



# Vacuum gauge calibration systems

## Custom engineered vacuum solutions

The Pfeiffer Vacuum Indianapolis facility has been building instruments and complete leak detection systems for over 25 years. With our expanded facility of over 35,000 sq./ft., in-house design and engineering expertise and decades of experience, we are very well positioned to help you with your next custom vacuum gauge calibration system.

As with any measurement tool, high accuracy is important and has direct impact on the quality of the manufactured products, the validity of scientific experiments and the reliability of the equipment. Pfeiffer Vacuum recognizes that vacuum pressure gauges must be calibrated regularly.

## Calibrate instead of having it calibrated

Calibration of your measuring instruments by an external vendor can be time-consuming and costly, especially when there are a large number of gauges to be tested or short calibration intervals are needed. Having an in-house calibration pumping station can lower cost and provide a faster turnaround. Pfeiffer Vacuum gauge calibration systems are designed for verification of multiple gauges in a variety of vacuum ranges. We offer a range of models at a variety of price points for different levels of automation.

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## Options:

Pfeiffer Vacuum offers several standard models depending on your specific application. They range from low throughput, economical basic station to a turnkey fully customizable automated station.

## Basic:

With the economical basic station, the base pumping system is the popular HiCube station consisting of the HiPace 80 turbopump and a dry diaphragm pump. The gauge calibration chamber is connected to the turbopump via a butterfly valve, so that with a manual valve, pressures from atm to  $10^{-7}$  Torr can be reliably achieved.



*Economical manual operation*

## Advanced:

The advanced calibration station is on a more rugged frame with a DUO3 backing pump for higher throughput applications. A turbopump bypass valve is utilized so that higher pressures can be easily achieved. This station has an option for 12 gauge ports and a 6-gauge controller that can be mounted on the front panel. While this station does include a standard manual gas doing valve, there is an option to mount an automated pressure controller, RVC300.

*Cost effective, high throughput*



## Custom:

The custom station is a configurable platform where any roughing pump and turbopump can be mounted to meet your requirement. The standard dish style chamber or any type of chamber can be utilized to meet the requirement of the application. We can pre-mount the RVC300 with automatic gas dosing valve and any gauge controllers as part of a turnkey solution.



*Automation, high throughput: calibration stand photo with controller*

**These are just a few of the gauge calibration systems we have built for companies like yours. Contact Pfeiffer Vacuum today and tell us about your custom engineered vacuum system requirements.**



**Are you looking for a perfect vacuum solution?  
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