



Condor Sigma bond tester

Full automation, 0.075% accuracy, best ergonomics, highest throughput, vision options, lowest cost of ownership, on board 10gf to 200kgf pull and shear sensors available at the touch of a button

XYZTEC also offers a **300mm (12 inch) wafer testing machine** for precision shear testing and Cold Bump Pull (CBP) with or without wafer handler.

Reasons why the Condor Sigma is the world's most popular bond tester

Superior speed

Featuring **50 mm/s** the axes are very fast. Combined with **efficient software**, you get the **highest UPH**.

Automation

The **Sigma's** 1 μ m stage accuracy, large test volume and vision technology enable **full automation**.

Easy to use

The **most ergonomic** system on the market. New operators learn to use the **software** within hours.

Accuracy

Technology leader XYZTEC's Condor Sigma gives you unparalleled **0.075% accuracy**.

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XYZTEC Netherlands

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Other offices

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

Bond testers

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

This is page 1/5
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Technology leader in bond testing worldwide



Customization

XYZTEC's consultants are happy to help you with any **special bond testing requests** you might have.

Correlation

We ensure correlation for cross referencing test results between old and new platforms.

Future proof modular design

Whether you buy a **Lite**, a **Sigma** or a **W12**, all systems come with lifetime free **software upgrades**.

Revolving Measurement Unit

Multiple load cell cartridge for up to **6 sensors** that measure **0.1gf - 200kgf**. Single heads up to **500kgf**.

Worldwide customer service

As market leader around the world, our **support is international**. Spare parts are available locally.

News

31 Jul - **Advances in Thin, 3D and MEMS Die Bond Strength Testing**

19 Jul - **XYZTEC granted subsidy for further accuracy improvements**

23 Jun - **Presentation at CSPT 2017 by Bob Sykes**

06 Jun - **Condor Sigma in São Paulo, Brazil**

[View all news](#)

Bond testing made easy

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This is page 2/5
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Six sensors RMU, up to 200 kgf: changing cartridges manually no longer required

XYZTEC is the market and technology leader in bond testing worldwide. The **Condor Sigma** is the most advanced bond tester on the market, providing leading customers with fully automated solutions.

The **Revolving Measurement Unit (RMU)** enables continuous operation with up to six different test types on the one machine at forces up to 200kgf. Additionally, you can also choose for dedicated systems. XYZTEC is also unique in its **high force** products and next generation tweezers.



Increase your knowledge about bond testing at a bond testing seminar

Aiming to improve understanding of bond testing in the industry, XYZTEC organizes seminars to present and disseminate knowledge in a straightforward format. Every seminar is focussed around a particular aspect of the science of bond testing.



The Condor Sigma was awarded a Red Dot design award

References

As market leader in bondtesting, XYZTEC has produced lots of success stories since the

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This is page 3/5
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Technology leader in bond testing worldwide



company was incorporated in 2000.

Consumables webshop

Order a wide range of [wire hooks](#), [shear tools](#), [tweezer tips](#) and [other items](#) in our [webshop](#).

Test types



The Condor Sigma W12 is the market leading solution for 300mm (12 inch) wafer testing

- Ball shear / Solder ball shear
- Bending
- Cavity shear
- Cold Bump Pull
- Copper pillar
- Creep test
- Die shear
- Fatigue
- High speed impact
- Lead integrity / Micro torsion
- Lid pull
- Lid torque
- Loop height test
- Overhanging die
- Passivation layer gold ball shear
- Probe test
- Ribbon peel
- Ribbon pull
- Scratch / coating
- SMD shear
- SMD gull wing leads
- Spring rigidity
- Stud pull

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This is page 4/5
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- Total Ball Shear / Zone shear
- Tweezer pull
- Vector pull
- Wedge and ribbon shear
- Wire pull

Events

07	Oct	IMAPS Herbstkonferenz
07	Oct	Radel 2017
10..12	Oct	IMAPS 50th Anniversary Symposium

[View all events](#)

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