

Customization

Xyztec has the expertise and knowledge to create unique solutions for any bond testing requirement:

- Tools for shear, pull/push, studs, cut, scratch, tweezer tips et cetera
- Work holders, masks/inlays, jaws et cetera
- Custom options like cameras, debris bins and covers
- Automation or inline options
- Complete bond testing systems

High temperature bond tester

Heated stage

Warm up your samples to high temperatures to test epoxied or soldered interconnections. Especially useful for shear testing on large rectangular glass carriers.

Full protection

The (hot) panels are easy to handle by using the sample carrier and cooling down rack. Triple heat shielding around the test head makes sure that the prolonged high temperatures do not affect the inner working of the Sigma bond tester.

Quick and uniform warm-up

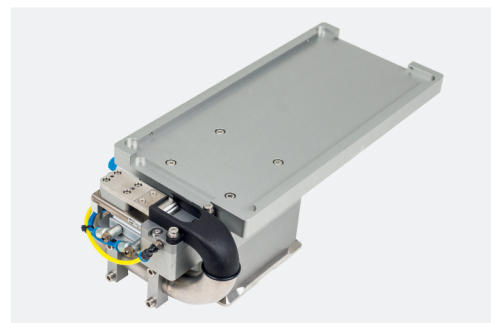
An extremely flat aluminum table delivers a perfect vacuum. With 27 heater elements in 7 different control groups, the Sigma quickly warms up its table and the sample with high accuracy and consistency.



Vacuum-safe shear testing work holder

Using a vacuum, the work holder applies a negative pressure region over the shear testing site. The vacuum removes any hazardous materials generated in the test process to ensure a clean and safe environment.

The work holder seamlessly integrates with existing part requirements and cleanroom infrastructures. In addition, it is possible to customize both the waffle-pack dimensions and vacuum connections to support all needs.



Battery solutions

Bench-top solution for battery modules

Test entire battery modules without the need to manually rotate the module mid-testing. A Sigma W12 with a custom slider work holder allows testing throughout the battery module. An ideal solution for R&D to test batteries that would not fit a standard Sigma bench-top system.

Sliding work holder enables bigger batteries

A custom pneumatic stage extension on a bench-top Sigma W12 increases the testable reach in X beyond the standard 600 mm to a maximum of 900 mm, allowing automatic testing across the entire battery module.



Work holder for heavy applications

Easily test heavy applications such as battery packs using custom work holders and extra support on a Sigma platform. The quick clamping solution allows for easy and repeatable positioning of a battery pack module. We offer bond test systems for all battery pack sizes, including bench-top and floor model solutions.

