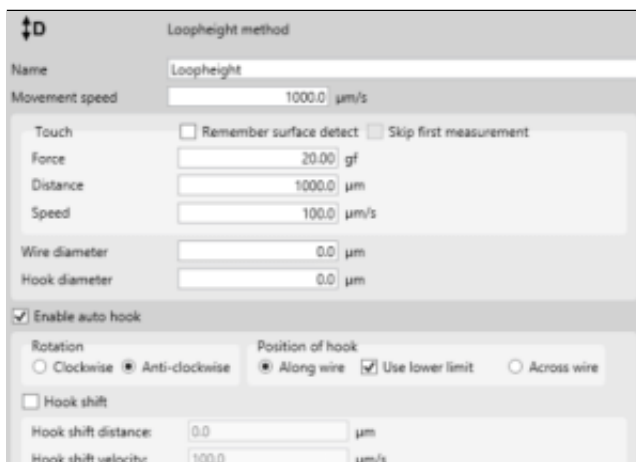


Schematic view of loop height testing

Loop height measurement

- Measure wire bond loop heights
- Use your existing pull sensors
- Full statistical analysis with [Condor Sigma software](#)
- Available as dedicated method type or as step before a **destructive or non-destructive wire pull test**
- Hook shift capability to position fine pitch hooks accurately under the wire
- Programmable landing force (down to 2,5 gf) and test speed enable delicate sensing
- Similar to **probe testing**



Configure the loop height measurement test settings easily in the Condor Sigma software

Analyze not only forces but also distances on your product

Bond testers are traditionally used for force measurement only, but the extreme positional accuracy of the [Condor Sigma platform](#) also enables you to measure whether the dimensions of your product are within specification, with never before seen accuracies. The system is equipped with 30nm resolution linear encoders and is completely backlash free (no gear box).

© 1999-2019 XYZTEC BV

XYZTEC Netherlands

J.F. Kennedylaan 14-B
 5981 XC Panningen
 Netherlands ([map / route](#))
 Tel: +31-77-3060920
 Fax: +31-77-3060919
sales@xyztec.com
support@xyztec.com

Other offices

- Germany
 - Taiwan
 - Thailand
 - United Kingdom
 - USA: California
 - USA: Massachusetts
 - [Distributors](#)

Bond testers

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

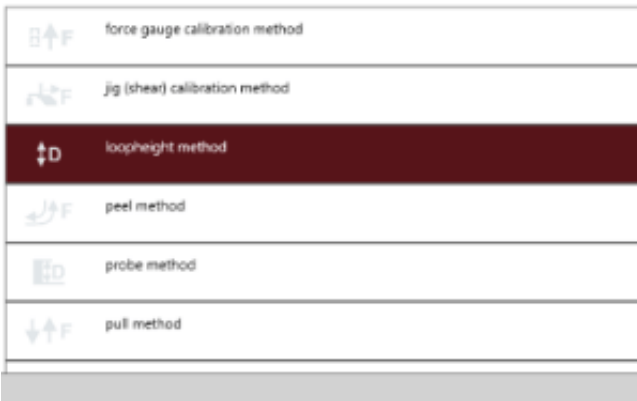
This is page 1/4
 Click [here](#) for the [web version](#).

Technology leader in bond testing worldwide



On any **Condor Sigma bond tester**, the loop height measurement test method is available for free using pull sensors. The system will accurately determine the height of a wire, ribbon or other component above the surface. The measurement result in this case is not a force, but a distance.

To enable quicker testing, the system can store the Z-height of the surface under the first wire and use this value again when sensing the following multiple wires. It is also possible to probe the surface height in a different spot than directly under the wire.



Menu to select the method type - the loop height method is available alongside the more traditional types

The operator can combine loop height measurement with a pull test, whether destructive or not. In that case, the loop height distance is simply presented alongside the force measurement result.

As with regular wire pull, it is possible to use the hook shift functionality of the **Condor Sigma** to position a fine pitch hook accurately under the wire in tight spaces. Auto hook is also available and the loop height measurement test method is of course for both manual and **automatic testing**.

The **Condor Sigma** is also unique because of its programmable landing force down to 2,5 gf. Combined with an also programmable probe test speed, this enables very delicate sensing. Deformations or damage to the sample are therefore minimized.

XYZTEC Netherlands

J.F. Kennedylaan 14-B
5981 XC Panningen
Netherlands ([map / route](#))
Tel: +31-77-3060920
Fax: +31-77-3060919
sales@xyztec.com
support@xyztec.com

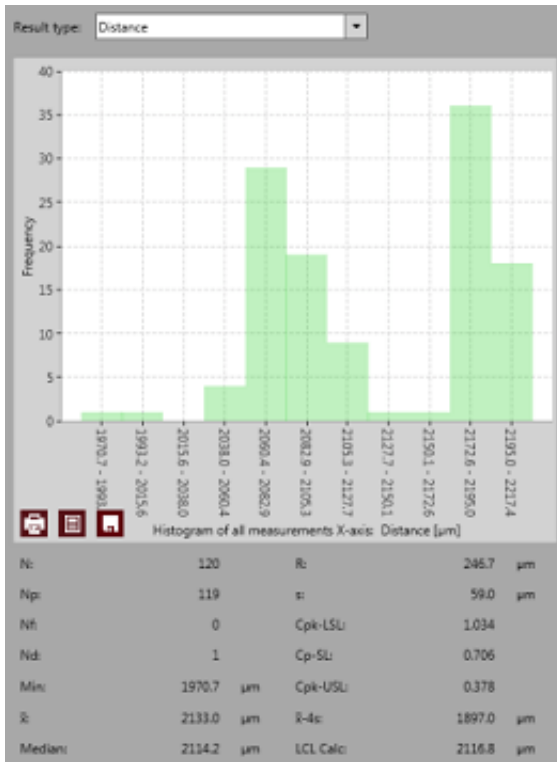
Other offices

- 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 2/4
Click [here](#) for the **web version**.



Using the Condor Sigma it is just as easy to analyze distance data as to analyze force data

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

Increase your bondtesting throughput

© 1999-2019 XYZTEC BV

XYZTEC Netherlands

J.F. Kennedylaan 14-B
 5981 XC Panningen
 Netherlands ([map / route](#))
 Tel: +31-77-3060920
 Fax: +31-77-3060919
sales@xyztec.com
support@xyztec.com

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 3/4
 Click [here](#) for the [web version](#).

Technology leader in bond testing worldwide



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)**.

Representatives

To find your local representative, please select a region:

- [Americas](#)
 - [Europe, Middle East, Africa](#)
 - [Greater China](#)
 - [Japan](#)
 - [Asia / Pacific](#)
-



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

XYZTEC Netherlands

J.F. Kennedylaan 14-B
5981 XC Panningen
Netherlands ([map](#) / [route](#))
Tel: +31-77-3060920
Fax: +31-77-3060919
sales@xyztec.com
support@xyztec.com

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 4/4
[Click here](#) for the [web version](#).