

ABOUT DSX

Focusing on the manufacturing of purification equipment
Providing a comprehensive solution for clean rooms

DSX provides research and development, production, and sales of various air purification products, as well as integrated clean room purification solutions and fresh air systems.

Company Introduction

Wujiang Deshengxin Purification Equipment Co., Ltd. was established in 2005 and is a professional enterprise that integrates the research and development, manufacturing, installation, design, and maintenance of clean room equipment. The company produces products throughout the entire industry chain of purification equipment, with stronger quality control capabilities and advantages in price and delivery time. To better serve customers, the company has built a new factory building of over 20000 square meters in Guangde. We have advanced production equipment and engineering technology research and development centers, with strong research and innovation capabilities. Our products can be designed and produced according to customer requirements and industry needs.

The company's business scope includes cleanroom planning, design, maintenance, as well as the research and development, manufacturing, sales, and service of cleanroom equipment. The main products include: FFU, FFU group control systems, air and cargo shower rooms, filters, clean workbenches, etc. Our products are widely used in various industries such as lithium batteries, semiconductors, electronic optoelectronics, automotive new energy, laboratories, new materials, biomedicine, precision mechanical microelectronics, PCBs, optical instruments, precision instruments, and food industry.





Culture & Honors

The company has passed ISO9001 quality system certification, and its products have obtained CQC and EU CE certification. The company attaches great importance to intellectual property rights and has applied for and passed multiple appearance and utility model majors. Additionally, two invention patents are under examination.

Brand Value

Brand

The company has registered multiple trademark brands such as "DSX", "Deshengxin", "Aibeijia", and "Aibeile".

Brand Value

In order to protect the company's brand and maintain its value, we always strive for breakthroughs with a rigorous scientific attitude and strong team support, ensuring strong research and innovation capabilities. We provide customers with technologically advanced products and excellent service experiences. This has better enhanced our brand value.

We are committed to the joy of creation……

We are committed to serving with sincerity……



Cultural Concept



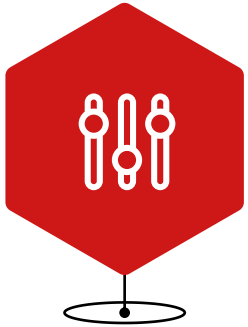
Positioning

Supplier of mid to high-end cleanroom solutions
Purification equipment supplier



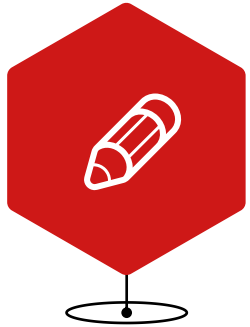
Mind Identity

We will continue to uphold a sincere and pragmatic attitude and always become a trustworthy partner around you. We will continue to demonstrate the company philosophy of "quality is the soul, innovation is the foundation".



Orientation

In the face of future expansion and market challenges, we will constantly challenge ourselves, implement our corporate philosophy, and achieve the strategic goal of brand internationalization.



Mission

We will continue to use our excellent industry experience, advanced technology, and mature products to share benefits with customers, accompany them to grow together, and become your long-term partner and friend!



Products & Services

FFU, FFU centralized controller, air shower room, filter, purification workbench, laminar flow hood, biosafety cabinet, weighing room, sampling vehicle, dust-free wardrobe, dust-free shoe cabinet, dust-free workbench, transfer window, clean shed, purification washing phone, etc;

Undertake environmental engineering in industries such as electronics (TP, LCM, LCD, LED, OLED, TFT, FPC, STN, SMT, etc.), GMP pharmaceuticals, bioengineering, food, cosmetics, fine chemicals, laboratories, hospitals, etc.

Key Product Introduction

FFU

Our company's FFU fan filtration unit uses high-quality centrifugal fans (optional AC or EC fans), which have stable performance and long service life. Unique duct design, low vibration, low noise, and excellent air distribution. It can be controlled by a single device or remotely by multiple devices, with characteristics such as energy conservation, stable operation, low noise, and digital speed regulation. Different levels of filters can be configured according to customer needs to meet the purification level requirements of different levels. Widely applicable to manufacturers of lithium batteries, semiconductors, electronics, flat panel displays, and disk drives, as well as in optical, biological industries, and other places with strict control requirements for air pollution.









Product Advantages

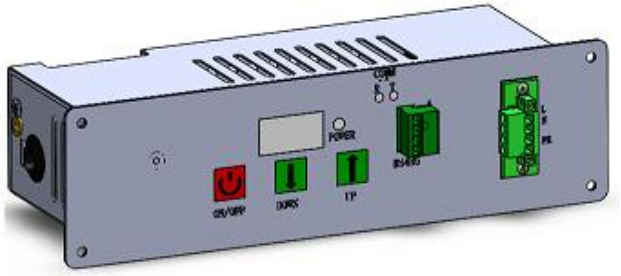
	DSX	Others
	Sheet metal: AMADA CNC punching machine, laser cutting machine, CNC bending center, laser welding	Sheet metal: laser cutting machine, bending machine, argon arc welding
	Fan: motor+impeller self-produced	Fan: Outsourced
	HEPA filter: self-produced	HEPA filter: Outsourced
	Control system: independently developed	Control system: Outsourced

Comparative advantages

- **Sheet metal:** Advanced production equipment and skilled technical staff produce high-precision products with higher production efficiency.
- **Fan:** With years of experience in motor and fan production, and multiple senior motor engineers, we can flexibly adapt and adjust parameters to meet customer needs. Equipped with advanced research and development laboratories, all products undergo long-term, multiple, and rigorous testing and verification before mass production. Each fan production process also undergoes three tests to ensure product quality. Our fan features low noise, high air volume, stable operation, and long service life.
- **HEPA Filter**: Produced in a dust-free room, each product must pass the leak detection on the leak detection platform before leaving the factory.
- **Control system:** A self-developed system. Senior software and hardware engineers can customize for customers, which is more tailored to your actual needs.

✓ **Self produced throughout the entire industry chain, with better prices**
✓ **Shorter production capacity and delivery time**
✓ **Better quality control and guaranteed quality**
✓ **Faster after-sales response time**

Control System



EC Controller

- ✓ Can be controlled locally on a single machine;
- ✓ Can be controlled by computer group or upper computer;
- ✓ Can be controlled by touch screen (single screen can control 300 FFUs in groups, and can operate on duty);
- ✓ Capable of monitoring the operating status of FFU, with alarm function and wind pressure monitoring function;
- ✓ Customize matching control programs based on different communication methods and needs of customers;
- ✓ The baud rate can be customized according to customer requirements;
- ✓ The control program can be displayed in multiple languages;

Control System

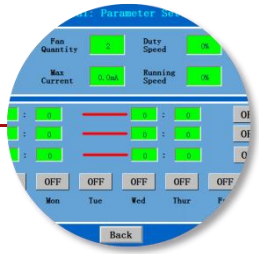


AC Controller

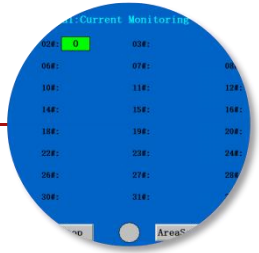
- ✓ Can be controlled locally on a single machine;
- ✓ Can be controlled by computer group or upper computer;
- ✓ Can be controlled by touch screen (single screen can control 300 FFUs in groups, and can operate on duty);
- ✓ Capable of monitoring the operating status of FFU, with alarm function and wind pressure monitoring function;
- ✓ Customize matching control programs based on different communication methods and needs of customers;
- ✓ The baud rate can be customized according to customer requirements;
- ✓ The control program can be displayed in multiple languages;

Touch Screen System

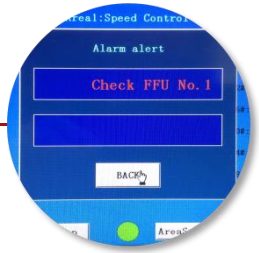




Group control duty



Motor operation status monitoring



Motor&wind pressure alarm

CE Certificate



SGS-CSTC Standards Technical Services Co., Ltd.

VERIFICATION OF COMPLIANCE

Verification No.:	SHEM230400230501MDC
Applicant:	Wujiang Deshengxin Purification Equipment Co.,Ltd.
Address of Applicant:	No18 of East Tongxin Road, Wujiang District, Suzhou City, Jiangsu Province, China
Product Description:	FFU (Fan Filter Unit)
Model No.:	DSX-FFU01-02-05, DSX-FFU01-01, DSX-FFU01-01-01, DSX-FFU01-01-02, DSX-FFU01-01-03, DSX-FFU01-01-04, DSX-FFU01-01-05, DSX-FFU01-02, DSX-FFU01-02-01, DSX-FFU01-02-02, DSX-FFU01-02-03, DSX-FFU01-02-04, DSX-FFU01-03, DSX-FFU01-03-01, DSX-FFU01-03-02, DSX-FFU01-03-03, DSX-FFU01-03-04, DSX-FFU01-03-05, DSX-FFU02-02, DSX-FFU02-02-01, DSX-FFU02-02-02, DSX-FFU02-02-03, DSX-FFU02-02-04, DSX-FFU02-02-05, DSX-FFU02-03, DSX-FFU02-03-01, DSX-FFU02-03-02, DSX-FFU02-03-03, DSX-FFU02-03-04, DSX-FFU02-03-05, DSX-FFU02-04
Sufficient samples of the product have been tested and found to be in conformity with	
Test Standards:	EN 61000-6-3:2007 +A1:2011 EN IEC 61000-6-1:2019
As shown in the	
Test Report Number(s):	SHEM230400230501

This verification of EMC Compliance has been granted to the applicant based on the results of the tests, performed by laboratory of SGS-CSTC Standards Technical Services Co., Ltd. on the sample of the above-mentioned product in accordance with the provisions of the relevant specific standards under Directive 2014/30/EU. The CE mark as shown below can be used, under the responsibility of the manufacturer, after completion of an EU Declaration of Conformity and compliance with all relevant EC Directives.

CE

Parlam Zhan
Laboratory Manager

Date: 2023-04-26

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VERIFICATION OF MD COMPLIANCE

No.:	MD SHES2304007247MD
Applicant:	Wujiang Deshengxin Purification Equipment Co., Ltd. No.18 of East Tongxin Road, Wujiang District, Suzhou City, Jiangsu Province, China
Manufacturer:	Same as applicant
Product Description:	FFU(Fan Filter Unit)
Model No.:	See the next page
Trade Mark:	-
Additional information (if any):	-
Sufficient samples of the product have been tested and found to be in conformity with	
Test Standard:	2006/42/EC Annex I EN 60204-1:2018 EN ISO 12100:2010
as shown in the	
Test Report Number(s):	SHES2304007247O1-01/02

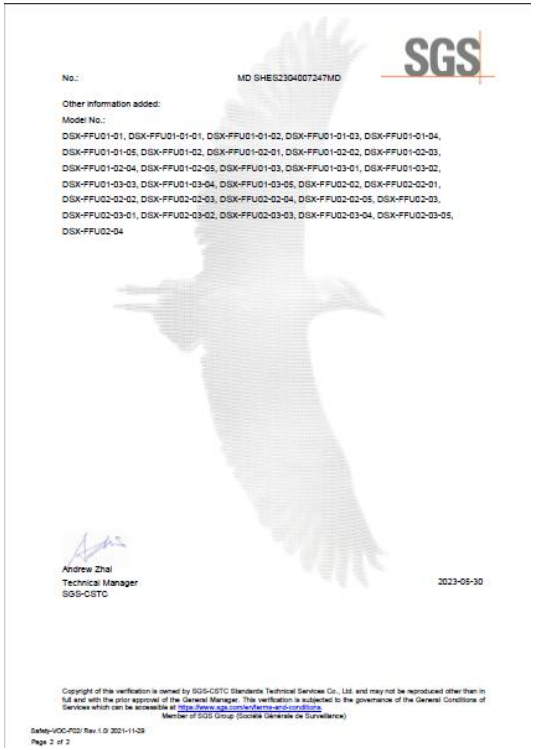
This Verification of MD Compliance has been granted to the applicant based on the results of tests, performed by Laboratory of SGS-CSTC Standards Technical Services Co., Ltd. on sample of the above-mentioned product in accordance with the provisions of the relevant harmonized standards under the Machinery Directive 2006/42/EC. The CE mark as shown below can be affixed, under the responsibility of the manufacturer, after completion of an EC Declaration of Conformity and compliance with all relevant EC Directives. The affixing of the CE marking presumes in addition that the conditions in the Directives are fulfilled.

CE

Andrew Zhai
Technical Manager
SGS-CSTC

2023-05-30

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No.: MD SHES2304007247MD

Other information added:

Model No.:

DSX-FFU01-01, DSX-FFU01-01-01, DSX-FFU01-01-02, DSX-FFU01-01-03, DSX-FFU01-01-04, DSX-FFU01-01-05, DSX-FFU01-02, DSX-FFU01-02-01, DSX-FFU01-02-02, DSX-FFU01-02-03, DSX-FFU01-02-04, DSX-FFU01-02-05, DSX-FFU01-03, DSX-FFU01-03-01, DSX-FFU01-03-02, DSX-FFU01-03-03, DSX-FFU01-03-04, DSX-FFU01-03-05, DSX-FFU02-02, DSX-FFU02-02-01, DSX-FFU02-02-02, DSX-FFU02-02-03, DSX-FFU02-02-04, DSX-FFU02-02-05, DSX-FFU02-03, DSX-FFU02-03-01, DSX-FFU02-03-02, DSX-FFU02-03-03, DSX-FFU02-03-04, DSX-FFU02-03-05, DSX-FFU02-04

Andrew Zhai
Technical Manager
SGS-CSTC

2023-05-30

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FFU Production Introduction



laser cutting



CNC punch press stamping



Fully automatic bending center bending



Fully automatic bending machine for bending

FFU Production Introduction



Riveting area



Welding workshop



Assembly workshop



Assembly workshop

FFU Production Introduction



Testing



Packing



Storage

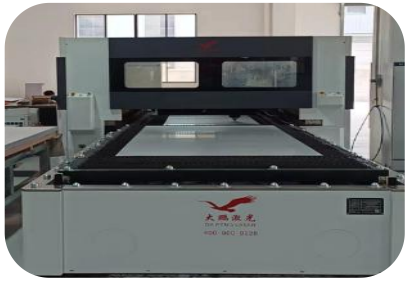


Shipping

Key Production Machine



AMADA CNC punching machine



Laser cutting machine



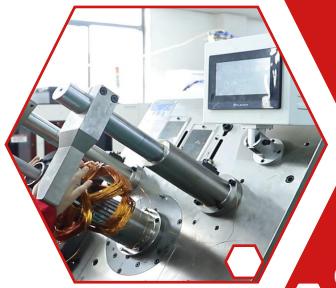
CNC bending center



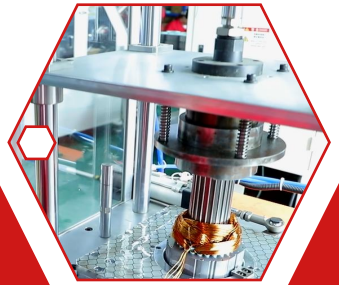
Handheld laser welding

Main production equipment for sheet metal

Key Production Machine



Motor shaping machine



Automatic winding machine

coil inserting apparatus



Automatic binding machine



Terminal machine



Main production equipment for motors

Key Production Machine



Fully automatic filter production line



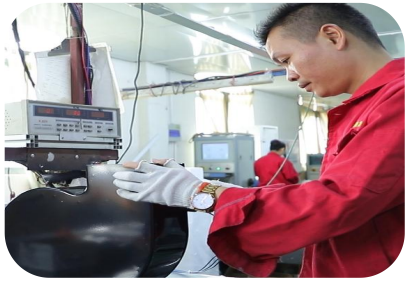
Touch screen glue dispenser

Main production equipment for filters

Key Test Machine



Motor test system



Fan testing system



Wind turbine dynamic balance testing system



Filter leakage detection platform

Main testing equipment for fans and filters

Other Test Machine



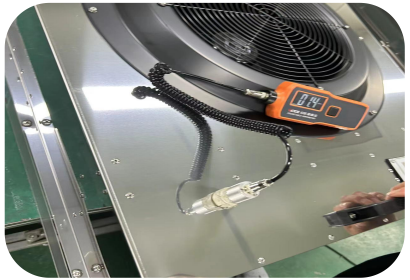
TSI air volume hood



Dust particle detector



AC power frequency converter



Vibration tester

Other systemic general testing equipment

FFU Product Introduction



Fan Filter Unit (FFU)

Fan filter unit (for automation equipment and dust-free workshop)

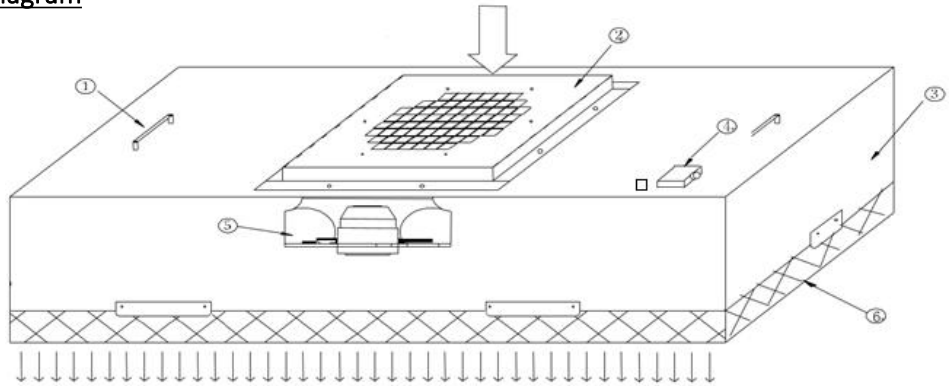
FFU Product Introduction

Features

- This type FFU is a self-contained fan filter for laminar and non-laminar clean room environment.
- It is highly flexible and suitable for various smallpox keels and ceiling systems. According to the different design requirements, it can be easily upgraded and integrated into any kind of keel structure to achieve the cleanliness level 100, 10, or even 1.
- It is one of the best clean room equipment in the market, the lowest noise and the most economical.
- It can produce high quality clean air, form and maintain a stable laminar flow in the clean room.
- It is suitable for semiconductor, microelectronics, optical, microbiological industries and other occasions requiring special control of dust particles in the air.
- Advanced performance and structural design are applicable to any grade clean room.
- A unique internal diffuser, uniform diffusion of wind pressure, uniform and stable wind speed.
- Special air inlet and duct design, reduce pressure loss and noise.
- High quality blower, high efficiency, low power consumption and energy saving.

FFU Product Introduction

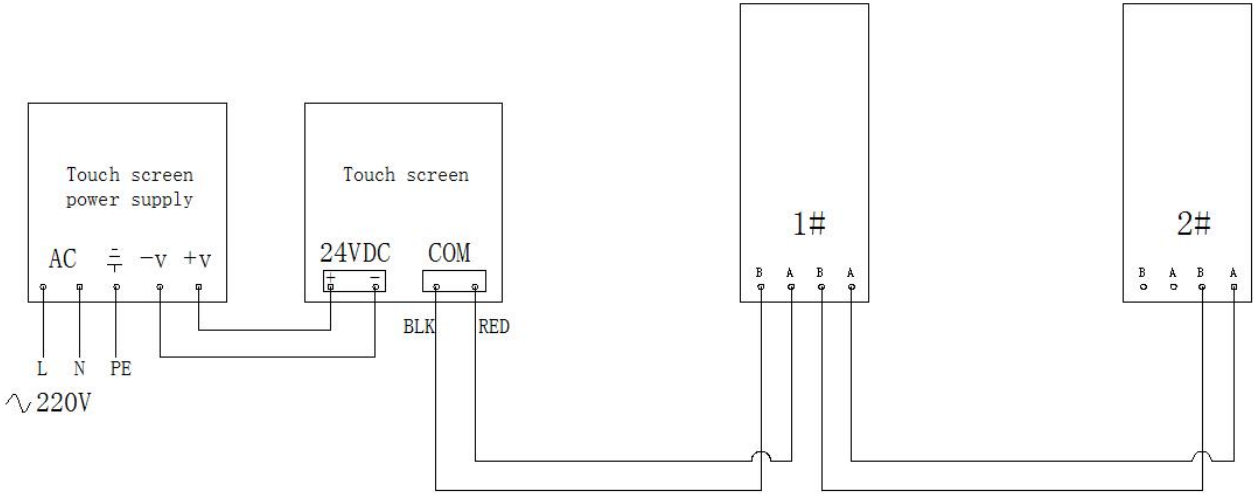
FFU Assembly diagram



1	Handle	5	Motor
2	Safety cover	6	HEPA filter
3	FFU body		
4	Power supply		

FFU Product Introduction

FFU Wiring diagram (Group control)



FFU Product Introduction

FFU parameters（Ultrathin type）：

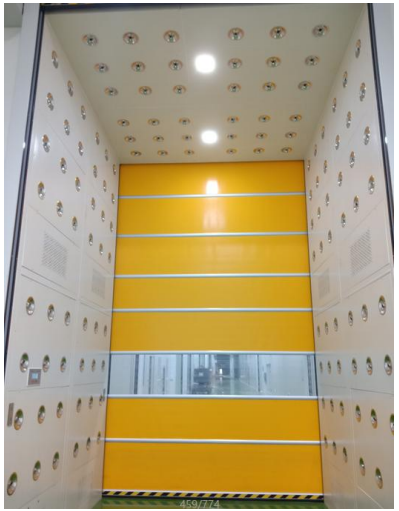
Model	Ultrathin type			
FFU dimension (mm)	875X575X160	1350X460X160	1600X460X160	Other dimension
FFU material	SUS304 / SUS201 / SUS 316 / SUS430 / SGLC / Powder coated			
Fan	AC / EC			
Input	220ACV/50HZ/1P			
Speed (m/s)	0.45~0.7 m/s±20% at high speed			
Control type	Manual / RS485			
HEPA Height (mm)	50 / 70 Optional			
HEPA filter material	Glass fibre			
HEPA efficiency	H13 / H14 /U15			
Operating temperature	10~40℃			
Structure type	Split type			
Installation mode	Horizontal / Vertical			

FFU Product Introduction

FFU parameters（Normal type）：

Model	Conventional type				
FFU dimension (mm)	575x575x230	765X510X230	1000X520X230	1175X575X230	Other
FFU material	SUS304 / SUS201 / SUS 316 / SUS430 / SGLC / Powder coated				
Fan	AC / EC				
Input	220ACV/50HZ/1P				
Speed (m/s)	0.45m/s±20% at high speed				
Control type	Manual / RS485				
HEPA Height (mm)	50 / 70 Optional				
HEPA filter material	Glass fibre				
HEPA efficiency	H13 / H14 /U15				
Operating temperature	10~40℃				
Structure type	Split type				
Installation mode	Horizontal / Vertical				

Key Projects







微小卫星

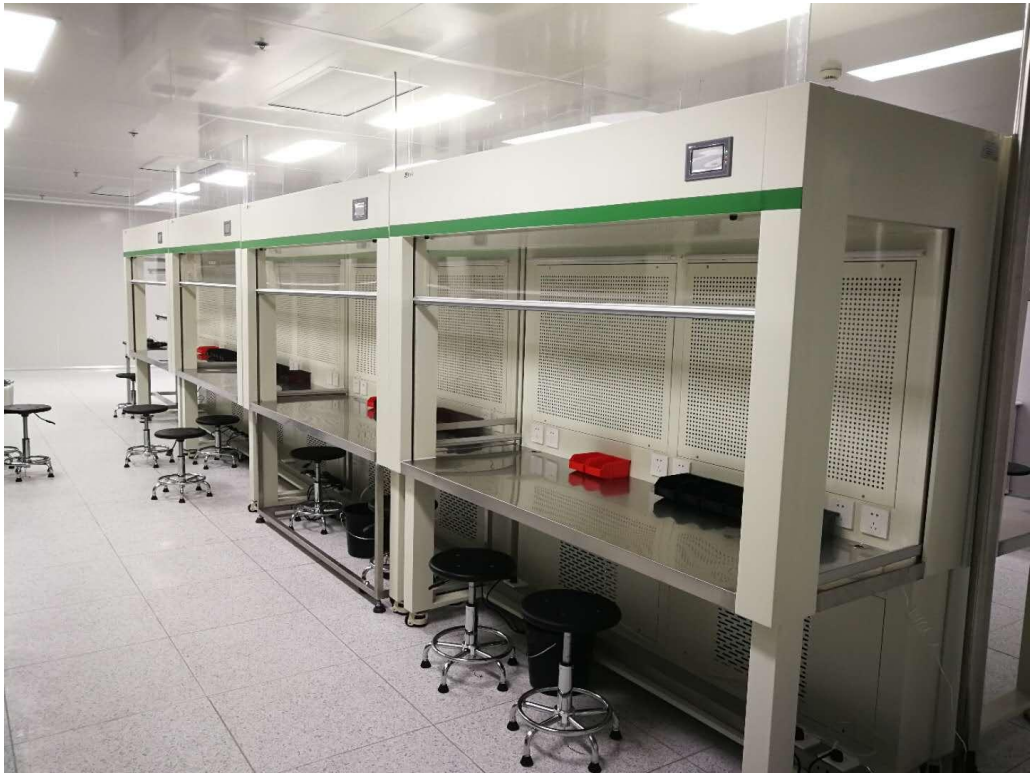
Project Introduction

Company Name: Shanghai Microsatellite

Project address: Shanghai

Project Name: Cargo Shower Room for Small Satellites

Key Projects



禾川

Project Introduction

Company Name: Zhejiang Hechuan Technology Co., Ltd

Project address: Quzhou, Zhejiang

Project Name: Clean Workbench

Towards a better future together!

Wujiang Deshengxin Purification Equipment Co., Ltd

Address: No.18, Tongxin East Road, the Taihu New Town, Wujiang District, Suzhou, China
Tel: +86 0512-63212787
Mobile phone: +8613646258112 (same WeChat account)
Fax: 0512-63212787-812
Email: nancy@shdsx.com