



Tailin, Integrated Solution Provider in Life Science

ZHEJIANG TAILIN BIOENGINEERING CO.,LTD | Stock Code 300813

Who is Tailin

Tailin – Integrated Solution Provider in Life Science

- Since Jan.2002 Hangzhou ● IPO: Jan.2020 (stock code:300813)

Main Business

Cutting-edge technology and equipments, consumables and new materials.

Focus on

Biotechnology, Precision Medicine(ATMP), Pharmaceutical Engineering, Food Safty, Water Quality and New Materials

Positioning

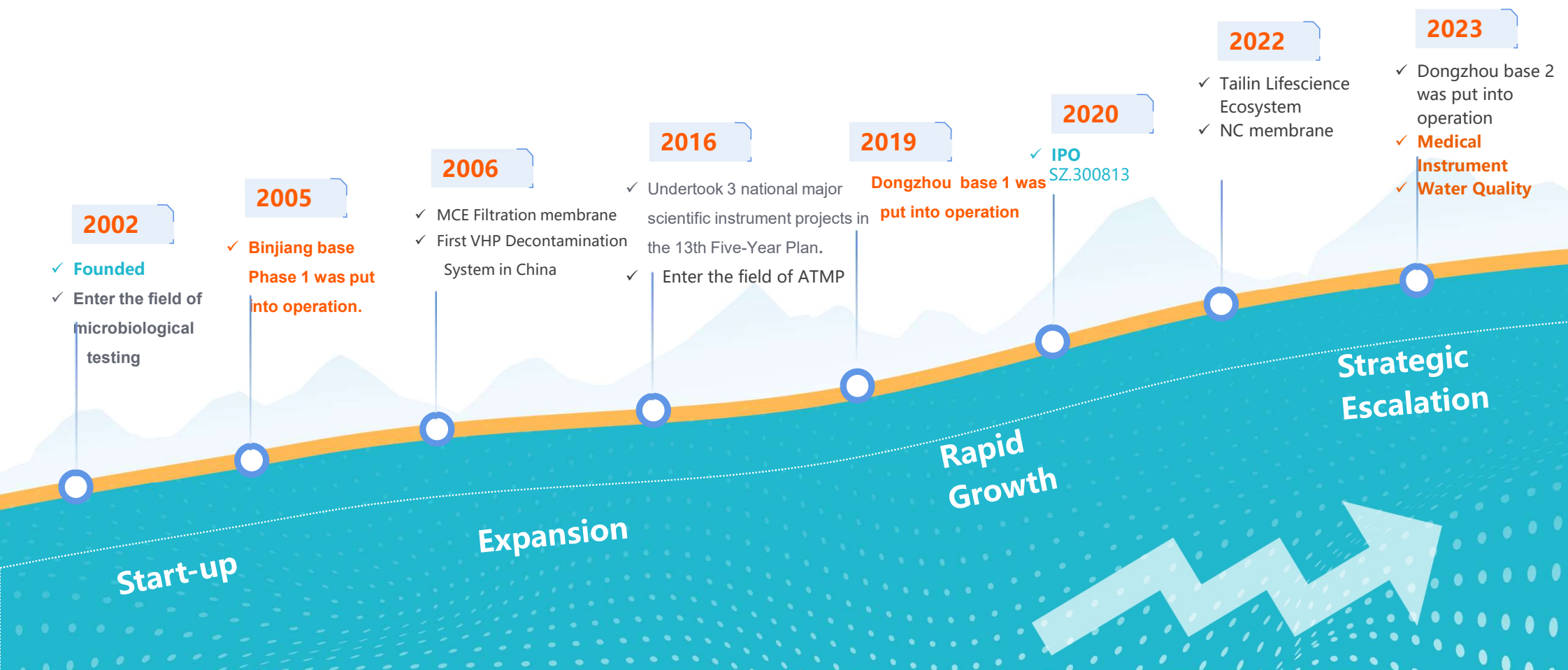
Integrated Solution Provider in Life Science

Vision

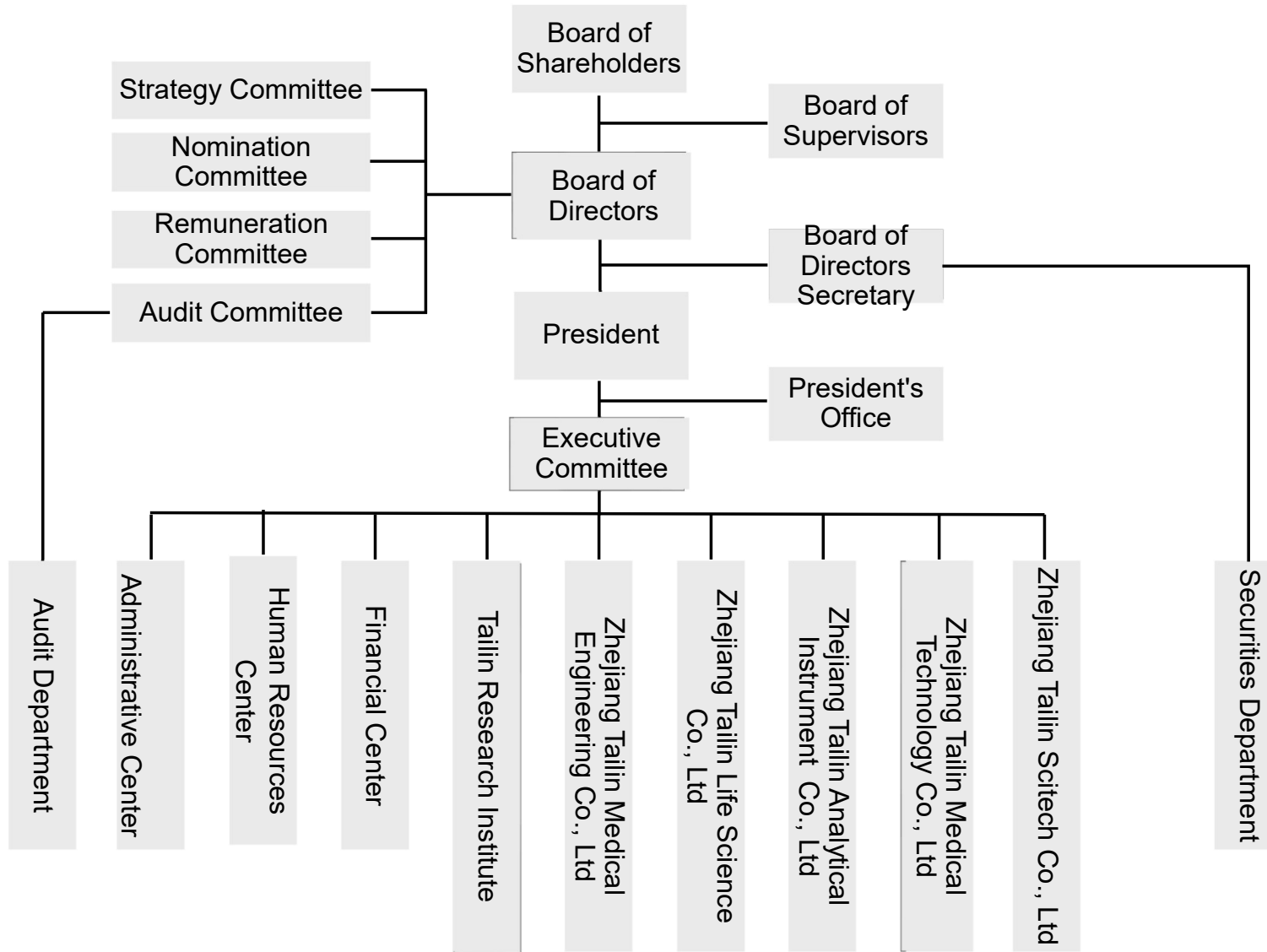
Create a life science ecosystem that can contribute to improving human health



Milestone



Organization Chart of Tailin Group



Expand Production Bases



Headquarter, Binjiang



Dongzhou Base 1



Dongzhou Base 2

Core Ability



30+



National & Industrial Standards



370+



Patents



First



Participate in the construction
of
China First Space Station



20+



National Research Program

20+ National Major Research Program



Certificates



ISO9001



ISO14001



ISO45001

Certificates



CERTIFICATE OF CONFORMITY

Addendum 1

Certificate No.: LTC220420-CZT-011

The Certification Body of **LTC CERTIFICATION LIMITED** Certifies that the product described on this certificate complies with the requirements of the relevant standards.

Model No.: HTY-1250AG2, HTY-1250G2, HTY-1650AG3, HTY-1650G3, HTY-1800AG4, HTY-1800G4, HTY-1800AG8, HTY-1800G8, RT1600S, RT1600STC, RT1600D, RT1600DTC, RT1800S, RT1800STC, RT1800D, RT1800DTC, RT2400S, RT2400STC, RT2400D, RT2400DTC, STI-1600S, STI-1600STC, STI-1600D, STI-1600DTC, STI-1800S, STI-1800STC, STI-1800D, STI-1800DTC, STI-2400S, STI-2400STC, STI-2400D, STI-2400DTC, AFL-XS-GY, AFL-XD-GY, AFL-XM-GY, AFP-XS-GY, AFP-XD-GY, AFP-XM-GY, CPS-XS-GY, CPS-XD-GY, CPS-XM-GY, CST-XS-GY, CST-XD-GY, CST-XM-GY, AS-XS-GY, AS-XD-GY, AS-XM-GY, APC-XS-GY, APC-XD-GY, APC-XM-GY (Note: X represents the number of compartments and Y represents the number of glove ports, S represents single-sided hatch, D represents double-sided hatch, and M represents other than single-sided and double-sided hatch.)

Signature: *Lazare Martin*

Lazare Martin

Date of issue: April 25, 2022

Expiry Date: April 24, 2027






LTC CERTIFICATION LIMITED

Address: 37 rue des Mathurins 75008 Paris France

Email: info@ltdcr.com Website: www.ltdcr.com

CE: Isolators



CERTIFICATE OF CONFORMITY

Certificate No.: LTC220606-CZT-004

The Certification Body of **LTC CERTIFICATION LIMITED**

Certifies that

Applicant:	ZHEJIANG TAILIN MEDICAL ENGINEERING CO., LTD
Address:	12F, Building 3, No.2930 Nanhuan Road, Binjiang, Hangzhou, Zhejiang, China
Manufacturer:	ZHEJIANG TAILIN MEDICAL ENGINEERING CO., LTD
Address:	12F, Building 3, No.2930 Nanhuan Road, Binjiang, Hangzhou, Zhejiang, China
Product Name:	Gloves Integrity Tester
Model No.:	GIT-SE Series, GIT-INS Series, GIT-IND Series, GIT-WLAN Series, GIT-MINI Series
Rating(s)	DC 12-24V, 20-200W
Testing Standard(s):	EN 61010-1:2010+A1:2019, EN IEC 61326-1:2021, EN IEC 61326-2-2:2021, EN IEC 61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A1:2019.
Report No.:	DN20220613-ZTL34-CE-S, DN20220613-ZTL35-CE-E

Technical documentation of the company and the product above have been observed and audit has been completed successfully by us. The **Low Voltage Directive 2014/35/EU (LVD)** and **Electromagnetic Compatibility Directive 2014/30/EU (EMC)** have been taken as references for these processes.

The validity of the certificate can be checked through our website www.ltdcr.com. The CE mark shown below can only be used under the responsibility of the manufacturer with the completion of EU Declaration of Conformity and necessary technical documentation for all the relevant directive(s). This certificate only covers the product stated above and LTC must be noticed in case of any changes on the product.

Signature: *Lazare Martin*

Lazare Martin

Date of issue: June 14, 2022

Expiry Date: June 13, 2027






LTC CERTIFICATION LIMITED

Address: 37 rue des Mathurins 75008 Paris France

Email: info@ltdcr.com Website: www.ltdcr.com

CE: Glove Integrity Testers



CERTIFICATE OF CONFORMITY

Certificate No.: LTC220527-CZT-005

The Certification Body of **LTC CERTIFICATION LIMITED**

Certifies that

Applicant:	ZHEJIANG TAILIN MEDICAL ENGINEERING CO., LTD
Address:	12F, Building 3, No.2930 Nanhuan Road, Binjiang, Hangzhou, Zhejiang, China
Manufacturer:	ZHEJIANG TAILIN MEDICAL ENGINEERING CO., LTD
Address:	12F, Building 3, No.2930 Nanhuan Road, Binjiang, Hangzhou, Zhejiang, China
Product Name:	Automatic Colony Counter
Model No.:	ASC Series, SCW Series
Rating(s)	220V~, 50Hz, 20-3000W
Testing Standard(s):	EN 61010-1:2010+A1:2019, EN IEC 61326-1:2021, EN IEC 61326-2-2:2021, EN IEC 61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A1:2019.
Report No.:	DN20220602-ZTL12-CE-S, DN20220602-ZTL13-CE-E

Technical documentation of the company and the product above have been observed and audit has been completed successfully by us. The **Low Voltage Directive 2014/35/EU (LVD)** and **Electromagnetic Compatibility Directive 2014/30/EU (EMC)** have been taken as references for these processes.

The validity of the certificate can be checked through our website www.ltdcr.com. The CE mark shown below can only be used under the responsibility of the manufacturer with the completion of EU Declaration of Conformity and necessary technical documentation for all the relevant directive(s). This certificate only covers the product stated above and LTC must be noticed in case of any changes on the product.

Signature: *Lazare Martin*

Lazare Martin

Date of issue: June 6, 2022

Expiry Date: June 5, 2027






LTC CERTIFICATION LIMITED

Address: 37 rue des Mathurins 75008 Paris France

Email: info@ltdcr.com Website: www.ltdcr.com

CE: Colony Counters

Certificates



CE: VHP Generator



CE: Filter Integrity Tester



CE: TOC Analyzer

Certificates



Executive Board Member of CIC



CNAS Laboratory

Products History

Leading Innovation



Strategy

Establish a leading ecosystem in the life sciences sector and become a top international brand



Strategy — Industries Distribution



| Biopharmaceutical |
| Food Industry |
| Water Quality |
... ..

Microbiology Test

— — — — —



| Isolation Protection |
| Aseptic dispensing |
| Precision analysis |
... ..

Pharmaceutical Equipments

— — — — —



| Advanced Technology |
| Cell & Gene Therapy |
| Consumables |
... ..

Cell and Gene Therapy Workstation

— — — — —



| Diagnostic Instruments |
| Diagnostic Reagents |
... ..

IVD

— — — — —



| Membrane Filtration & Separation Technology |
... ..

New Materials

— — — — —

Tailin focuses on the **life science field**, including microbiology test, advanced pharmaceutical equipments, CGT equipment& quality control, IVD, and new material.

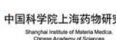
Strategy – globalization



More than **40**
countries and territories in the world

1700+

Pharmaceutical
Customers



Field: Precision Medicine(ATMP)

Service for:

- Provide highly automated and digital cell separation, culture, washing, concentration, and detection for the cell and gene therapy industry.
- Provide a clean environment and quality control guarantee for cell therapy.

Main product: Research and production equipment and consumables for ATMP, IVD, regenerative medicine.



Innovative Solutions for ATMP

- meet GMP requirements, DO NOT need B + A
- cell preparation Workstation + Honeycomb incubation system (CPS)
- customize the integrated equipment according to the preparation process
- A-level environment, avoid the risk of contamination
- multiple batches of cells can be prepared in a small space
- track and record the complete operation process

Cell Therapy Products Preparation:



Cell Subpackage:



Quality Control:



Pharmaceutical Engineering

Business: Provide intelligent and integrated equipment for pharmaceutical R&D, production, and quality control. Provide customized solutions

Products: Isolation Technology + Aseptic Processing Equipment

Containment Isolator for high potent ingredient



Containment Isolator

Aseptic Processing



Aseptic Isolator



Aseptic Filling



Smart Filling Pump



Desktop Filling Pump



Prefilled Syringe Stoppering



Capping



VHP Pass Box



AGV SD6

Automatic Pharmaceutical Production



Robot Workstation



Sterility Testing Solution



Sterility Test Pump



Sterility Test Isolator



ScanCounter Workstation



Automatic Sterility Test and Incubation System

Case Study-Containment Isolator



Case Study-Aseptic Isolator



Case Study-Sterility Test Isolator



Biosafety

Business: Providing high-level decontamination equipment and services for cleanrooms, medical institutions and laboratories.

Products: Bio-decontamination and sterilization equipment



Biosafety



Disease Control



Laboratory Animals

Case Study



Laboratory Animal Equipment

Business: Providing equipment and services for animals feeding, disinfection and materials transfer.
Products: Aseptic isolators, containment isolators, VHP disinfection and VHP pass box.



RT-1600S/1100S-BS
Aseptic Isolator for
Animal Feeding

ACF-A500S
Animals Cage

Animals feeding and testing



STP6000BS
VHP Pass Box



Xenon Radiation Pass
Box

Sterile Transfer



FD2
Dry Fogger



HTY-SUPER SD5
VHP Generator

Disinfection

Microbiology Control



Business :

- Provide microbiological testing instrument and service for pharmaceutical, environmental protection and food industries.
- Microbial limit test for medical and health, disease control and other industries.

Products: Sterility test and Microbial test system

Microbial Test for Water Quality

Based on the enzyme substrate method, it can provide a fast and convenient solution for water quality test, and achieved the qualitative and quantitative detection of pathogenic bacteria in water.

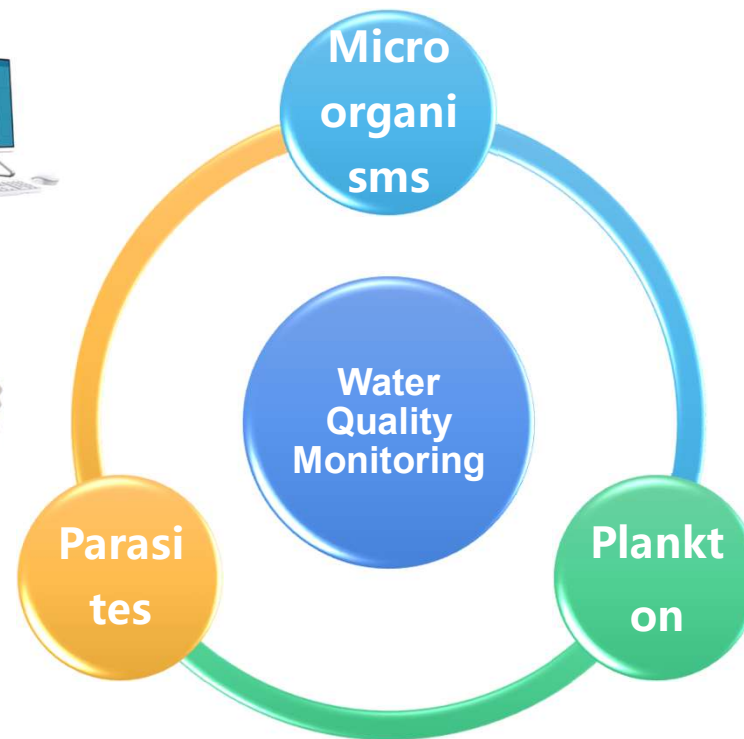


Sterility test and Microbial Test for Drug and Food

- Provide full-process solutions for sample pre-treatment, bioburden test, coliform test sterility test, microbial challenge test for drug and food industries.
- Provide professional validation documents and services.



Water Quality Testing



Microorganisms+Parasites+Plankton

New Materials

■ High performance filtration membrane

- **Microfiltration:** filtration membranes for microbiology testing, food & beverage and environmental protection field.
- **Ultrafiltration:** Used for protein, peptide, concentration; purification of antibody or recombinant protein; concentration of vaccine and conjugate; clarification and concentration of cell culture solution, etc.



■ IVD membrane

- **Rapid Diagnostic Test:** NC membrane is used as a carrier for the C/T line in colloidal gold test strips for various immunoassay products such as COVID-19, early pregnancies, drug testing, heart disease testing, and infectious disease testing.
- **Western Blotting Membrane:** Used for protein blotting analysis in biopharmaceuticals, medicine and other fields.



Total Organic Carbon (TOC) Analyzer

With the oxidation technology and sensor technology, it can quickly detect the content of organic matter in water, and provide detection results.



Filter Integrity Testing

With the pressure sensor, laser sensor and other technologies, the filter integrity tester could quickly detect the integrity of containers and filters, and provide detection results.



Online Microbial/Particle Testing

With microfluidic technology and TDLas laser sensor technology, detecting the microbial content and particle number in water and air.



Water Activity Testing

Use the mirror condensation sensor or temperature and humidity method to detect water activity in solids and effectively evaluate the level of microbial contamination within a predetermined period.

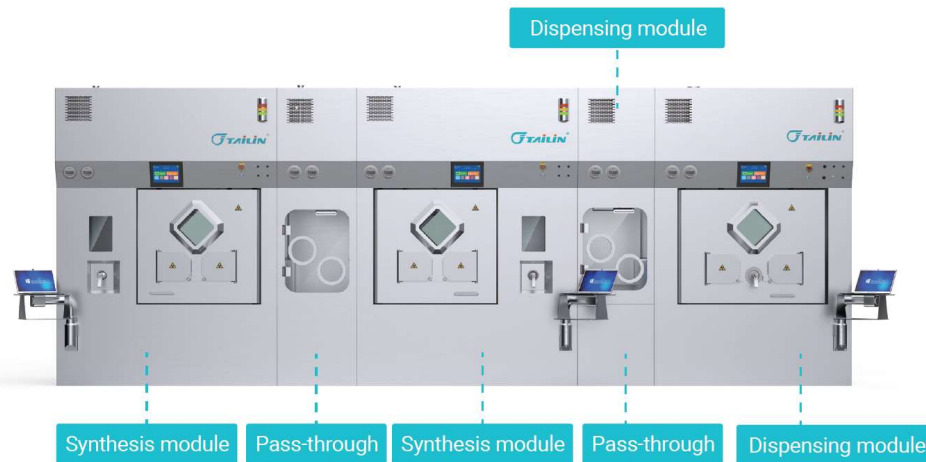


Radiopharmaceutical Equipment

Business: It offers solutions for the production and quality control of radiopharmaceuticals, meeting the highest industry standards to ensure the safe and efficient manufacturing of nuclear medications.

Products: Aseptic Hot Cell, Automatic Sterility Test Workstation, QC Analytical Workstation

GMP Grade Production Solution for Sterile Radiopharmacy



Hot Cell for Radiopharmaceutical Sterile Production



Automatic Sterility Test Workstation



QC Analytical Workstation

- Participated in the Development of products related to the life support system for astronauts



- Successfully completed the safety and security missions of Shenzhou -13, Shenzhou- 14, Shenzhou-15,Shenzhou-16 astronauts.



Public Biosafety

- Tailin VHPS equipment played an important role in disinfecting the critical areas such as hospital isolation wards, ICUs, biosafety laboratories, and ambulance during the Ebola & H7N9 outbreak.



Thanks Letter from the State Council of China

国务院应对新型冠状病毒肺炎联防联控机制(医疗物资保障组)

感谢信

浙江泰林生物技术股份有限公司：
新冠肺炎疫情发生以来，在党中央、国务院的坚强领导下，按照国务院应对新型冠状病毒肺炎联防联控机制医疗物资保障组的统一部署，医疗装备行业闻令而动，识大体、顾大局，同各战线一道紧急驰援疫情重点地区，努力打好医疗装备保供攻坚战，医疗装备实现从“总体紧缺”到“总体紧平衡，个别短缺”，再到疫情重点地区“应配尽配”，为打赢疫情防控人民战争、总体战、阻击战作出了积极贡献。

Honorary Certificate of Wuhan Red Cross Society



2020 COVID-19 Anti-epidemic Pioneers

- Tailin sterility test isolator used in clinical work of covid-19 vaccine.



Assist in COVID-19 Vaccine Research & Production

- Participate in the construction of vaccine workshop in Wuhan Institute of China Biotechnology to serve the national anti-epidemic work and ensure people's life safety.



THANKS

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