

CBP Tweezer 夹子准备关上

## CBP 锡球/凸块夹拉力测试

- 锡球夹拉力测试
- 传感器精度±0.075%
- 做出有兴趣的失效状况,例如:IMC 连结失效或Pad 的坑
- 重新产生拉力负载,来模拟典型真实的失效状况
- 可以测试小于80µm 的锡球/凸块 ( 根据客户的球高和球径比率)
- 可以控制夹球时的夹力
- 可以控制夹球时的速度
- 可以控制夹球时的夹子开合的大小
- The **RMU** can hold up to 6 sensors in any combination, including up to 4 USB Tweezers
- 符合 JEDEC JESD22-B115, JEITA EIAJ ET-7407 and IPC-9708
- 非接触式夹爪残锡清除系统
- copper pillar 铜凸块测试

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

## How to: Cold Bump Pull

We have added an [extensive how-to on Cold Bump Pull \(CBP\)](#) to our website. By doing this we aim to spread knowledge about bond testing in the industry. [Click here to go there.](#)

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### Other offices

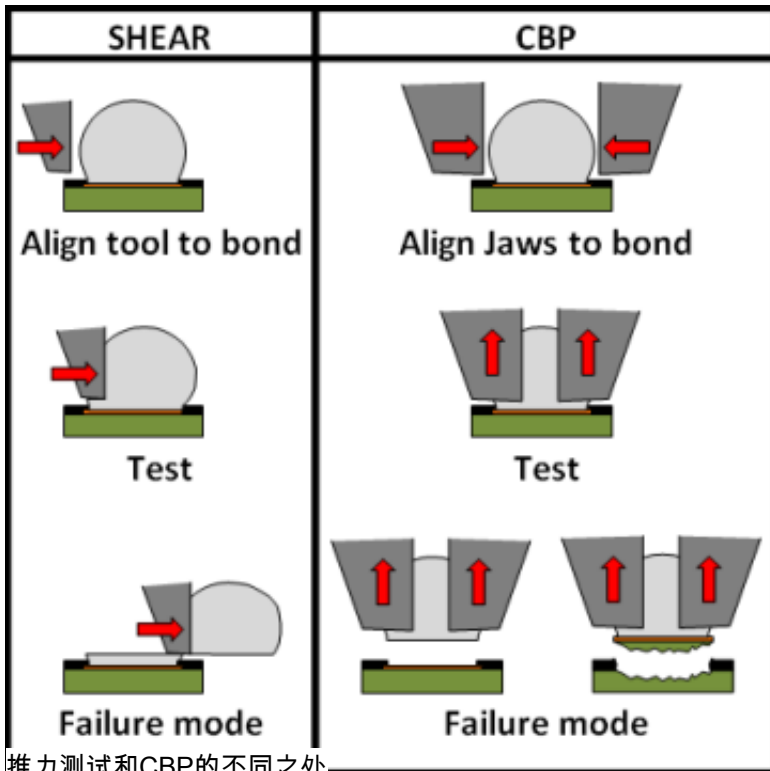
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### Bond testers

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

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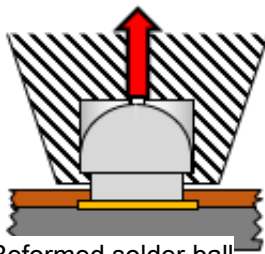
**Technology leader in bond testing worldwide**



推力测试和CBP的不同之处

## CBP的优点

使用 XYZTEC USB电动夹爪来执行夹拉力测试 (CBP),提供独一无二的准确性和控制能力. 多数锡球的连结在底部凹槽内,被形成在阻焊层. 在推力测试的过程,它也提供连结测试中的阻力,造成锡球推力测试的失效模式和结果影响.



Reformed solder ball

在拉力测试中,这个连结阻力却不会影响测试结果, 并有机会可以产生更多有意义的失效模式. 必需使用客制化的夹爪来夹拔锡球/凸块. 他们可以重新塑造锡球上端来确保拉力负载不会干扰到连结处.

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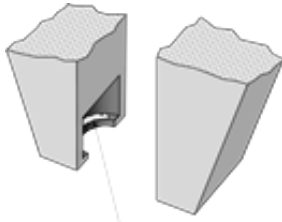
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残锡卡在CBP 夹爪的凹槽内

## CBP Jaw Cleaner

当越来越多的残锡累积在CBP 夹爪的凹槽内. 这会严重降低夹锡球时的效率, 并进一步影响你的测试结果.

可是清洁夹爪的凹槽是非常的困难, 而且小的夹爪又容易在传统工具清洁中被破坏.



USB Tweezers performing cold bump pull (CBP)

## Tweezers flyer

[Click here](#) to download the **Tweezer Solutions flyer** (PDF) by XYZTEC.

## 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
- Revolving Measurement Unit
- Sensors
- Tweezers
- Vision
- Software
- Calibration
- Condor Classic

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- Condor 150HF
- Work holders

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## Special applications

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

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## 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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## Representatives

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Click [here](#) to access the XYZTEC consumables webshop

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