



# UPTON Profile

Flying with your Dream, Together! To be the best of yourself!

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● Company Profile ● Our Cases



• About Us

• Our Industry

• Projects Presentation

• Market Analysis



| About Us ▶

# This is our story

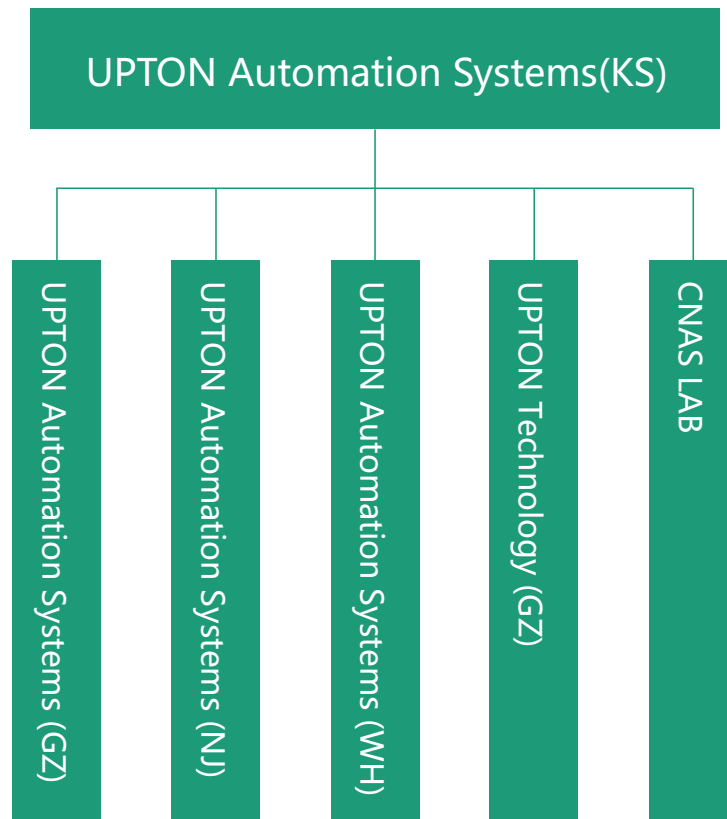


Upton Automation Systems Co., Ltd., founded in 2005, is a high-tech intelligent equipment group enterprise with automated assembly and testing lines as its main business, which can provide complete solutions for Industry 4.0 and digital intelligent factories, and is a world-class assembly and testing solution provider.

Our customers are mainly concentrated in the automotive field, and since its establishment, we have successfully provided complete production line solutions for many automotive OEMs and parts suppliers, and have become the best choice for domestic substitution in the field of assembly and testing. At the same time, our products are also exported to Europe, America and Southeast Asia.



Flying with your Dream, Together! To be the best of yourself!



# These are our factories

Kunshan Factory (HQ)



Guangzhou Factory

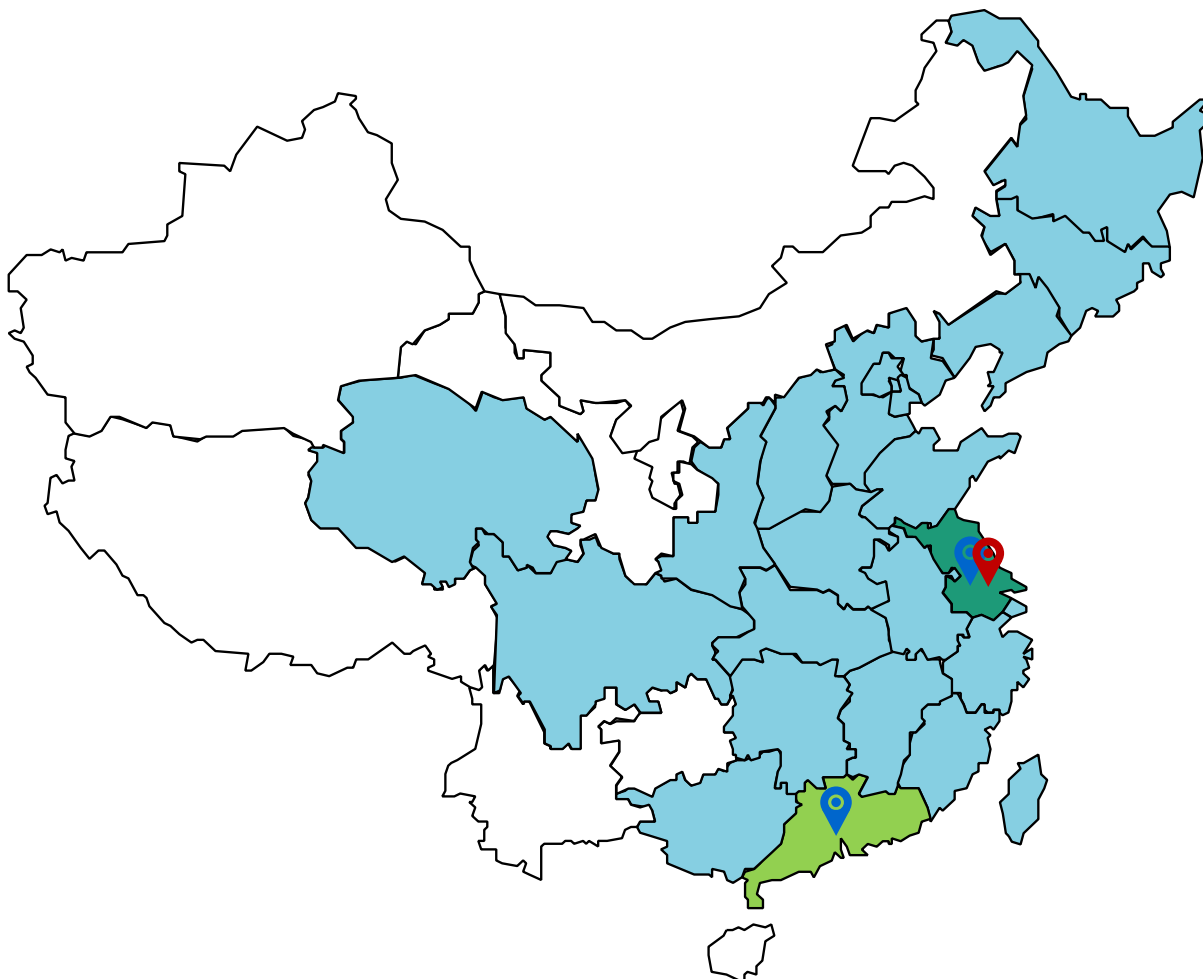


Nanjing Factory





# Business Area



Headquarters

Factory

Business Area

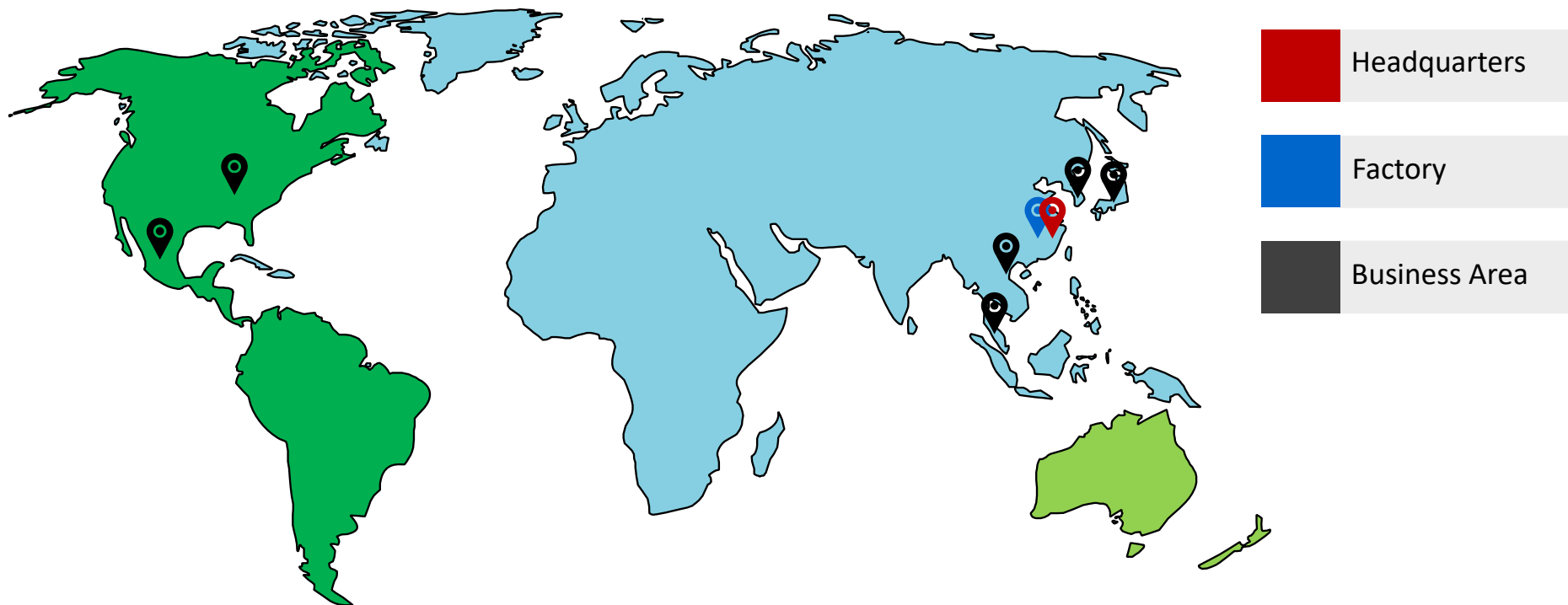
KS  
Factory area: 17000m<sup>2</sup>  
Employees: 300+  
Output Value: 280'000'000+RMB

GZ  
Factory area: 4000m<sup>2</sup>  
Employees: 150+  
Output Value: 120'000'000+RMB

NJ  
Factory area: 11000m<sup>2</sup>  
Employees: 40+  
Output Value: 30'000'000+RMB



# Business Area



## WHAT MAKES US DIFFERENT?

UPTON always focuses on improving internal quality and strictly requires every employee to be diligent, responsible, and strive for perfection.

UPTON always cares about the feelings of every customer, and strives to gain your valuable trust through pragmatic, responsible, sincere, proactive, and proactive approaches.

UPTON advocates for happy work and happy life.

UPTON has a professional team that unites and collaborates towards a common goal.

01

Focus on the future

02

Simplify the process

03

Efficient execution

04

Quality makes for brand



# This is our development

Upton Technology was established in Guangzhou in 2005.



START

2005

2006



Starting to develop own brand air leak testers.

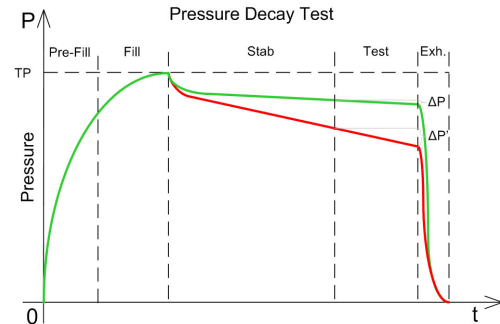
# This is our development

Upton (Kunshan) factory was established.



2011

2017



Pressure decay leak test technology has received national acceptance

# This is our development

Upton (Wuhan) was established.



2017

2021



CNAS laboratory approved

# This is our development

Upton (Kunshan) move to the new factory.



2021

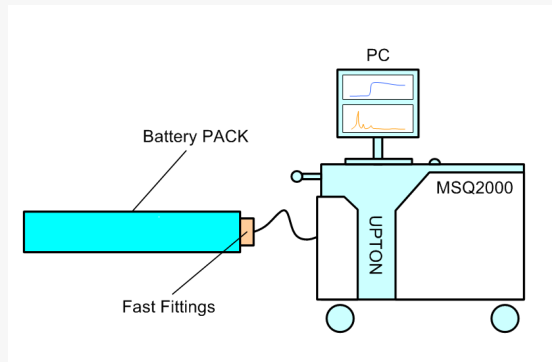
2021



Upton (Nanjing) factory started operation.

# This is our development

Introducing RGA into the leak test of electrolyte



2022



2023

New Beginning, New Journey

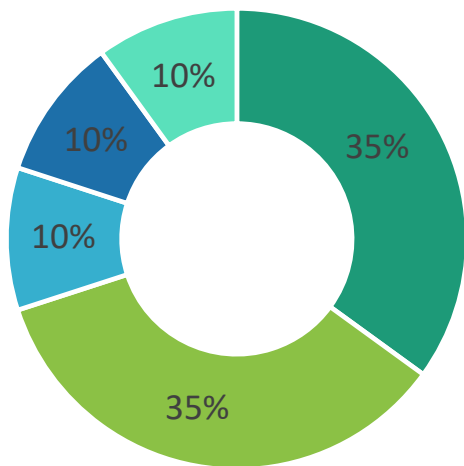
New Epoch, New beginning

**This is our team**





# Proportion of Team



01

## TECHNICAL TEAM (120+)

Mechanical Engineer, Electrical Engineer, Visual Engineer, Software Engineer, Hardware Engineer, Technical Service Engineer ...

02

## MANUFACTURING TEAM

Assembly Technician, Machining Technician ...

03

## PROJECT MANAGEMENT TEAM

Experienced project management team.

04

## SALES TEAM

Regional Sales Manager, Technical Service Engineer

05

## SERVICE TEAM

They are the guarantee of our operations.





# Business Segments

We have a research and development team of more than 100 people, which can meet the needs of many aspects of the factory.



## Assembly and Test Production Line

Assembly and Test Line for  
Automobile Parts



## Function Test Equipment & Instruments

Leak/Pressure/Flow/Function Test

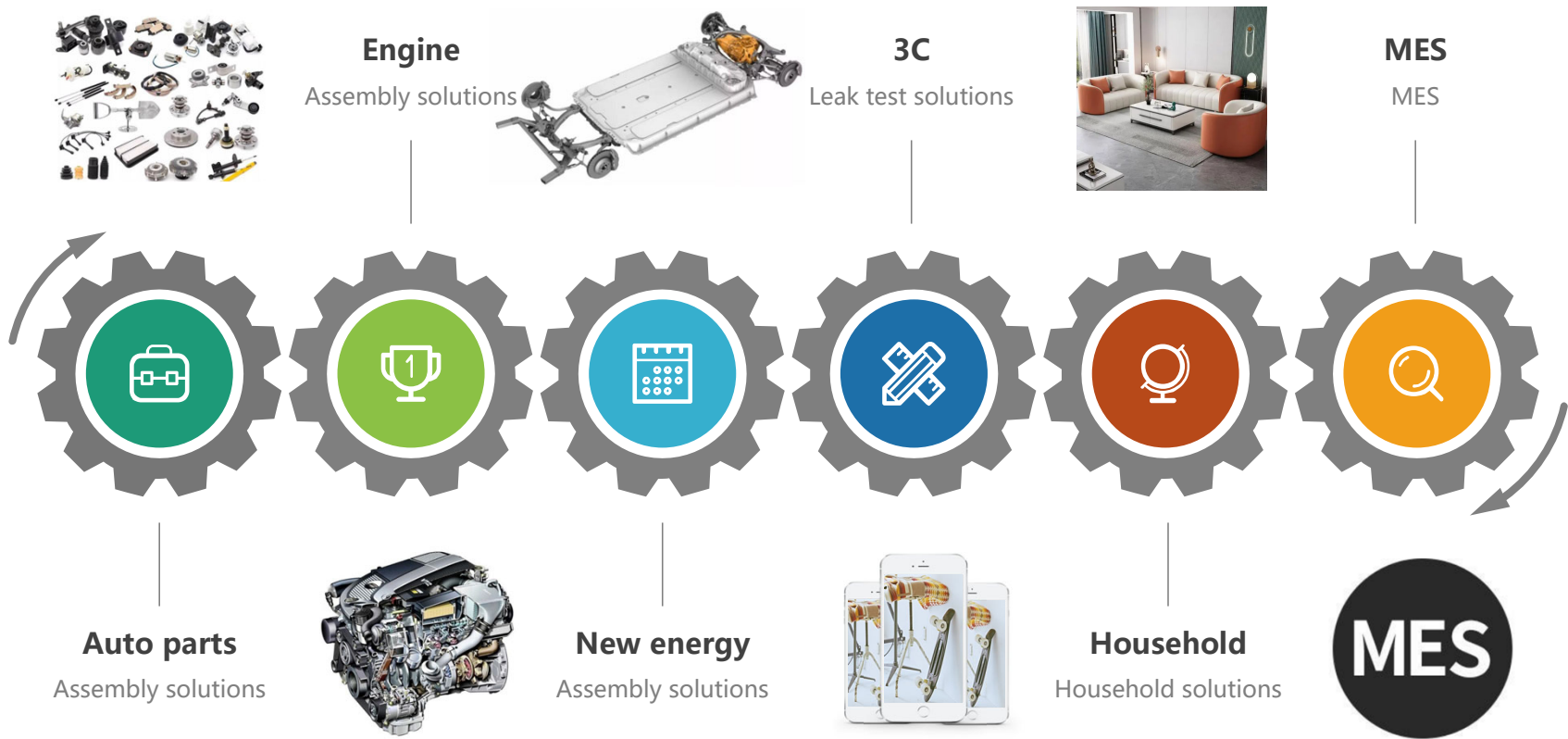


## Software & MES Systems

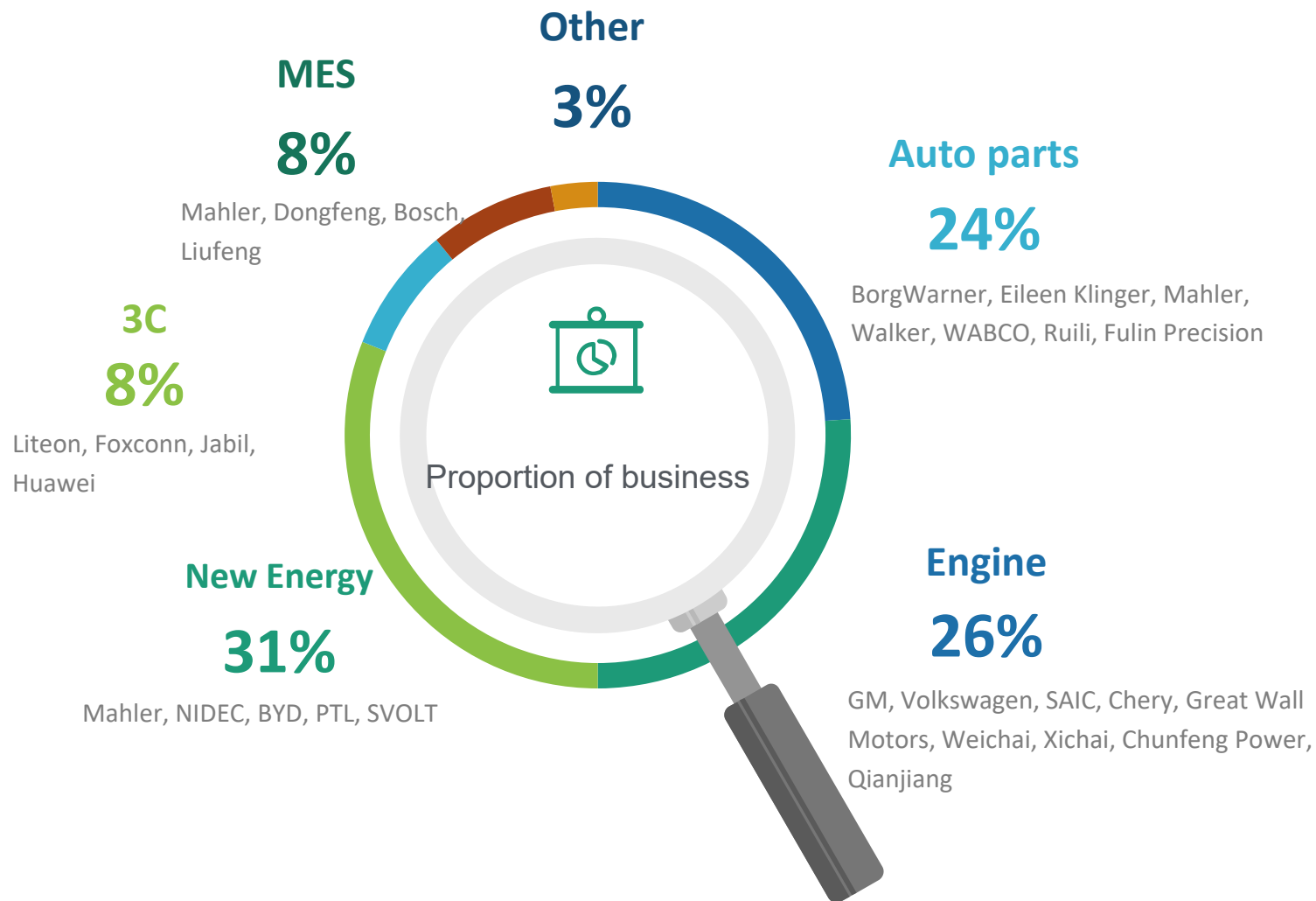
MES and Data Trace Systems



# Business Categories

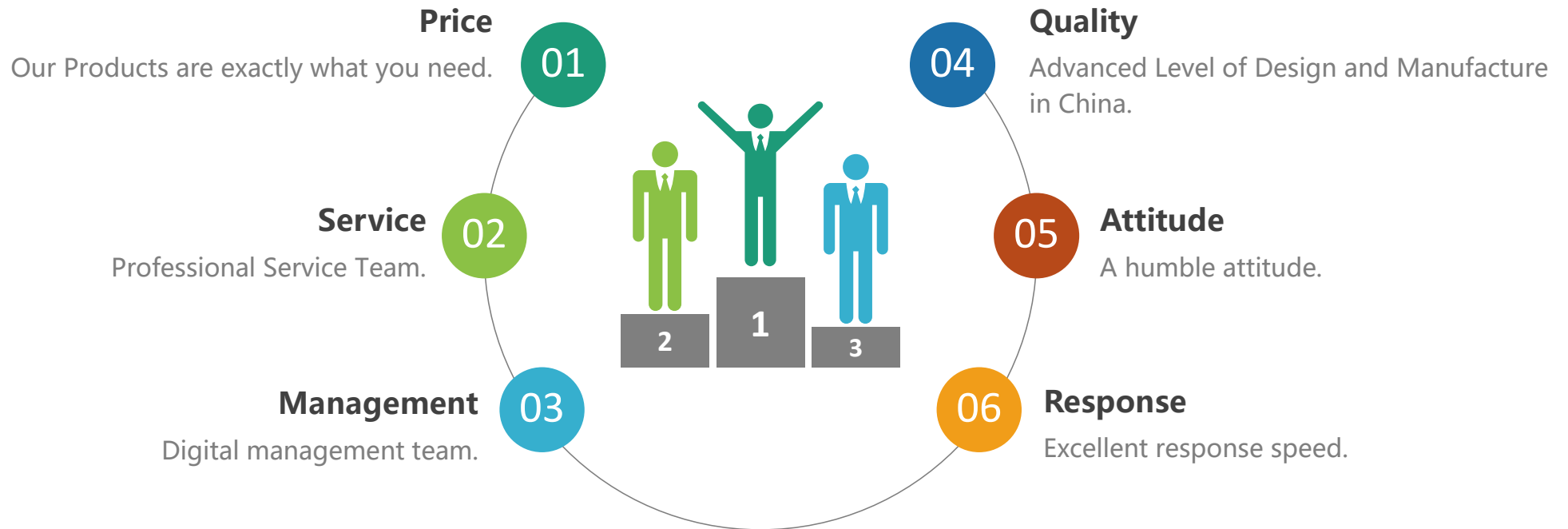


# Proportion of Business - 2021年





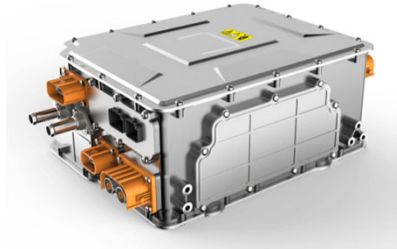
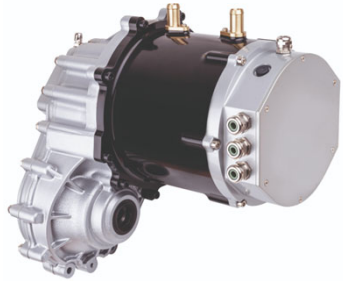
# Advantages





## Project Presentation ▶

# Assembly line for Motor and driver



## Description

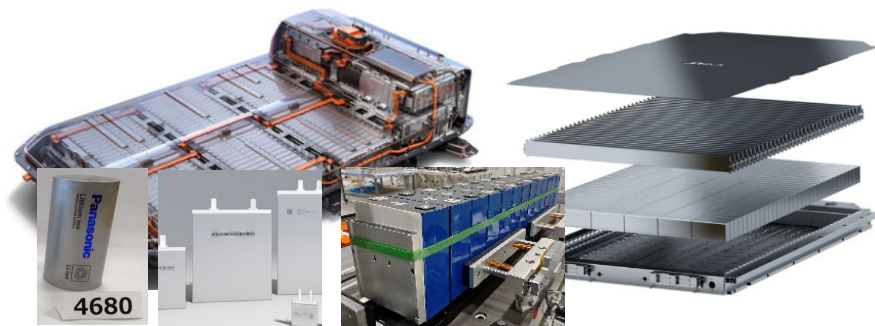
The production line is used for the assembly and testing of electric control systems for new energy motors.

- ✓ New energy drive motor, 48V mild hybrid motor, flat wire motor.
- ✓ Motor controller.
- ✓ 2-in-1 system, 3-in-1 system.



Case clients: NIDEC, LinControl, TONGYU, WDS, BYD

# Assembly & test line of cell, Module and Pack-1



## Description

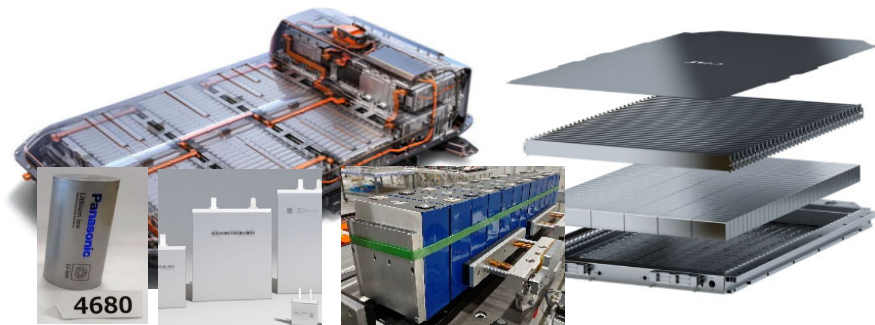
The production line is used for the production of battery cells (soft pack, cylindrical and square shell), modules and battery packs for new energy vehicle power batteries, drone batteries and energy storage batteries.

- ✓ New energy battery cell testing line;
- ✓ Battery module assembly line;
- ✓ Flexible battery PACK production line.



Case clients: PTL, Soueast Motors, BYD, East, etc.

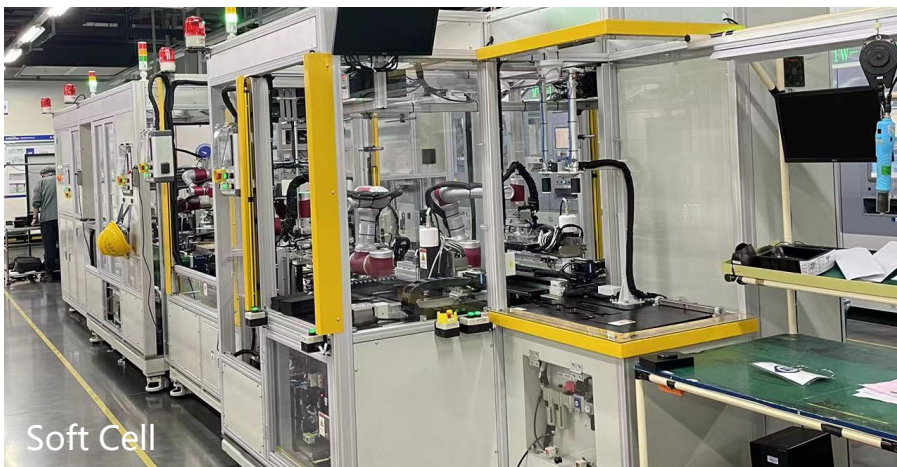
# Assembly & test line of cell, Module and Pack-2



## Description

The production line is used for the production of battery cells (soft pack, cylindrical and square shell), modules and battery packs for new energy vehicle power batteries, drone batteries and energy storage batteries.

- ✓ New energy battery cell testing line;
- ✓ Battery module assembly line;
- ✓ Flexible battery PACK production line.



Case clients: PTL, Soueast Motors, BYD, East, etc.

# Assembly line for engine



## Description

The production line is used for the assembly and inspection of engine cylinder blocks, cylinder heads, and assemblies.

The production line is used for the assembly and testing of motorcycle engines and assemblies.

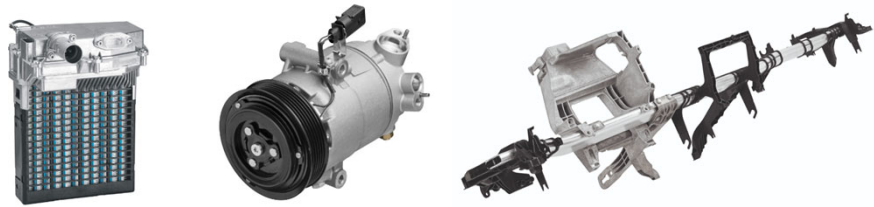


- ✓ Automobile engine cylinder block, cylinder head, gearbox.
- ✓ Motorcycle engine.
- ✓ Motorcycle final assembly.



Case clients: CHERY, WEICHAJ, FAWDE, Great Wall, CFMOTO, QJMOTOR

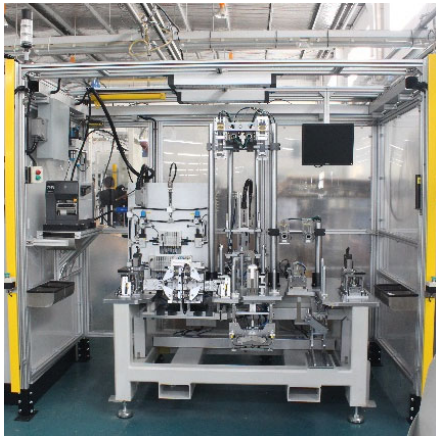
# Assembly line for New energy parts



## Description

The production line is used for the assembly and testing of electric control systems for new energy motors.

- ✓ PTC auxiliary heater, compressor. Lightweight automotive components.
- ✓ Rotary transformer,
- ✓ stator, rotor.



Case clients: BorgWarner, elringklinger, MAHLE

# Assembly line for Intake and exhaust system



## Description

The production line is used for the assembly and inspection of intake and exhaust system components.

- ✓ Intake manifold, exhaust manifold, exhaust pipe, air filter, evaporator, vacuum actuator.
- ✓ EGR valve (exhaust gas recirculation valve), ECRV valve, turbocharger, air duct.
- ✓ Oil mist separator, cylinder head cover.



Case clients: BorgWarner BWI ,elringklinger, Hengst, Modine, Noveastern, Huapei, Huatao, Shentong



# Assembly line for Brake system



## Description

The production line is used for the assembly and testing of brake system components for automobiles and trucks.

- ✓ Brake caliper.
- ✓ Vacuum booster, brake adjustment arm.
- ✓ ABS, Electronic actuators.



Case clients: GM, ZF, WABCO, RULI GROUP, ZHONGBO, BYD, YATOMI

# Assembly line for water and oil system



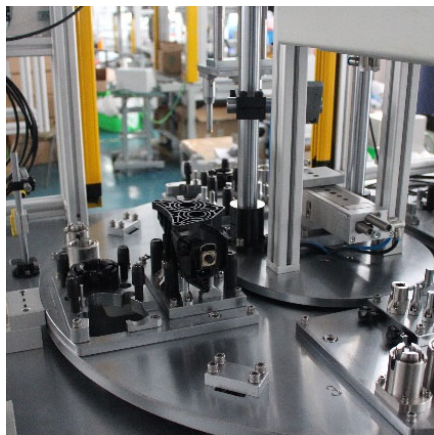
## Description

The production line is used for the assembly and inspection of water, oil, and fuel system components.

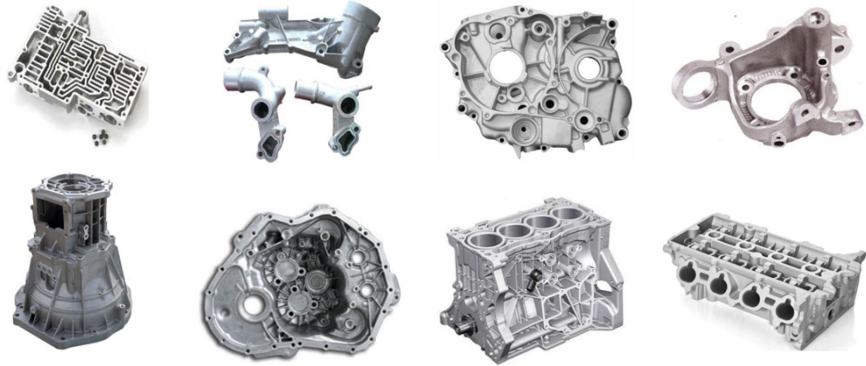
- ✓ Traditional water pump, electronic water pump.
- ✓ Electronic oil pump and oil filter.
- ✓ Thermostat, electrical thermostat, electric compressor, thermal management module.
- ✓ Fuel pipes, fuel distribution pipes, various water pipes, and oil pipes.



Case clients: ITW, TI, FULIN P.M., BorgWarner SL, NANYANG MOTOR, FEILONG, HENGXIN, INZI, Sanda, Yada, LINGLONG



# Assembly line for casting



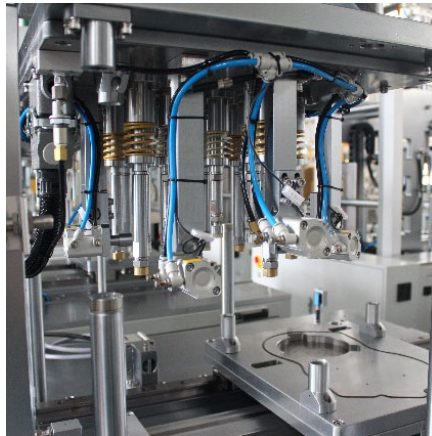
## Description

The production line is used for the assembly and inspection of die-casting parts.

- ✓ Transmission housing, clutch housing, torque converter housing, etc.
- ✓ Transmission valve plate, clutch valve plate, etc.
- ✓ Chassis components such as steering knuckles, shock absorbers, and control arms.
- ✓ Engine cylinder block, cylinder head, cylinder head cover, etc.



Case clients: PGI, YUJIANG, LIUFENG, Saint Jean, WLY, MILLISON



# Helium & hydrogen leak test equipment

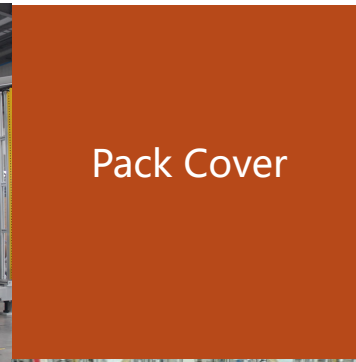
Fuel Tank



Compressor



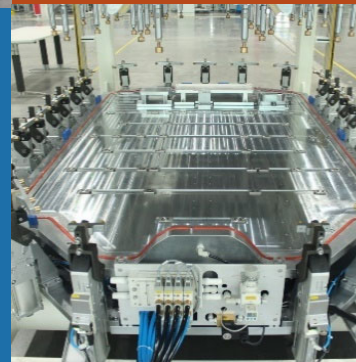
Pack Cover



Car Rim



Pack Housing

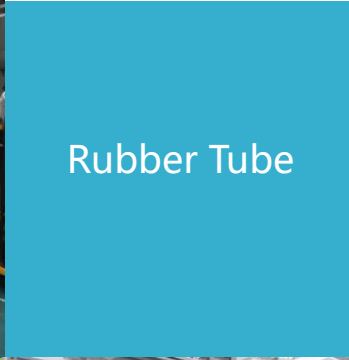


# Helium & hydrogen leak test equipment

Airbag



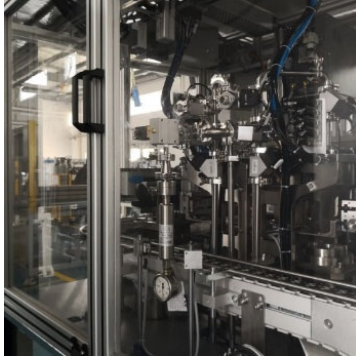
Rubber Tube



Cooler



Fuel rail



Filler Tube

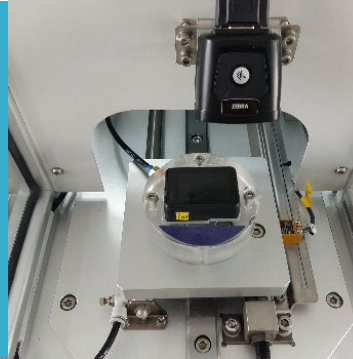
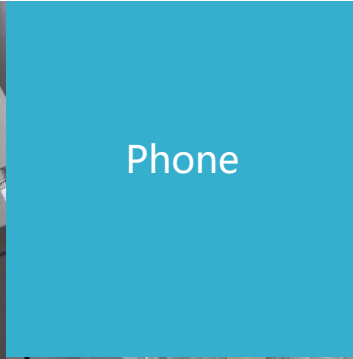


# Leak test equipment for 3C

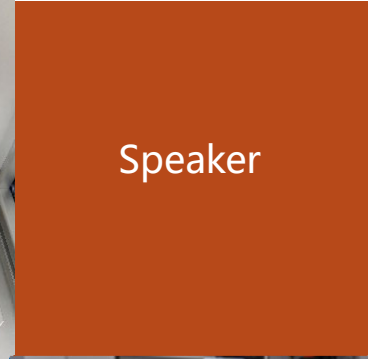
Watch



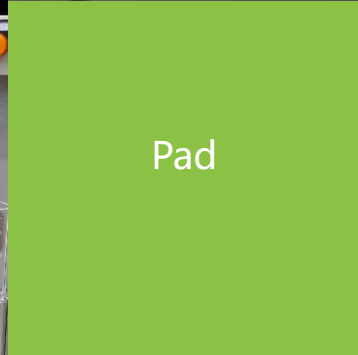
Phone



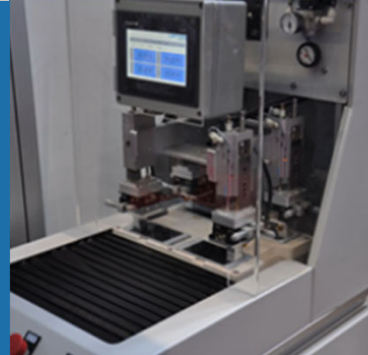
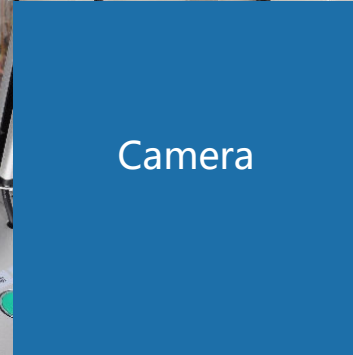
Speaker



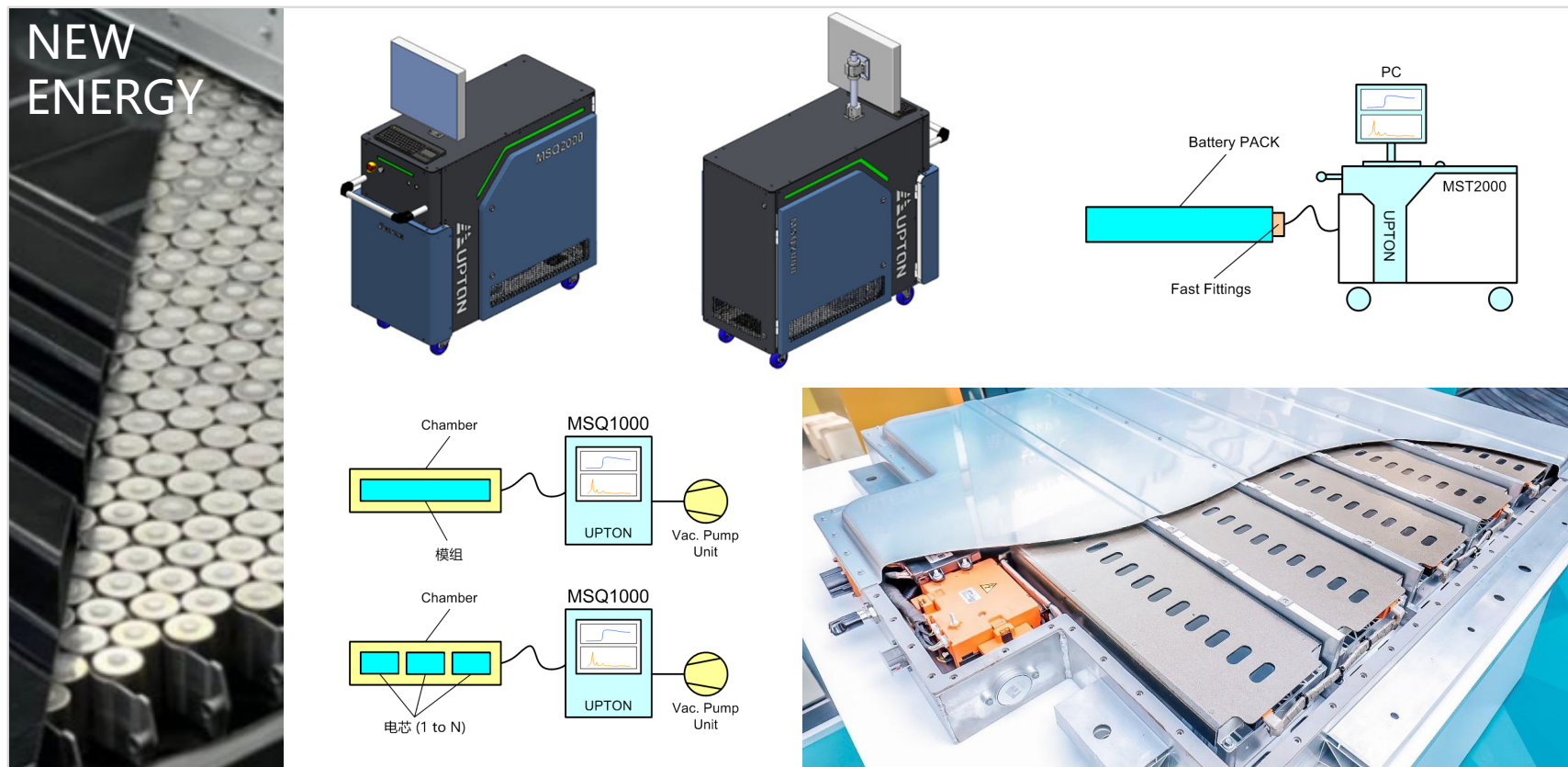
Pad



Camera



# Mass spectrometry products



One stop (Electrolyte leak) leakage detection solution for lithium batteries

# Mass spectrometry products



Lithium battery mass spectrometry (Electrolyte leak) leakage detection equipment



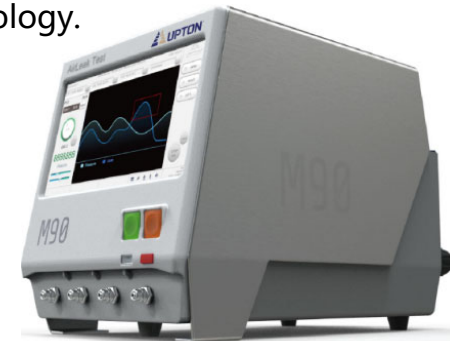
# PROVIDING WORLD CLASS LEAK DETECTION AND SYSTEM INTEGRATION SOLUTIONS

## 提供世界一流的泄漏检测和 系统集成解决方案

上海捷测试系统是世界领先的汽车检测  
和定制测试解决方案和制造商。

## CCIT field airtightness testing (M90)

The M90 drug packaging sealing tester is an advanced high-precision non-destructive testing method that accurately measures the pressure or flow rate of air molecules escaping from packaging defects, and then qualitatively and quantitatively analyzes the sealing integrity of the packaging. The development of this instrument is based on our accumulated core technological achievements, such as "high-precision integrated gas path micro leakage detection technology, a single valve core pneumatic control valve, a signal acquisition circuit", and optimized for pharmaceutical packaging scenarios. The core components are all independently developed, among which the leak free valve uses pneumatic energy, which significantly reduces heat generation compared to electrically driven valves. The differential pressure sensor is tuned to a small range with high resolution, and combined with the independently innovated dual balanced gas path technology, it does not exceed the range and greatly improves the sensitivity of micro leak testing. The components of the test circuit are all equipped with non threaded full surface contact sealing technology.



## Power Battery Pack Leak Tester (S30)

The portable, low-power, and high-performance design is mainly used for quality monitoring of finished products in new energy vehicle 4S stores and production lines. After long-term research and development and a large amount of on-site testing data, S30 has built in a large number of testing parameters for vehicle models (power battery packs), and can fully automate standardized testing processes such as pressure control, testing, and data reporting. The instrument not only has a large touch screen for image human-computer interaction, but also has data transmission and remote control capabilities through WIFI networking. Engineers can efficiently and standardly complete in car/out of car inspection of various power battery packs.





Broad Prospects ▶





## Core Competitiveness

- 1) The team has been in the field of air tightness testing since 2002, deeply cultivating for more than 20 years and still focusing on this area! Integrating high-tech talents in marketing, sales, research and development, and production.
- 2) Responsibility lies with us, and we have always maintained a high level of sensitivity and insight in this field!
- 3) Emphasize the construction of intellectual property rights and respect intellectual property rights;
- 4) The company regards the work in the field of instrumentation as its top strategic priority, with guaranteed investment in research and development;



## Market Analysis

- 1) The country's emphasis on the automotive industry, especially in the field of new energy, has led to a promising future;
- 2) The development of demand for power batteries has made the battery industry have broad prospects;
- 3) Our company has high R&D investment, rich technological achievements, and obvious technological advantages in core products



# Contact Us

01

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02

**Group Sales**

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Website: <http://www.upton.cn>  
Sales Line: 4000-821-128

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04

**Upton Automation Systems (Nanjing) Co., Ltd.**

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**Upton Automation Systems (Wuhan) Co., Ltd.**

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**Upton Technology (Guangzhou) Co., Limited**

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# Thanks!

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● Company Profile ● Our Cases