



Fully automated bond tester

Карта сайта

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 - Simac Techniek NV
 - Impressum
- Article: Is fully automatic bond testing possible?
 - P2: What is Required for Automation?
 - P3: What is Possible with Modern Automation?
 - P4: Automatic load and unload
 - P5: Machine Vision
 - P6: Measurement of gross sample position, bonds
 - P7: Automatic failure mode analysis
 - P8: Test debris management
 - P9: Non-Destruct Testing and Conclusion
 - Why test bonds?
 - P2: Shear testing
 - P3: Solder bump testing, die pull applications
 - P4: Conclusion
- How to test bonds
 - How to: Cold Bump Pull
 - Cold Bump Pull objectives and jaw size
 - Cold Bump Pull jaw quality
 - Cold Bump Pull setting up and doing a test #1
 - Cold Bump Pull setting up and doing a test #2
 - Cold Bump Pull tweezers and test sequence recap
 - Cold Bump Pull test force, cleaning and jedec

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Bond testers

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

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- How to: Wire Pull
- Wire Pull Tool design and quality
- Wire Pull Alignment
- Wire Pull Loop height measurement and work holder
- Wire Pull Variants: vector pull, gull wing leads
- Wire Pull Test method settings
- Wire Pull Failure modes
- Wire Pull Force calculations
- MIL-STD-883 2011.9 bond strength (bond pull test)
- MIL-STD-883 2023.7 nondestructive bond pull
- MIL-STD-883 2023.7 Appendix A
- MIL-STD-883 2004.7 lead integrity
- MIL-STD-883 2004.7 A - Tension
- MIL-STD-883 2004.7 A1 Lead braze integrity
- MIL-STD-883 2004.7 B1 Bending stress
- MIL-STD-883 2004.7 B2 Lead fatigue
- MIL-STD-883 2004.7 C1 Lead torque
- MIL-STD-883 2004.7 C2 Stud torque
- MIL-STD-883 2004.7 D Solder pad adhesion
- MIL-STD-883 2004.7 E Lead plating integrity
- MIL-STD-883 2024.2 Lid torque glass-frit-sealed
- MIL-STD-883 2019.9 Die shear strength
- MIL-STD-883 2031.1 Flip chip pull off test
- How to: Tweezer Pull
- Tweezer Pull Tweezer Design
- Tweezer Pull Alignment and Failure Modes
- Tweezer Pull Ribbon Pull and Peel
- Tweezer Pull Copper Pillar
- Tweezer Pull Stud Pull and Pick and Place
- External sources
- Semiconductor alliances
- Semiconductor engineering
- Process control

- Careers
- Наши клиенты
 - Danfoss
 - Fully automated wafer testing
 - Heraeus rates XYZTEC as excellent supplier
 - Large heater stage on Condor Sigma W12

- Research partners
- Контакты
- Поиск

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Новости

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 - [ODEOM shows Condor Sigma in Istanbul](#)
 - [Semicon China under way](#)
 - [Condor Sigma W12 at Semicon Korea](#)
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 - [Raysun to represent XYZTEC in China](#)
 - [Award for First Technology China](#)
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 - [Presentation at CSPT 2017 by Bob Sykes](#)
 - [Condor Sigma in São Paulo, Brazil](#)
 - [Fully automatic lead frame tester introduced at SMT Hybrid Packaging](#)
 - [Semicon Penang 2017 successful](#)
 - [Pizza and Go cart racing at K1 Speed in Northern CA](#)
 - [Visit us at Semicon China](#)
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 - [Market leading Condor Sigma bond tester at TPCA Taiwan](#)
 - [Automation features draw attention at Semicon Taiwan 2016](#)
 - [HTMG represents XYZTEC in South America](#)
 - [Bob Sykes speaks at China Semiconductor Packaging Test Symposium \(CSPT\) \[UPDATED\]](#)
 - [Purchase wire hooks, shear tools, tweezer tips by PayPal](#)
 - [SMT 2016 all about automation](#)
 - [Annual sales and service event in Bangkok big success](#)
 - [Come visit us at Semicon China](#)
 - [HiSOL new distributor in Japan](#)
 - [Cellphone display LCD driver IC testing](#)
 - [ISO-Dynamique and Axend represent XYZTEC in Malaysia, Singapore, Thailand,](#)

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Indonesia and Vietnam

- Wire detect functionality popular at Productronica
- How to: Cold Bump Pull
- Condor Sigma draws attention at Semicon Taiwan
- Exciting sales and service meeting in Bangkok
- Bond Test Measurement Accuracy
- Condor Sigma software now available in Vietnamese
- Automatic wire detection draws attention at SMT 2015
- SST joins XYZTEC in Taiwan and mainland China
- More on loop height testing
- BaiTech to represent XYZTEC in Southern California, Tijuana Mexico
- Copper pillar testing
- Subscribe to the XYZTEC newsletter
- Increase your knowledge about bond testing and visit a bond testing seminar
- Successful distributor training during XYZTEC week
- Highlighted: Condor Sigma W12 for 300mm wafer testing
- XYZTEC shows full automation on the Condor Sigma at the SMT 2014 in Nürnberg
- Advances in tweezer pull testing
- Maestro payment method accepted in webshop
- XYZTEC launches webshop for consumables
- ODEOM new distributor for Turkey
- Condor Sigma attracts attention at Productronica
- XYZTEC Sales Director Dirk Schade joins the IMAPS board
- Antycip Technologies new distributor for France, Spain, Portugal and North Africa
- Busy IMAPS show in Orlando, Florida
- Creep test
- SMD shear test
- Spring rigidity test
- New Condor Sigma videos available
- Condor Sigma celebrated at Red Dot Gala
- Visit us at PCIM Asia in Shanghai
- A bond tester that can grow with your company
- Condor Sigma wins Red Dot design award 2013
- Condor Sigma draws attention at Semicon China
- Condor Sigma Vision solutions
- 3H Corporation new distributor in Korea
- Heraeus: XYZTEC class A supplier
- Crockett Southwest new XYZTEC sales partner in Texas, Oklahoma, Louisiana and Arkansas
- GIO Award for Condor Sigma
- Alternative Testing Methods for Electronic Assemblies
- USB Tweezers: a unique electrically actuated micro grippers solution
- NW Test Solutions to represent XYZTEC in Pacific Northwest

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- Condor Sigma nominated for European Aluminium Award 2012
- Visit us at Semicon Taiwan 2012 in Taipei
- New uni-axial bending test for ultra-thin die
- Busy first show for Tom Haley
- XYZTEC welcomes new sales manager for United States and Canada
- Condor Sigma at Dutch Technology Week 2012
- Condor Sigma attracts attention on ECTC 2012
- High interest in self-alignment tool on Fraunhofer Technology Day
- Introduction of Sigma at Semicon Korea
- Condor Sigma in Japan
- Interelec Electronics AG switches to XYZTEC
- Successful seminar at Tianjin University on Packaging High-temperature Electronics
- Condor Sigma: Performance and Flexibility
- New test method for mechanical strength evaluation of solar cell solder joints
- Case studies: Danfoss, flexibility and deep access
- Fully automated LED wafer testing
- Employees donate to Japan relief effort
- XYZTEC participates in Solar Module Value Chain for International BIPV Concepts
- XYZTEC proudly presents its Korean website
- Aubert Dupont speaks at IEEE CPMT 2010
- XYZTEC launches new website
- Charity event for RETT syndrome big success
- Technical Informer: USB Tweezers
- XYZTEC introduces Condor EZ: the next generation in bond testing
- Technical Informer: Solar Cell Ribbon Peel Testing
- Bob Sykes joins XYZTEC

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 - Meet the world's biggest bond testers
 - Free SMTconnect ticket? Register now
 - Is Fully Automatic Bond Testing Possible?
 - Advances in Thin, 3D and MEMS Die Bond Strength Testing
 - Shear testing copper pillar
 - Fracture strength of thin wafers and die
 - Centralized database for enhanced security and SPC options
 - Full Automation with Improved Pattern Recognition, Fiducial Marks Analysis, Wire Detect and Failure Mode Analysis

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- Тестирование покрытий и пленок
- Latest software release enables automatic grading
- Новые возможности в тестировании материалов
- Тестирование изделия с крышкой на установке Condor Sigma
- Новый нагреваемый вращающийся рабочий столик для установки Condor Sigma W12 имеет большую рабочую зону
- How to: Wire Pull
- Get 10% off your next tools order
- Pull testing bumped wafers
- SMD gull wing leads testing
- Automation: matrix bond testing made easy
- Fully integrated solution for automated wafer testing
- In bond testing, size does matter
- XYZTEC goes from strength to strength
- Automatic wire detect
- Highly reproducible stud pull tests are possible
- What is the quality of your coatings?
- Loading samples has never been so easy
- Axis accuracy of $\pm 1\mu\text{m}$: essential for automatic bond testing
- Increase your bondtesting throughput
- USB Tweezers
- Analyze not only forces but also distances on your product
- Technology leader XYZTEC raises the bar in bond testing once again with new software release
- Why all bond testers should have an RMU
- Copper pillar testing
- Is process verification important to your business?
- Fully automated bond tester
- Ideal solution for 300mm (12 inch) wafer testing

Condor Sigma

- Condor Sigma Lite
- Condor Sigma W12
- Condor Sigma MAG
- Condor Sigma HF/L/XL
- Automation
- Ergonomics
- Revolving (RMU) and single heads (PMU, SMU)
 - Sensor modules
- Tweezers
 - CBP Jaw Cleaner

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- Work holders
- Software
 - Vision
- Calibration
- Specifications

Condor 150HF

- Ergonomics
- Revolving Measurement Unit (RMU)
 - Comparison with single heads
- Pull & Push Measurement Unit
- Shear Measurement Unit
- Impact Measurement Unit
- Tweezers
- Work holders
- Software
- Specifications
- Condor EZ, 70, 100, 150, 250

Test types

- Bending
- Cavity shear
- Cold Bump Pull (CBP)
- Connector Test
- Copper pillar
- Creep test
- Die shear
- Fatigue
- Gold ball shear and Solder ball shear
- High speed impact
- keypad
- Lead integrity / Micro torsion test
- Lid pull
- Lid torque
- Loop height test
- Overhanging die
- Passivation layer gold ball shear
- Probe test
- Ribbon peel

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- Ribbon pull
- Scratch test / coating test
- SMD Gull Wing Leads
- SMD shear
- Spring rigidity
- Stud pull
- Total Ball Shear (TBS) / Zone shear
- Tweezer pull
- Vector pull
- Wedge shear
- Wire pull

Markets & solutions

- Aerospace
- Automotive
- Hybrid and substrate
- LED
- Medical devices
- PCB assembly
- Power devices
- Research & Development
- Semiconductor
- Solar

Продажа

- Северная и Южная Америка
- Европа, Ближний Восток
- Китай, Тайвань, Гонконг
- Япония
- Азия и Океания

Downloads

- XYZTEC software
- External software
- Manuals
- Grading library
- Brochures and flyers
- Articles and papers

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- Press releases

ВЫСТАВКИ

- Bond testing seminars
- Requests
 - CIOE China 2019
 - The Battery Show USA 2019
 - EMPC Italy 2019
 - Semicon Taiwan 2019
 - IMAPS USA 2019
 - Productronica Germany 2019

Магазин

- Sigma wire hooks
- Sigma shear tools
- Sigma sleeves
- Classic wire hooks
- Classic shear tools
- Classic sleeves
- USB Tweezers tips
 - Checkout



reddot
winner

О компании

- Our team
- Патент
- Simac group

News

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Meet the world's biggest bond testers
Teaming up with Micronnect B.V. and BRIDGE
S.r.l.

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Newest Sigma HF High Force bond tester live in action at SMTconnect

XYZTEC spreads bond testing knowledge to partners worldwide

Free SMTconnect ticket? Register now

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Presentation at CSPT 2018

Matelec show 2018 for the Electrical and Electronics Industry with Antycip

Successful ESTC Conference in Dresden, Germany

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