



Stud pull with self aligning plate

Stud pull

- 고강도 adhesive 이 필요한 대부분의 Die pull 에 적용
- Die peel 을 방지하는 self aligning stud
- 센서 정확도 $\pm 0.075\%$
- 500°C 까지 온도를 올려서 테스트
- MIL STD 883 (methods 2011.9 destructive bond pull test and 2031.1 flip chip pull off test)
- Highly reproducible stud pull tests are possible

[Video not included in PDF: [click here to view online](#)]



Highly reproducible stud pull tests are possible

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The stud pull test is based on the principle that an adhesive connection is made with the carrier

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Other offices

- Germany
 - Taiwan
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 - United Kingdom
 - USA: California
 - USA: Massachusetts
 - Distributors

Bond testers

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

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(or object to be tested) by using a glue that is stronger than the bond that needs to be tested.

The **Condor Sigma** can be provided with a **micro dispenser** that can dispense very small drops of glue (micro liter amounts) very accurately and is cured with UV light. Combined with a **USB Tweezer** and special tips that look like the inverse of a mushroom, a glass stud can be taken from a magazine fully automatically and placed with a predefined pressure on the surface with the glue. [Click here to read all about this solution.](#)

다양한 분야의 Stud pull

Key pad 위의 Stud pull 테스트

얇은 die attach 에 대한 테스트

Stud pull 테스트는 FR4 보드에 pressed pins 또는 dies 테스트에 사용됩니다. Die attach 경우, work holder 에 clamp 되고 Stud 가 테스트되는 부분에 접촉됩니다. Stud 는 tweezer 또는 특별히 고안된 tool 에 의해 당겨집니다. Stud pull 적용에 따라 XYZTEC은 몇 g 에서 500 kgf 까지 해결책을 드립니다. Manual tweezer 는 40kgf 까지 테스트 가능하며, 옵션으로 파괴 모드분석과 동영상 촬영이 가능한 카메라가 있습니다.

See also: lid pull test by mechanical grip method

As an alternative to stud pull, XYZTEC developed the **lid pull test by mechanical grip method**. This approach eliminates the need for disposable metal block/studs and adhesives. Thus it is quicker, safer for operators and avoids clean room contamination. [Click here to read more about lid pull.](#)

Contact us

더 필요한 것, 견적서 또는 references 목록 등등이 있다면 [여기를 클릭하세요.](#)

Relevant products

- **Condor Sigma**
- **Condor Sigma Lite**
- **Condor Sigma W12**
- **Condor 150HF**
- **Revolving Measurement Unit**
- **Sensors**
- **Tweezers**
- **Vision**
- **Software**
- **Calibration**
- **Work holders**

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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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