

A new method of testing the seal and adhesive quality of lid encapsulated devices - picture of both sides of the failed device

Lid pull test by mechanical grip method

- Eliminates need for disposable metal block/studs and adhesives
- No handling of adhesives in production environment with the risk of clean room contamination together with operator and equipment safety
- Very precise alignment of the studs to the device
- Quick to perform
- Sensor accuracy $\pm 0.075\%$



Lid pull on Condor Sigma with Revolving Measurement Unit (RMU)

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- Taiwan
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- USA: California
- USA: Massachusetts
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Bond testers

- Condor *Sigma*
- Condor *Sigma Lite*
- Condor *Sigma W12*
- Condor *150HF*

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Technology leader in bond testing worldwide

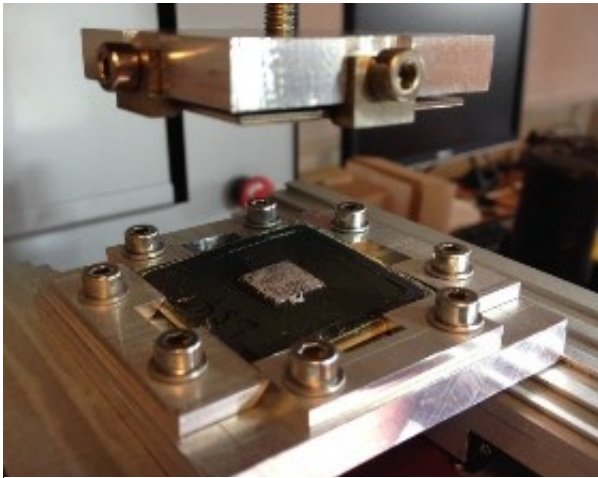


Lid pull made easy

Typically this test is done by stud pull and gluing the lid and base of the device to two blocks of metal with screw holes in them that are used to apply the pull load. While XYZTEC of course offers **excellent solutions for stud pull**, the mechanical grip method is also worth considering for many bond tester users.

The new XYZTEC mechanical grip method consists of reusable parts that are accurately aligned the test load to the device. They can be quick release and in many cases handle a range of similar devices.

The lid and base of the device are gripped along their edges by side clamps.



The top and bottom parts of the have side grippers that respectively grab the lid and base

The grippers can be screw fixed as is this example or quick release with a single lever operation. When the gap between the lid and its base is very small some sample preparation will probably be required. In such cases a bench mounted preparation jig can be provided.

The bond can also easily be tested at elevated temperature by mounting either the lid clamp or base clamp onto a heated platform. See our extensive **range of work holders**.

Contact us

Did we catch your attention? Please **contact us** for more information, to request a demonstration or a quotation.

Relevant products

- **Condor Sigma**
- **Condor Sigma Lite**
- **Condor Sigma W12**

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- Condor 150HF
- Revolving Measurement Unit
- Sensors
- Tweezers
- Vision
- Software
- Calibration
- Work holders

Increase your bondtesting throughput

The **Condor Sigma** is not only the most accurate bondtester in the world, but also the fastest. [Click here to read the study that proves the Condor Sigma is up to 39% faster than the competition.](#)

Special applications

Please [contact us](#) if you have any questions or special bond testing requirements.

Condor Sigma brochure

[Click here](#) to download the **Condor Sigma brochure**, the **Condor Sigma W12 brochure** or the **Condor Sigma Lite brochure** or the **Condor Sigma Vision brochure (PDF)**.

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