



How Leybold supports Beijing Xinke New Science and Technology Company in facilitating research and innovation



Innovation is reshaping our world at remarkable speed

Behind many of today's breakthroughs from medical research to advanced manufacturing, high performance vacuum technology plays a vital role. Beijing Xinke New Science and Technology Company has become one of China's trusted names in the field of calibrating test leaks, designing custom vacuum systems that support universities, aerospace facilities, medical device plants, and R&D centers.

At the heart of their work is helium, a rare and thus expensive resource used for ultra sensitive leak detection. With growing demand for helium calibration facilities, **Beijing Xinke needed a solution that could deliver reliable results. For this task, Beijing Xinke turned to Leybold's LEYSPEC RGA.**

The role of Leybold's LEYSPEC RGA Series in Beijing Xinke's system

To meet these demands, Beijing Xinke integrated Leybold's LEYSPEC Residual Gas Analyzers (RGAs), including the LEYSPEC 300 and LEYSPEC 100. The LEYSPEC RGAs measure helium signals on calibration setups. At this point, the LEYSPEC RGA detects the ion current signal corresponding to the helium flow.

With the two ion current signals separately measured, the leak rate of the test leak is derived through comparative calculation, completing the calibration of the test leak.

Why Beijing Xinke Chose Leybold

The LEYSPEC RGAs offer clear technical advantages by combining an intuitive display, a built in full range vacuum gauge, and over pressure protection for safer, more reliable calibration. Its advanced software also allows simultaneous monitoring of multiple units, streamlining complex measurements.

Just as important, Leybold brings deep vacuum expertise, decades of innovation, and a global service network, giving Beijing Xinke the long term support needed to deliver future ready solutions in industries where performance and uptime are essential.

A Partnership for High Vacuum Performance

By using Leybold's LEYSPEC technology, Beijing Xinke enhances its ability to provide efficient and resource conscious helium calibration. This partnership strengthens high vacuum performance across China's research and manufacturing sectors, ensuring customers operate with greater confidence.