Door	304 Stainless steel door frames and door panels
Accessories	Window	Single / double glass and right angled / round corners are available
	Door Closer	Open, Hidden, Specified
	Door Lock	Handle lock, electromagnetic lock, electric plug lock, passage lock, push handle
	Hinge	304 stainless steel hinge, aluminum alloy hinge
	Floor Brush Seal	Hidden lifting floor brush seal

Note: Non-standard custom specifications are available upon client request.



Aluminum Cleanroom Door

- The door frame and door leaf are made of aluminum alloy through cutting and stitching.
- The door leaf surface material is composed of color steel plate or HPL, nonporous, dust-free and easy to clean.
- HPL is resistant to bacteria and abrasion, and can withstand frequent disinfection treatment in pharmaceutical factories.

Steel Cleanroom Door

- High-quality galvanized steel is made by bending and connected welding.
- Surface electrostatic resin powder coating, flat and smooth.
- The core material adopts flame-retardant paper honeycomb or aluminum honeycomb, which is light and structurally strong.

MASTER SERIES CLEANROOM DOOR

• Rugged construction and durability

The Master door first adopts special reinforced hinge and lock body fasteners, changes the traditional point connection to multi-contact and surface connection, allowing the door body connection to be more uniform and stronger. Second, it adopts a special reinforcement structure around the door leaf. Hinge reinforcement fixings and lock body fixings, etc. form an entirety that bears stress as a whole.



Rugged construction and durability

Over 300,000 door opening and closing fatigue tests.

• Double seal, more reliable

The door leaf and frame are separately provided with a sealing strip, forming a double-layer seal that is more reliable. According to testing by the National Center for Quality Supervision and Test of Engineering Building, the positive and negative wind pressure ratings reach level 6, thus more suitable for some doors with stricter sealing requirements.



Double seal, more reliable

The positive and negative wind pressure ratings reach level 6 (GB/T 20909-2017).

• Full life-cycle services

The quality of the door hardware has a direct effect on the use of the door. The Master door lock uses custom German GEZE locks, which have undergone 500,000 opening and closing experiments. The door comes with a 2-year warranty and free lifetime maintenance.

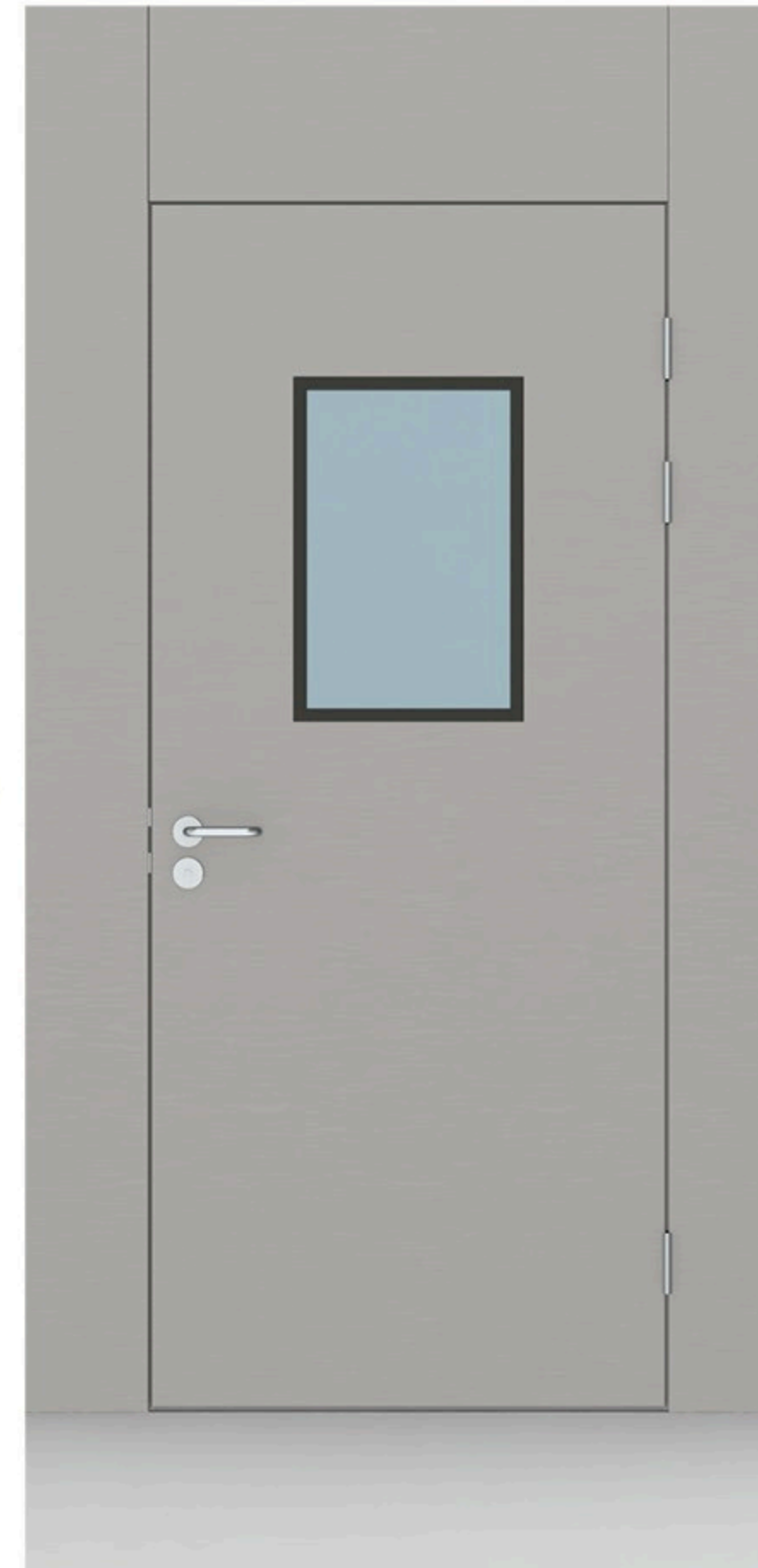


Full life-cycle services

The Master door lock uses custom German GEZE locks, which have undergone 500,000 opening and closing experiments.

HIDDEN FRAME DOOR

The Screws at uppermost fixing point of hinge side door frame loosen after opening and closing for a period of time. after analysis, it is found that the self-tapping screws are liable to cause wire slip under reciprocating dynamic loads, which is also common phenomenon in construction, and it cannot be handled at all once the slip wire occurs. the problem is perfectly solved by the clean and hidden frame door developed by VET. the Hidden Frame door is embedded in the panel during production to form an integral connection, so there is not any issue with door frame fixing. with the use of the Master door, while the overall strength is enhanced, the passage size can be larger with a more aesthetic look.



MEDICAL DOOR

With VET medical environment steel door solution, the surface of the door body is treated with a special antibacterial coating, which is more suitable for use in the medical system environment. A Variety of Psychological color schemes for the door body are available to respond to each dept., not only beautiful and elegant, but also improving the overall comfort of the medical environment.



STEEL SWING DOOR FOR WARD

Product Features

- Optional motor and induction device to achieve automatic opening and closing.
- The door frame adopts a unique single or double slot integrated airtight door frame structure to meet the different needs of various environments.
- The steel door is made of environmentally friendly galvanized steel, with a polyester coating on the surface, which is resistant to pollution and green, and features heat preservation, sound insulation, moisture resistance, microorganism resistance and easy cleaning.
- Single stitching on the edge of the door leaf to reduce the breeding of bacteria. There are a variety of materials to choose from, such as galvanized steel, stainless steel, and glass windows of different sizes can be added to meet different medical needs.

Items	Specifications
Open Method	Swing
Door Frame Steel Thickness	1.2-1.5mm
Door Leaf Steel Thickness	0.8/1.0mm
Door Leaf Glass Thickness	6.0/8.0mm
Door Leaf Thickness	40mm
Core	Flame-retardant Paper Honeycomb, Aluminum Honeycomb
Window	Right-angled and rounded corners are available
Accessories	Aluminum vents, electronic door operator, shutters, double glass shutters, etc.

Note: Non-standard custom specifications are available upon request.



CLINIC DOORS / OFFICE DOORS / TOILET DOORS



Items	Specifications
Open Method	Swing
Door Frame Steel Thickness	Clinic Doors / Office Doors: 1.2-1.5mm Toilet Doors: 1.2-2mm
Door Leaf Steel Thickness	0.8/1.0mm
Door Leaf Glass Thickness	6.0/8.0mm
Door Leaf Thickness	40mm
Core	Flame-retardant Paper Honeycomb, Aluminum Honeycomb
Window	Right-angled and rounded corners are available
Accessories	Aluminum vents, electronic door operator, shutters, double glass shutters, etc.

Product Features

- Optional motor and induction device can be used to realize automatic opening and closing. The door frame adopts a unique single or double slot integrated airtight door frame structure to meet the different needs of various environments.
- The steel door is made of ECO friendly galvanized steel, with a polyester coating or wood grain finish. It is anti-fouling, green and environmentally friendly.

It features heat insulation, sound insulation, moisture resistance, microorganism resistance, and easy cleaning.

- The edge of the door leaf is tightly stitched to reduce the breeding of bacteria. There are a variety of materials to choose from, such as galvanized steel, stainless steel, and glass windows of different sizes can be added to meet different medical needs.



Cleanroom Door & Window Production Line

VET has introduced more than 20 sets of professional equipment for doors and windows from both home and abroad, including a sheet metal production line fully imported from Italy's Prima Power, automatically controlled front feed positioning shears, CNC bending machines, multiple automated robotic welding from Japanese Yaskawa and internationally leading aluminum door and window equipment. From blanking to final molding, the level of production automation is way ahead of the industry.

CLEANROOM WINDOW



The cleanroom window comes in a variety of forms, with single and double glazing, with right-angled and rounded corners. The integrated design of the VET cleanroom window is perfectly combined with the clean wall panel, which not only offers a good sealing performance and easy installation, but also possesses an aesthetic appearance, making it a highlight in the cleanroom space.

Items	Configuration
Glass	Tempered Glass, Ultra-clear Tempered Glass, , Fire-Proof Window, Dimming Window
Window Frame & Cover	Aluminum Alloy
Thickness	50/75/100mm
Anti-fogging	Built-in 3A Molecular Sieve, with Optional Inert Gases



MASTER SERIES CLEANROOM WINDOW

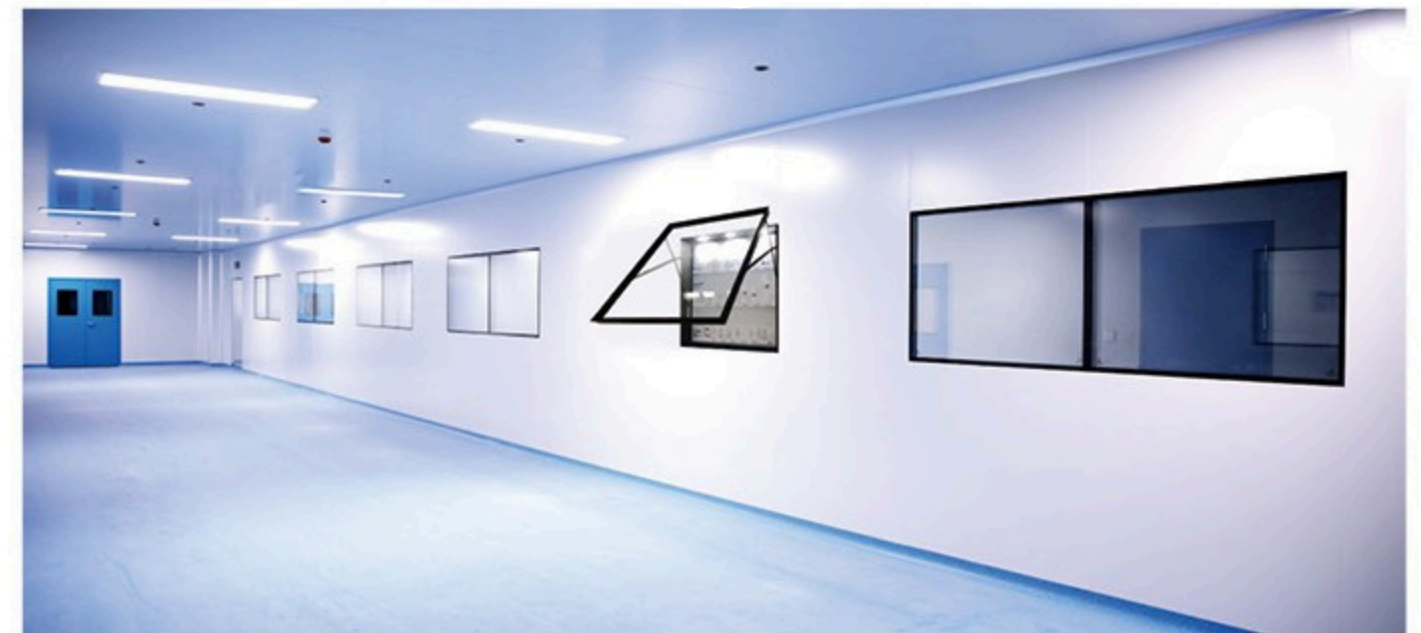


- Three Seals**
 Professional cleanroom production environment, fully automatic control of temperature and humidity, the Master series clean windows are built with three seals and smooth transition of arc edge folds, thus ensuring the seamless sealing performance all around.
- Molecular Sieve Technology**
 The patented window carrier is adopted, with vents uniformly arranged on both sides. The 24 molecular sieve reacts with the air in the cleanroom window through the gaps on both sides to ensure the anti-fogging performance of the window.
- Patented Dome**
 The patented design of the dome can realize the installation solution behind the window of the cleanroom, with a long and flexible connection around the window, thereby increasing the connection strength between the window and the wall panel while reinforcing air tightness.

DISPLAY WINDOW

VET display window is mainly used in cleanroom exhibitions and sightseeing walkways.

- Power-assisted and motorized operations are available;
- Divided into two forms, printed bulletin and product display;
- Both styles come with top spotlight settings;
- The linkage handle is easy to operate, with convenient and safe window cleaning.



ACCESSORY PRODUCTS



PASS BOX

Pass Box is a kind of supporting equipment in cleanroom, which is mainly used for the transfer of small items between clean areas, as well as between the clean area and the unclean area, in order to reduce the opening frequency of cleanroom and minimize pollution. Cleanroom Pass Box is made of stainless steel panel, flat and smooth. The two doors interlock with each other, effectively preventing cross contamination. It is equipped with an electronic or mechanical interlock and an ultraviolet sterilizing lamp.

Cleanroom Pass Box is widely used in micro science and technology, biological laboratories, pharmaceutical factories, hospitals, food processing industry, LCD, electronics factories and other spaces that need air purification.



Product Features

- The box is made of SUS304 stainless steel, and the working area features an arc transition.
- There are interlocking devices on both sides to ensure that the doors on both sides cannot be opened simultaneously.
- Built-in double-layer tempered glass window.
- The pass box features the automatic blowing air shower, which can effectively remove the dust carried on the surface of the article during transfer.

Product Name	Dimensions (W*D*H)	Internal Dimensions (W1*D1*H1)
Pass Box	800*660*760mm	600*600*600mm
Laminar Flow Pass Box	800*660*1,130mm	600*600*600mm
Optional Accessories		
Mechanical Lock	All Stainless Steel Box	UV Germicidal Lamp
Buzzer	Walkie Talkie	

LAMINAR FLOW HOOD

Laminar flow hood is an air purification equipment that provides a highly clean local environment. It is mainly composed of a box, a fan, an initial air filter, a high-efficiency air filter, a lamp, a current-sharing membrane, and a control. The product can both be hung and supported on the ground, with a compact structure that is easy to clean and disinfect.

They are widely used in precision machinery, electronics, pharmaceuticals, food, fine chemicals and other fields.

Product Advantages

- Pass GMP verification requirements
- Made of SUS304 stainless steel as a whole
- Use a large-capacity air blower or air conditioning system for air supply
- Liquid sealed to ensure zero leakage



HEPA BOX

Hepa Box is an ideal terminal filtration equipment for the thousands, tens of thousands, and even the 100,000-level purifying air-conditioning systems, which can be widely used in the purifying air-conditioning systems in the pharmaceutical, healthcare, electronics and chemical industries. Hepa Box is used as a terminal filtration equipment for the renovation and construction of cleanrooms at all levels from 1,000 to 300,000, as a key equipment to meet the purification requirements. Hepa Box consists of a static pressure box, a diffuser plate and a high-efficiency filter. Its connection with the air pipe can be on the top or on the side.



Product Features

- Replaceable structure
- 2 options of mechanical seal and liquid seal for better sealing performance
- Able to meet onsite PAO test
- Strong versatility

Items	Configuration
Box	Plastic sprayed cold rolled steel panel / stainless steel (SUS304) / aluminum panel
Flange	Plastic sprayed cold rolled steel panel / stainless steel (SUS304) / aluminum panel
Current sharing panel	Plastic sprayed cold-rolled blank steel panel / stainless steel (SUS304) / aluminum panel
Briquetting	Galvanized steel / stainless steel (SUS304) / ABS
Protective net	Plastic sprayed aluminum orifice panel / plastic sprayed cold rolled steel panel / stainless steel (SUS304)
Control valve	Plastic sprayed cold rolled steel panel / stainless steel (SUS304)
Insulation cotton	PE
Optional accessories	PAO test port and dust outlet, air protection net, dust ring, up-regulated air volume adjustment valve, down-regulated air volume adjustment valve, insulation cotton, etc.

LED LIGHT



- 1 Anti-falling rope:**
the lamp is equipped with an anti-falling design to avoid momentary impact or other accidents that cause the lamp to fall off during high-intensity construction of the interlayer;
- 2 DC low-voltage plug-in terminal:**
human body safety voltage, no hidden danger of electric shock, fast and convenient installation and maintenance.

3 Light guide panel:

professional optical-grade light guide panel, high uniformity of light output, whole light effect exceeding 100lm/w;

Light source:

special imported chip for clean lighting, blue light level is RGO, harmonic wave meets the national standard, and light attenuation meets the US LM80 standard;



4 Back panel:

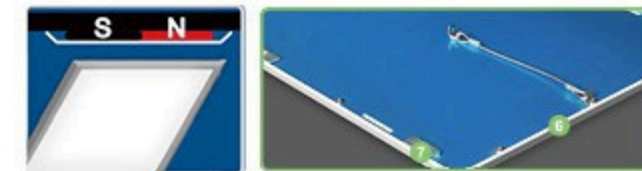
high-strength galvanized steel panel to ensure the overall strength and impact resistance of the lamp;

5 Structure:

streamlined structure design, the installation surface is uniform and smooth, no sharp corners or seams, no dust accumulation / collection, and no impact on cleanroom laminar flow;

Protection level:

using a unique sealing technology, regular protection can reach IP54, to meet the application in various clean environments, with convenient disinfection and cleaning;



6 Frame material: 6063 aviation aluminum

7 Process:

adopt the nano coating technology to ensure resistance to corrosive gases and reagents such as hydrogen peroxide / ethanol / phenol;

7 Magnetic installation:

the lamp comes with a permanent strong magnet, allowing it to tightly attach to the metal wall panel. The gap after installation is less than 1mm, and the installation and maintenance are easy;

Model	Size (mm)	Power (W)	Luminous Flux (LM)	Light Effect (LM/W)	IP Rating	Color Temperature (K) / Wavelength (nm)
YJ101-Z0-C	240*240*11	15	1500	100	IP54	4500K
YJ102-Z0-C	240*600*11	25	2500	100	IP54	4500K
YJ103A-Z0-C	240*1,170*11	40	4000	95	IP54	4500K
YJ103B-Z0-C	300*1,170*11	60	6000	90	IP54	4500K
YJ104A-Z0-C	600*600*11	40	4000	95	IP54	4500K
YJ104B-Z0-C	600*600*11	60	6000	90	IP54	4500K
YJ101-W0-C	240*240*11	15	1500	100	IP54	6500K
YJ102-W0-C	240*600*11	25	2500	100	IP54	6500K
YJ103A-W0-C	240*1,170*11	40	4000	95	IP54	6500K
YJ103B-W0-C	300*1,170*11	60	6000	90	IP54	6500K
YJ104A-W0-C	600*600*11	40	4000	95	IP54	6500K
YJ104B-W0-C	600*600*11	60	6000	90	IP54	6500K

OUR PARTNERS



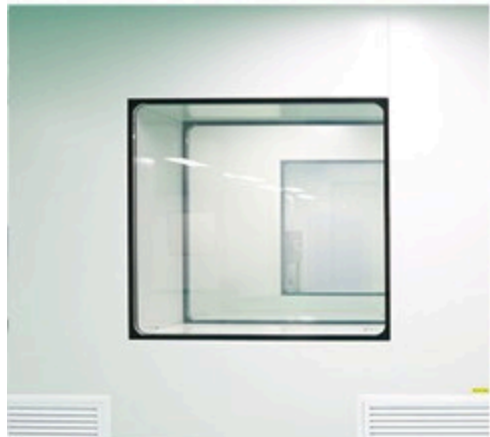
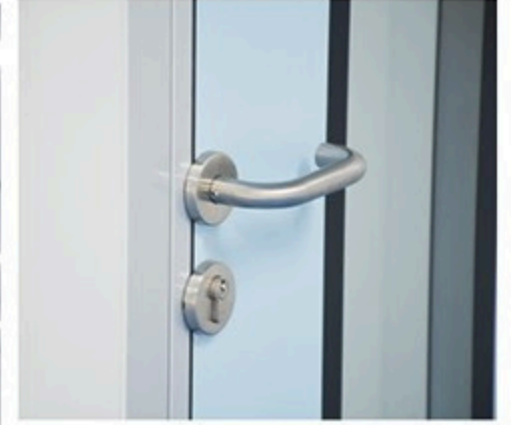


- Nestle
- Qingdao Laoshan Mineral Water Co., Ltd.
- Huayu Agricultural Science and Technology Co., Ltd.
- Hormel Foods Corporation
- Fujian Sunner Food Co., Ltd.
- Jinmailang Food Co., Ltd.
- New Hope Dairy Co., Ltd.
- CJ (Qingdao) Food Co., Ltd.
- Shandong Deyi Dairy Industry Co., Ltd.
- Hebei Jinshahe Flour Industry Co., Ltd.
- Dalian Kowa Foods Co., Ltd.



- Harbin Veterinary Research Institute of CAAS
- Shijiazhuang No.4 Pharmaceutical Co., Ltd.
- Beijing Laneva Pharmaceutical Co., Ltd.
- Qingdao Yebio Biological Co., Ltd.
- Juventas Cell Therapy Ltd.
- Hualan Biological Engineering, Inc
- HIGHTOP Biotech
- OBIO
- Jimon Group
- Shandong Provincial Hospital
- Yantai Yuhuangding Hospital

- CSPC Pharmaceutical Group Limited
- North China Pharmaceutical Co., Ltd.
- GuangYuYuan Chinese Herbal Medicine Co., Ltd.
- Beijing Jialin (Jarlin) Pharmaceutical Co., Ltd.
- Shandong Hongjitang Pharmaceutical Group Co., Ltd.
- Beijing Science Sun Pharmaceutical Co., Ltd.
- Shaanxi Bicon Pharmaceutical Co., Ltd.
- Nanjing Iglobe Biomedical Co., Ltd.
- Lanzhou Kaibo Pharmaceutical Co., Ltd.
- ReYoung Pharmaceutical Co., Ltd.
- Gan & Lee Pharmaceuticals Co., Ltd.



- Shandong Lukang Pharmaceutical Co., Ltd.
- Xiuzheng Pharmaceutical Group Company Limited
- Harbin Medisan Pharmaceutical Co., Ltd.
- Fuhe Group
- Disha Pharmaceutical Group
- Hubei Jianxiang Biological Pharmaceutical Co., Ltd.

- Qilu Hospital of Shandong University
- Weichai Power Co., Ltd.
- Bosch Automotive Products Suzhou Co., Ltd.
- Goertek Inc.
- Tianjin Samsung
- OPPL Lighting
- LG Display Yantai Co., Ltd.
- Qinghai Nuode New Material
- Hipower Group

Research Institute and Central Laboratory

VET has set up a first-class professional Research Institute and Central Laboratory in the country, which has been recognized as Shandong Provincial Level Enterprise Technology Center. The Research Institute established through collaboration with Shandong University is equipped with more than 40 sets of specialized equipment, and dedicated to the testing of physical, mechanical and combustion properties of raw and auxiliary materials, final products, in addition to the R&D of new products. The operation of the Central Laboratory follows the international standards, and product quality control is classified into five modules, ie., raw and auxiliary material inspection, product testing, process audit and laboratory inspection, which truly allows a seamless quality control process from raw material purchase and production, to inspection of final products, so as to guarantee a stable product quality.

PROFESSIONAL SERVICE



Design

Analyze the overall design of the cleanroom project, understand the actual needs of the client, optimize the design of the cleanroom enclosure system, and calculate the product usage and cost.



Cooperation

After VET's optimized design plan and blueprints have been approved by the client or the constructor, and relevant business terms confirmed, the two sides will sign a supply agreement for VET to prepare production materials.



Manufacturing

The production order is issued according to the client's cleanroom project progress. The factory arranges production according to order specifications, quantities, technical requirements and delivery dates, to achieve seamless quality control throughout the entire process from raw material entering the factory and processing, to finished product inspection, so as to ensure the stability of product quality.



Construction guidance

We provide each project with professional onsite engineers for installation guidance to ensure accurate construction, proper installation, and coordinate to resolve any unexpected issues at the installation site.



Transport and delivery

Cooperation with large domestic logistics companies, with a wide range of truck models and a transportation network covering the whole country. Standardized packaging and loading procedures to ensure that products are delivered safely and efficiently.



Maintenance

A professional aftersales problem handling center is in place to register and record the completed construction projects follow up on usage regularly, and handle the problems one-on-one in an efficient manner.

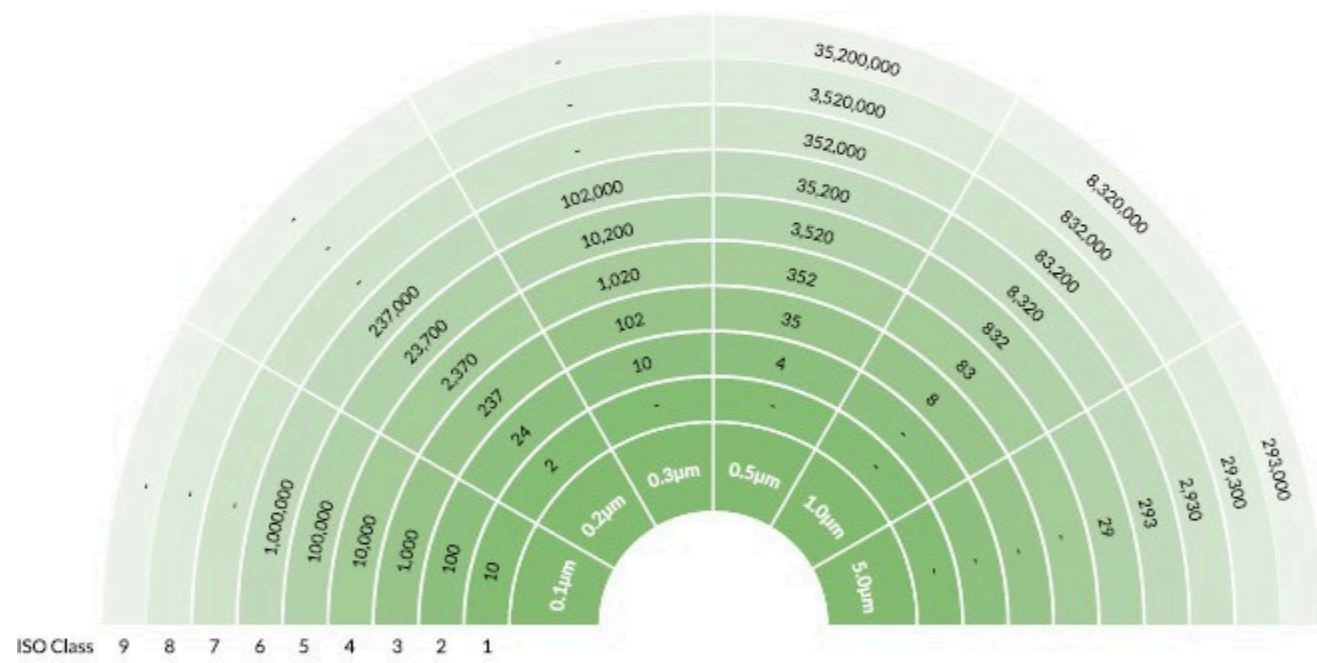
Just tell us what you want, and leave the rest to us!

AIR CLEANLINESS CLASS



Air cleanliness level: A level standard classified by the maximum concentration limit of particles with a size greater than or equal to the considered particle size in a unit volume of air in a clean space, tested by as-built, at-rest and operational methods.

EN ISO 14644-1 International Standard for Air Cleanliness Classes



Maximum concentration limit of particles greater than or equal to the indicated diameter (Number of air particles/m³)

COMMITTED
TO THE
CONVENIENCE
AND THE PRESTIGE OF
OUR CLIENTS