

Solutions for your needs



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Upton Automation Systems Co., Ltd. (Kunshan/Guangzhou/Wuhan/Nanjing)

The Application for  
**Die-casting Industry**



# ABOUT US

Upton Automation Systems Co., Ltd., after more than 20 years of development, has grown into a high-tech intelligent equipment group enterprise focusing on automated assembly and testing lines, especially in the field of leak testing, whether it is air pressure, helium tracer and electrolyte leak test, It has its own unique technical advantages. The UPTON vision is to be the trustworthy partner, supporting customers in China and global markets. Our high-quality, customized solutions for assembly automation systems are not only realized in consulting and engineering. We also build both fully automated and semi-automated assembly lines providing a complete turnkey solutions.

The lean corporate structure of Upton Automation Systems Co., Ltd., rich professional technical knowledge and an international quality management system make us a valuable partner that can react quickly, efficiently and flexibly to the needs of our customers.

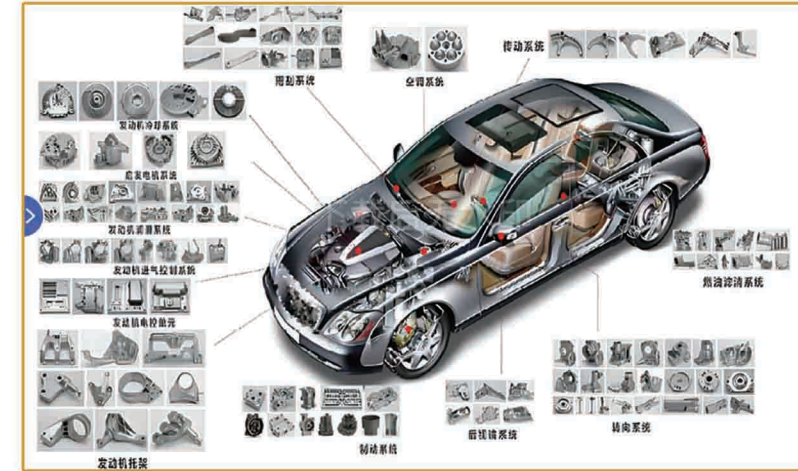
All advanced concepts behind UPTON are professionals with many years of experience in the automation industry. Our employees are trained specialists in their field.

## Summary of Die Casting Industry

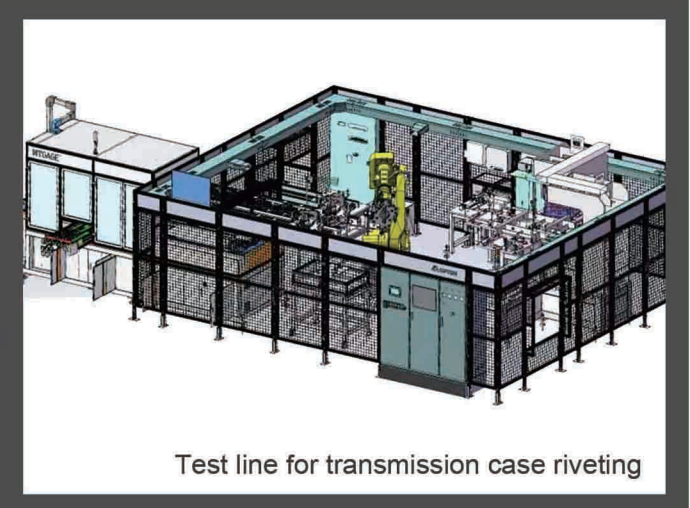
Die casting is one of the most advanced metal forming methods, an effective approach to achieving minimal and even zero cutting. It boasts a wide range of applications and rapid development, serves as a fundamental industry for industrial progress, and is extensively used in the production of components and parts across various sectors such as automotive, aerospace, electronics and electrical appliances, and medical care.

The die-casting market is guided by the automotive industry, with the characteristic of centralization initially emerging. The die-casting industry is closely linked to the automotive industry and serves as an important pillar of it. In recent years, the rapid development of the automotive industry has driven the drastic expansion of the die-casting market and endowed it with broad development prospects. Nowadays, with the advancement of automotive manufacturing technology, die-cast parts are facing new technical challenges, and the pattern of the die-casting industry is undergoing tremendous changes.

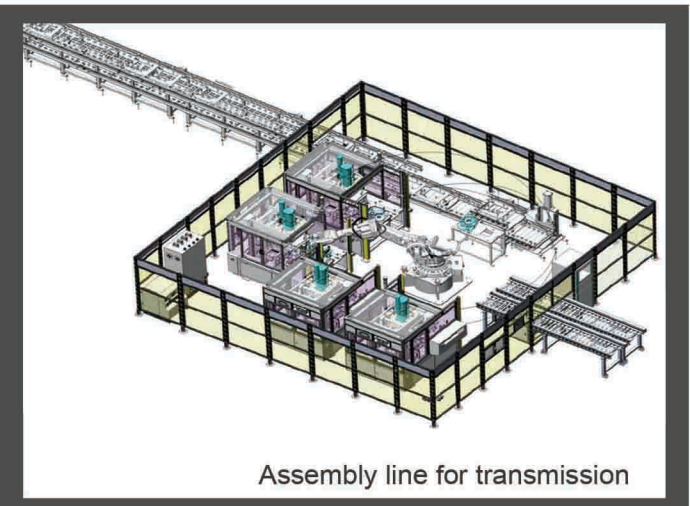
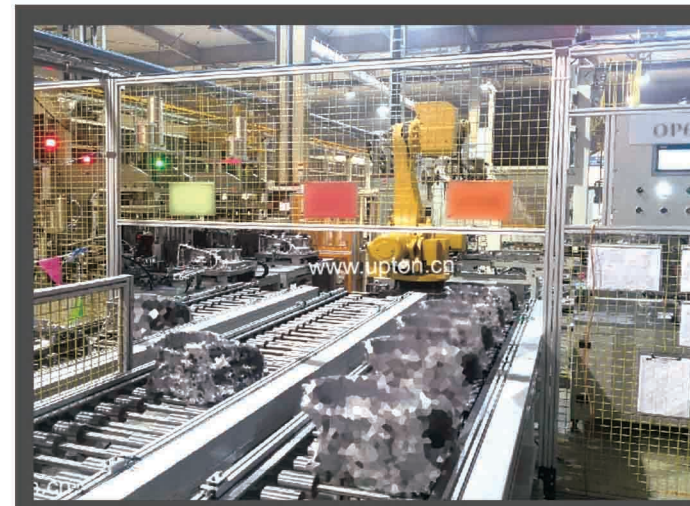
The R&D team of Upton has designed a complete set of automated production line solutions for die-cast components, covering multiple links such as assembly, testing and data processing.



## Our Cases



Test line for transmission case riveting

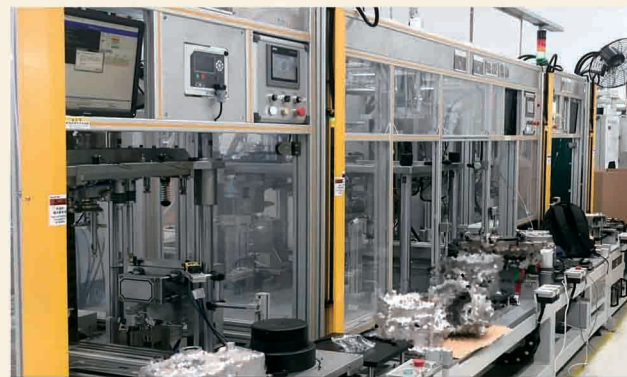


Assembly line for transmission

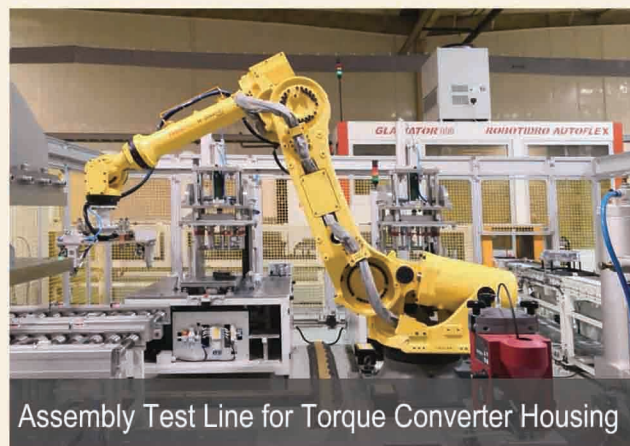




Test Equipment for Cylinder Block and Head



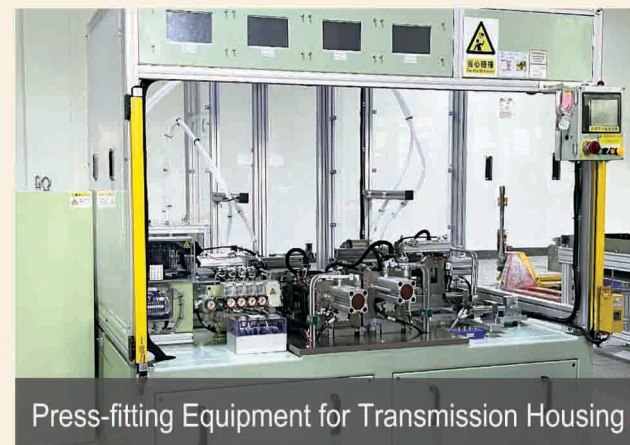
Test Line for Motor Housing



Assembly Test Line for Torque Converter Housing



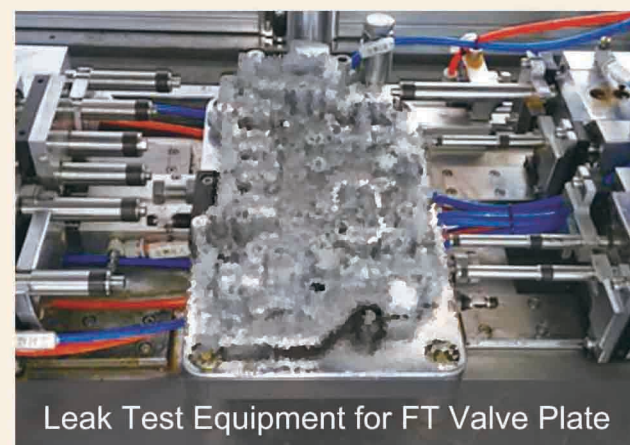
Assembly Line for Rotor



Press-fitting Equipment for Transmission Housing



Leak Test Equipment for EGR Valve

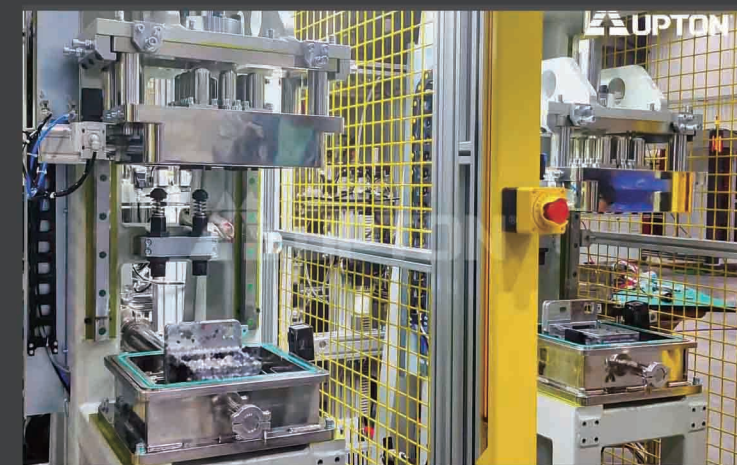


Leak Test Equipment for FT Valve Plate



Leak Test Equipment CVT Housing

## Application Cases of Helium Detection



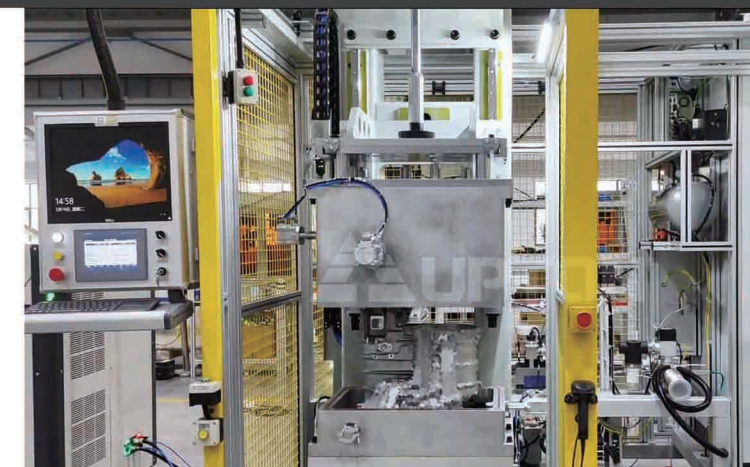
Helium Leak Test System for Thermal Energy Housing



Helium Leak Test System for PACK Box



Helium Leak Test System for Integrated Housing



Helium Leak Test System for Motor Housing



Helium Leak Test System for Oil Cooler



Helium Leak Test System for Condenser