



How to test bonds » Cold Bump Pull (CBP) » USB tweezers, test sequence recap

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8. USB Tweezers

XYZTEC's USB Tweezers have programmable control of all the features needed for CBP. These are;



USB Tweezers performing cold bump pull (CBP)

- Programmable open position
- Programmable touchdown force
- Programmable distance from surface
- Programmable constant grip force
- Programmable hold time
- Programmable return to start position
- **Automatic contactless CBP Jaw Cleaner system**
- **One RMU can hold up to 4 USB Tweezers**, enabling you to change cavity sizes or move to a spare tweezer at the click of one button

9. Test sequence recap

There are many ways the test can be set up but a typical test sequence is;

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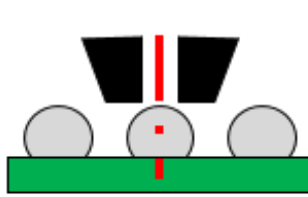
- Germany
- Taiwan
- Thailand
- United Kingdom
- USA: California
- USA: Massachusetts
- **Distributors**

Bond testers

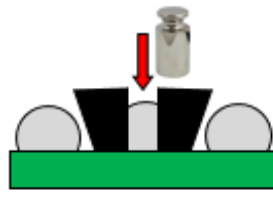
- Condor *Sigma*
- Condor *Sigma Lite*
- Condor *Sigma W12*
- Condor *150HF*

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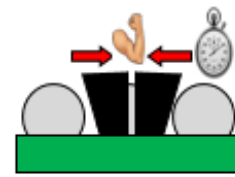
Technology leader in bond testing worldwide



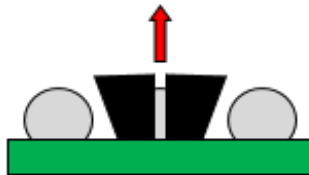
1. Alignment



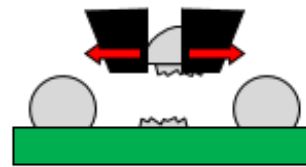
2. Programmable Touchdown force



3. Programmable closing force and hold time
Programmable time allows the ball to reform



4. Pull test



5. Open

Cold Bump Pull (CBP) test sequence

Continue to read:

Previous page: [Setting up and doing a test: closing time / landing force and alignment height / optimizing the test / test speed](#)

Next page: [What test force should I expect?](#)

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