IEEE SW Test Workshop
Semiconductor Wafer Test Workshop

June 8-11, 2008
Paradise Point Resort, San Diego, CA

www.swtest.org

EXHIBITOR DIRECTORY
With Thanks to Our CORPORATE SUPPORTERS
IEEE SW Test Workshop
Semiconductor Wafer Test Workshop

EXPO Hours

Monday, June 9, 2008
Exhibits Open
Poster Sessions & Reception
5:00 pm - 8:00 pm

Tuesday, June 10, 2008
Exhibits Open
Poster Sessions & Afternoon Break
3:00 pm - 5:00 pm
From Small Pad Vertical Parametric...

To Advanced High-End Logic...

BucklingBeam

The New Standard.
BOOTH 9
Accuprobe is a leading supplier of probe components, cards, assemblies, equipment and accessories used to test components in the semiconductor, hybrid, optical and related industries.

BOOTH 20
Air Products, working with our partner CVInc, has developed the right solutions for your back end package and test processes. We have a broad portfolio of materials, the technical experience needed to help you integrate them quickly into your processes, and the focus to provide these solutions effectively.

BOOTH 1
AMST (Advanced Micro Silicon Technology), is a leading supplier of MEMS technology base Probe Cards.

BOOTH 51
Apex manufactures precision single- and multi-DUT cantilever probe cards for linear and digital applications and advanced MEMS-based probe cards for the memory industry.
High performance probe cards & test sockets

Advanced test solutions for wafers and packages

Pyramid Probes®
Support KGD
Production Test Strategies

Gryphics™
Test Sockets for Packaged Chip Test

CASCADE®
MICROTECH
Gryphics Product Group
BOOTH 27

Dutch Beijert Engineering is the number 3 manufacturer of probe-card analysis equipment. Systems range is up to 15,000 pins. For probe-card manufacturers Beijert has a low-cost range of Open-Short test equipment.

BOOTH 6

Welcome to ‘the new standard’ in advanced vertical probe technology. For the best in quality, performance and price, please visit us. We don’t just talk cost reduction, we drive it.

BOOTH 36

Camtek designs, manufactures and markets technologically advanced, cost effective systems and related software products that are used to enhance processes and yields.

BOOTH 12

Cascade Microtech is a worldwide leader in the design and manufacture of advanced wafer probing solutions for electrical measurement and test of semiconductor integrated circuits and chips.
Since 1964, Electronic Apparatus N.V. is sought after for its expertise with complex and high-speed designs as an industry leading designer and manufacturer of printed circuit boards for global customers in industrial test-and-measurement devices, telecommunications, data processing, medical equipment, and space/avionics.

Electronic Apparatus proudly offers:

1. A wide range of experience with both small and large scale high-performance VLSI, Probe Card, Loadboard and Backplane devices.

2. Design and Manufacturing solutions for our worldwide customers in the semiconductor test market segment by applying EA's unique knowledge to create new approaches to individual customer specification and application challenges.

3. A vast database of tester and handler information to assist our customers in the design and development of a wide range of circuit boards using system tools from Mentor Graphics, Cadence Allegro and Cadstar Zuken. EA's designers are experienced in all device layout types – including digital, analog, mixed signal and RF systems.

4. Manufacturing of Printed Circuit Boards: Rigid Boards (from 2 to 60 layers), VLSI, Probe Card, Loadboard and Backpanel Boards (up to 1450mm x 750mm x 15mm or 57" x 29.5" x 0.59"), Rigid-Flex Boards (from 2 to 40 layers).


www.ea-pcb.com

Electronic Apparatus is proud to be a Corporate Sponsor for the 2008 IEEE Semiconductor Wafer Test Workshop in San Diego, CA.
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Cognex Corporation is the world’s leading provider of vision systems, vision software, vision sensors and surface inspection systems used in manufacturing automation. Cognex is also a leader in ID readers.

BOOTH 32
Dynamic Test Solutions - DTS specializes in complete turn-key test hardware (probe card, socket, assembly) for all test platforms. DTS offers custom designed PCBs for ATE applications. DTS specializes in complete turn-key test hardware for all test platforms.

BOOTH 10
Electroglas is a leading supplier of wafer probers, prober-based test handlers, test floor management software and services. Electroglas has helped chipmakers improve wafer and device testing.

BOOTH 11
Electronic Apparatus
Front running Design and Production facility for state of the art Printed Circuit Board for wafer restrip using SBU and inverted SBU combined with superlayer technology to optimize performance.
ViProbe®
ultimate probecard technology
precise · high parallel · maintenance friendly

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BOOTH 5
Air Cooled Thermal Wafer Chucks from -65°C to +400°C for all fully and semi automated probers. No liquids, no peltiers; high MTBF and low cost of ownership. Innovation for over 35 years.

BOOTH 46
ECT SemiConductor Test Group offers numerous high performance POGO, Gemini POGO, and elastomar contactors for manual and production test. ECT performance boards and probe cards provide superb impedance control.

BOOTH 23
FEINMETALL is a leading manufacturer in the field of contact systems. The broad range of products includes Advanced Vertical Wafer Probe Cards (ViProbe®), contact probes, and fixtures for PCB.

BOOTH 48
Fima is an Italian PCB manufacturer established in 1974. We provide full quick turnaround service in high-tech PCBs, blind and buried vias, controlled impedance, SBU, microvias PCBs, focusing more and more on Probe Cards PCBs.
Lower your cost of test

We’ve built our company around the belief that probe cards can play an important role in reducing the cost of test. That’s why we’ve assembled an exceptionally talented engineering team with a single focus: developing innovations like our TRE® technology and Harmony® architecture that enable massively parallel probe testing, increase throughput and improve test yield.

Learn more at www.FormFactor.com
BOOTH 33

FormFactor is the world leader in advanced semiconductor wafer probe cards. The company’s products enable semiconductor manufacturers to bring next generation devices to the marketplace faster while reducing their overall cost of test.

Hyphenated-Systems

HS provides high performance process management systems for semiconductor wafer test by combining proprietary volume inspection and metrology technologies with electrical test, automation and data analysis.

BOOTH 45

ICOS is a world leader in vision technology, Advanced Wafer Defect Inspection and Review. Fast, accurate, and fully automatic 2D and 3D wafer inspection from 2”-12”

Instec Inc

Instec designs manufactures and sells hot/cold chucks (-190° to 600°C) with low leakage current and low electrical noise, and precision temperature controllers (up to 0.001°C) for semiconductor wafer inspection and failure analysis.
BOOTH 22

Manufacturer of complete range of probe card metrology and repair systems.

BOOTH 31

Integrated Test Corporation provides test solutions to the semiconductor industry by providing hardware and electro-mechanical products that address the lead time, cost, quality, and performance challenges of the industry.

BOOTH 49

ICT offers turnkey solutions for Vertical Probe Cards. Our Vertical Contact Technology is a superior solution for probing with high pin count, Multi-Die, extreme temperature, and flip chip applications.

BOOTH 7

International Test Solutions provides non-destructive probe card cleaning products to remove debris and contaminants generated during wafer level as well as on-site technical support and laboratory technical services to the semiconductor industry.
inTEST Silicon Valley Corporation
Mark Bradford • m.bradford@intest.com
101 Nicholson Lane
San Jose, CA 95134 USA
Tel: +1-408-678-9127 Fax: +1-408-678-9107
http://www.intest.com

BOOTH 25

Boost Your Yield with Better Interfaces - And a Better Interface Company. inTEST interfaces combine the reliability of selected standardized design elements with an extensive program of deep customization, matching performance to the requirements of your test environment.

JEM America Corp.
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3000 Laurelview Court
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Tel: +1-510-683-9234 • Fax: +1-510-683-9790
http://www.jemam.com

BOOTH 34

JEM group is a supplier of advanced probe cards and card-to-tester interfaces to leading semiconductor manufacturers. Products include vertical, cantilever, low leakage probe cards, cleaning sheets, and custom PCB designs.

Left Coast Instruments
Barry Weavers • bweavers@lcinst.com
P.O. Box 2217
Aptos, CA 95001 USA
Tel: +1-831-684-9224 • Fax: +1-831-661-0211
http://www.leftcoastinstruments.com

BOOTH 8

Left Coast Instruments offers; non-destructive Probe Card cleaning equipment and chemicals, Wafer and Probe Card inspection microscopes and Test Socket cleaning equipment and chemicals.

Micronics Japan Co., Ltd.
Fred Megna • fredm@mjcelectronics.com
11004 Metric Boulevard
Austin, TX 78758 USA
Tel: +1-512-276-8951
http://www.mjc.co.jp/english

BOOTH 19

MJC and its worldwide subsidiaries manufacture, market and service high technology advanced wafer probe cards (cantilever, vertical and 1TD mems) and high performance test sockets (j-contact) for the semiconductor industry.
MicroProbe is a Worldwide probe card supplier with global manufacturing and service facilities. Our complete line of products includes Apollo Vertical Probe Cards, Cantilever Probe Cards, and Next Generation Technology.

NHK Spring has the precision technology to create the key components of today's advanced technology equipment, including micro-probing contactors that utilize the world's smallest coil-spring for FWLT, WLBI, & WLCSP probe cards.

OptimalTest's Test Management Solutions (TMS) is a comprehensive suite of innovative, integrated software for the semiconductor testing industry. It delivers unprecedented ROI by improving performance in testing time, utilization, yield, quality and reliability to lower test cost-of-ownership.

Oxford Lasers, Inc. offers complete systems and provides contract manufacturing services for probecards using state-of-the-art laser technology.
Hyphenated-Systems provides high performance process management systems for semiconductor wafer test by combining proprietary volume inspection and metrology technologies with electrical test, automation and data analysis.

The new HS6000PCA system allows for automated probe card analysis in the actual thermal mechanical environments encountered during IC testing. The result is improved measurement accuracy and accurate correlation of probe card parameters.

For more information, please visit Booth #3
BOOTH 26

World wide supplier of vertical, cantilever and parametric style probe cards. We do support ring only builds or a turn key solution with custom pcd design.

BOOTH 47

Manufacturer of reliability test equipment, including the multi-site multi-prober wafer level test system for parallel testing, up to 300°C temperatures.

BOOTH 30

Manufacturers of advanced Probe and ATE solutions, including design, fabrication, assembly and contact solutions for fine pitch CSP, wafer probe and package test.

BOOTH 43

Rudolph Technologies is a leader in the design, development, manufacture and support of high-performance process control metrology and macro defect inspection equipment used by semiconductor device manufacturers worldwide.
International Test Solutions provides non-destructive probe card cleaning products used by semiconductor manufacturers worldwide to remove debris and contaminants generated during wafer level and burn-in/test socket testing. Complementing on-site technical support and process characterization, ITS provides comprehensive laboratory services for cleaning material and probe technology performance evaluation.

Proud Supporter of SWTW

The worldwide sales and technical support network includes a state of the art manufacturing and research facility in Reno, Nevada and a branch office in Taiwan.

www.inttest.net
BOOTH 4
SE specializes in efficiency improvements in Test. SE provides test application support and tools. Dynamic Testcell Controller is one of them. SE has a unique combination of Test software and hardware know how.

BOOTH 37
Scanimetric, Inc., develops and markets a revolutionary non-contact, virtual probe technology that helps to enable Moore's Law for nanoscale devices. Our products are targeted for testing semiconductor wafers, system-in-package (SiP) devices.

BOOTH 39
From probe stations to probing accessories SUSS is your partner for complete, innovative wafer-level solutions for accurate device characterization, failure analysis, reliability and production test.

BOOTH 14
SV Probe is a leading manufacturer of cantilever, vertical and blade probe cards along with PCB/PMB design and fabrication. SV also offers complete probe card and load board turnkey services.
Your Probing Partner

JEM America is a supplier of advanced, high-quality probe cards and tester interfaces. We manufacture a diversified line of probing products: cantilever, vertical and special-applications probe cards.

JEM Group has sales and manufacturing facilities in the US, Europe, Japan, Taiwan, China, Korea, and Singapore.

Address: 3000 Laurelview Court, Fremont, CA 94538, U.S.A.
Phone: 510-683-9234
Fax: 510-683-9790
Email: sales@jemam.com

www.jemam.com
BOOTH 35
Designer & manufacturer of test sockets that use spring contact probe technology to provide a reliable signal path on pitches as fine as 0.5mm (0.020”).

T.I.P.S. Messtechnik GmbH
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http://www.tip.co.at

BOOTH 53

Taconic
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http://www.taconic-add.com

BOOTH 2
Taconic is a world leader in RF Laminates and high speed digital materials, offering a wide range of high frequency laminates and prepregs for antennas, multilayer PCBs and other devices.

Technoprobe S.p.A.
Roberto Crippa • roberto.crippa@technoprobe.com
Via Cavalieri di Vittorio Veneto, 2
Cenusco Lombardone, 23970 Italy
http://www.technoprobe.com

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Advanced probe cards and innovative Cantilever probe cards for multi die probing and low pad damage requirements
Fully Automatic Uprobe 300mm FPD Repair System
300mm Full Contact Test System
J-Contact Test Socket
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2400 Grove Boulevard
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Tel: +1-512-424-1873
http://www.tel.com

BOOTH 17
TEL Test System group provides fully automatic wafer probing technology to the semiconductor market with a focus on innovation and lowering test cell cost of ownership.

Topcon
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2447 W. 12 th St. - 6
Tempe, AZ 85281 USA
Tel: +1-620-460-4286 • Fax: +1-602-297-6563
http://www.djksemi.com

BOOTH 40
Topcon is a world leader in optics and semiconductor inspection tools. Topcon offers inspection solutions for Wafer Level Chip Scale Packaging.

ToTo U.S.A., Inc.
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1400 Fashion Island Blvd, #810
San Mateo, CA 94404 USA
Tel: +1-650-403-8000 x24 • Fax: +1-650-403-0133
http://www.toto.co.jp/e_cera

BOOTH 41
ToTo’s advanced ceramics division offers wafer probe card makers high density micro-hole drilling services using a proprietary line of fine grain size machinable ceramics.

TSE Co., Ltd.
Eddy Kang • eddykang@tse21.com
18-3/4 Block, the 4th local industrial district, Mosi-ri, Jiksan-eub
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http://www.tse21.com

BOOTH 16
SP division in TSE provides customer required CPC™ and C-CONTACT™. The CPC that the SP division provides can carry out one Touch Test for 8-inch and 12-inch wafer.
Inspect it.
Industry-leading 2D/3D automatic visual inspection

Test it.
Preferred test and analysis for advanced probe cards

Win it!
Maximized profitability with intelligent systems and software solutions

Visit booth 43 to inspect, test and play to win a Nintendo® Wii™!
BOOTH 21
Wentworth Laboratories, Inc. provides cost-effective, technology-forward solutions for wafer-level probing applications. Accumax® and Micromax® vertical probe cards are used to test logic, memory and flip chip or bond pad devices.

Xena Technologies
David Rehak • david.rehak@xena-us.com
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Plano, TX 75074 USA
Tel: +1-972-516-3780 • Fax: +1-972-516-3781
http://www.xenatechnologies.com

BOOTH 38
Asian based cantilever and vertical probe card needle assembly supplier.

Xpress Test Solutions
Brad Poulos • brad@xts.ca
PO Box 1028
Erin, Ontario N0B 1T0 Canada
Tel: +1-519-217-1781 • Fax: +1-519-315-0067
http://www.xts.ca

BOOTH 50
XTS develops software and test systems for manufacturers of RF design groups and semiconductors resulting in shortened design cycles, reduced development costs and faster time to market.
Save The Date

IEEE Semiconductor Wafer Test Workshop 2009

Paradise Point Resort, San Diego, CA

June 7 - 11, 2009

Abstract Submission Date
February 28, 2008

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IEEE SW Test Workshop
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