



IEEE SW Test Workshop

Semiconductor Wafer Test Workshop

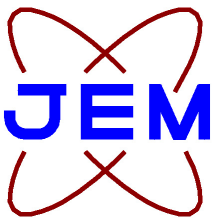
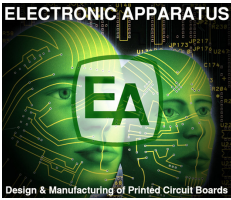
EXHIBITOR DIRECTORY

June 8-11, 2008

▼ Paradise Point Resort, San Diego, CA ▼

www.swtest.org

With Thanks to Our
CORPORATE SUPPORTERS





IEEE SW Test Workshop

Semiconductor Wafer Test Workshop

EXPO Hours

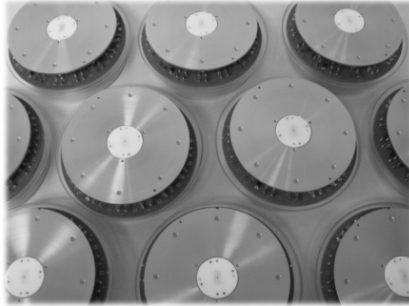
Monday, June 9, 2008

Exhibits Open
Poster Sessions & Reception
5:00 pm - 8:00 pm

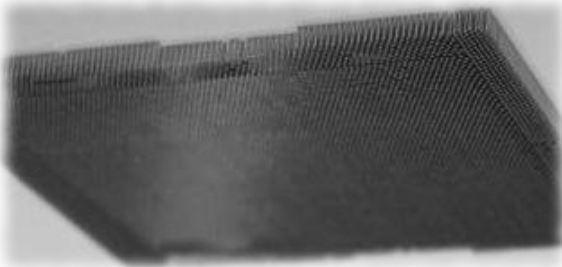
Tuesday, June 10, 2008

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.



Accuprobe, Inc.

Jeff Wake • jwake@accuprobe.com

35 Congress Street

Salem, MA 01970 USA

Tel: +1-978-745-7878 • Fax: +1-978-745-7922

<http://www.accuprobe.com>

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.



Air Products and Chemicals, Inc.

Chuck Lhota • lhotaca@airproducts.com

<http://www.airproducts.com/bps>

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.



Advanced Micro Silicon Technology

AMST CO., LTD

Song-Son Macy • ssmacy@amst.co.kr

404-2, Wonchun-Dong, Yeongtong-Gu

Suwon Kyunggi-Do, 443-823 Korea

Tel: + 82-31-218-8832 • Fax: +82-31-218-8900

<http://www.amst.co.kr>

BOOTH 1

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



Apex America, Inc.

Sunny Park • spark@apex-america.com

10300 SW Nimbus Avenue, Suite P/A

Tigard, OR 97223 USA

Tel: +1-503-968-5900 • Fax: +1-503-968-5901

<http://www.apex-america.com>

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.

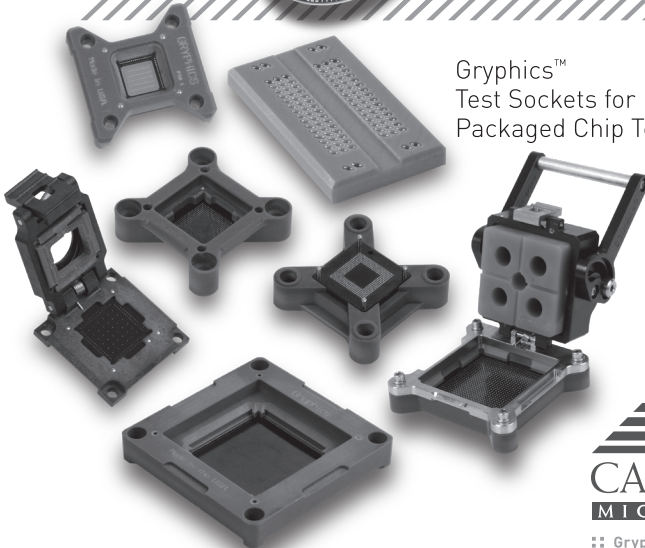
High performance probe cards & test sockets

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



Beijert Engineering

Oscar Beijert • oscarbeijert@beijert.com
Factorij 8 b
1689 AL Zwaag The Netherlands
Tel: +31-229-24 71 91 • Fax: +31-229 - 21 40 90
<http://www.probecardtester.com>

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..



BucklingBeam Solutions LLC

Mike Chrastecky • mchrastecky@bucklingbeam.com
16074 Central Commerce Drive, Suite A-102
Pflugerville, TX 78660 USA
Tel: +1-512-990-5535 • Fax: +1 512-990-5536
<http://www.bucklingbeam.com>

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.



Camtek

Tommy Weiss • tweiss@camtekusa.com
2000 Wyatt Drive #3
Santa Clara, CA 95054 USA
Tel: +1-408-986-9540 • Fax: +1-408-987-9484
<http://www.camtekusa.com>

BOOTH 36

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



Cascade Microtech

Junko Nakaya • junko_nakaya@cmicro.com
2430 NW 206th Avenue
Beaverton, OR 97006 USA
Tel: +1-503-601-1000 • Fax: +1-503-601-1601
<http://www.cascademicrotech.com>

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.

Electronic Apparatus



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Belgium

Sales@ea-pcb.com

Tel: +32-13-66-24- 44

Fax: +32-13-66-77-92

Design & Manufacturing of Printed Circuit Boards

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).
5. Core Technologies are 'In House': Burn-in-Boards, Blind & Buried Vias, Micro Vias in Pad, Laser Drilled Micro Holes, Laser Routing, Laser Structuring, Glass Epoxy, Polyimide, Teflon, High-Frequency Materials, High Power Boards, Flight Boards, and Impedance Control Boards.

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.

COGNEX

Cognex Corporation

Andrew Scott • andrew.scott@cognex.com
One Vision Drive
Natick, MA 01760 USA
Tel: +1-508-650-3000 • Fax: +1-508-650-3344
<http://www.cognex.com>

BOOTH 42

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.



Dynamic Test Solutions - DTS

Mike Bivens • mbivens@dynamic-test.com
4360 West Chandler Boulevard, #1
Chandler, AZ 85226 USA
Tel: +1- 480-231-7829 • Fax: +1-480-632-5837
<http://www.dynamic-test.com>

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.



Electroglas, Inc.

Jenny Araujo • jaraujo@electroglas.com
5729 Fontanoso Way
San Jose, CA 95138 USA
Tel: +1-408-528-3000 • Fax: +1-408-528-3542
<http://www.electroglas.com>

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.

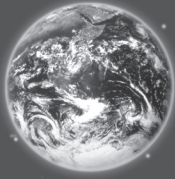


Electronic Apparatus

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B3980 Tessenderlo Belgium
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<http://www.ea-pcb.com>

BOOTH 11

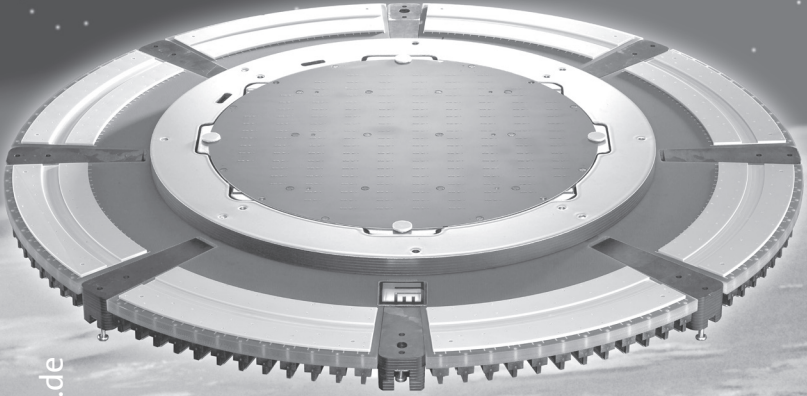
Front running Design and Production facility for state of the art Printed Circuit Board for wafer restrip using SBU and inverted SBU combined with superlayer technology to optimize performance.



ViProbe®

ultimate probecard technology

precise · high parallel · maintenance friendly



www.feinmetall.de

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Singapore

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California

FEINMETALL

Contact technologies for electronics





ERS America

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7900D Stevens Mill Rd, #14
Matthews, NC 28104 USA
Tel: +1-704-753-5131 • Fax: +1-704-753-5138
<http://www.ers-america.com>

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.



Everett Charles Technologies (ECT)

Kim Barrett • kim.barrett@ectinfo.com
700 E. Harison Avenue
Pomona, CA 91767 USA
Tel: +1-909-447-2627
<http://www.ectinfo.com>

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.



FEINMETALL
Contact technologies for electronics

Feinmetall GmbH

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D-71083 Herrenberg Germany
Tel: +49-7032-2001-203 • Fax: +49-7032-2001-28
<http://www.feinmetall.de>

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.



FIMA srl

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36100 Vicenza (VI) Italy
Tel: +39-0444-570277 • Fax: +33-0444-570204
<http://www.fimaweb.com>

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.



FORMFACTOR



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



FormFactor

David Viera • info@formfactor.com
7005 Southfront Road
Livermore, CA 94551 USA
Tel: +1-925-290-4000
<http://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

Barry Gottlieb • sales@hyphenated-systems.com
1826 Rollins Rd
Burlingame, CA 94101 USA
Tel: +1-650-651-3000 • Fax: +1-650-651-3001
<http://www.hyphenated-systems.com>

BOOTH 3

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.



ICOS

ICOS Vision Systems, Inc.

Darin Pizzo • darin.pizzo@ivsc.com
3 Lagoon Drive #160
Redwood City, CA 94065 USA
Tel: +1-650-610-9532, Ext. 302 • Fax: +1-650-610-9533
<http://www.icos.be>

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

Richard Herke • sales@instec.com
5589 Arapahoe Ave, Ste 208
Boulder, CO 80303 USA
Tel: +1-303-444-4608 • Fax: +1-303-444-4607
<http://www.instec.com>

BOOTH 52

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.



Integrated Technology Corporation
Mark McLaren • markm@inttechcorp.com
1228 North Stadem Drive
Tempe, AZ 85281 USA
Tel: +1-480-968-3459, Ext. 366 • Fax: +1-480-968-3099
<http://www.inttechcorp.com>

BOOTH 22

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



ATE PCBs, ►►YIELD TO THE EVOLUTION

Integrated Test Corporation
Lee Burnette • lburnette@integratedtest.com
10365 Sanden Drive
Dallas, TX 75238 USA
Tel: +1-214-329-4222 • Fax: +1-214-349-5987
<http://www.itcpcb.com>

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.



International Contact Technologies Inc.
John King • johnking@ict-probe.com
1432 Old Waterbury Road
Southbury, CT 06488 USA
Tel: +1-203-264-5757 • Fax: +1-203-264-5707
<http://www.ict-probe.com>

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.



International Test Solutions, Inc.
Tina Romero • tinar@inttest.net
1595 Meadow Wood Lane
Reno, NV 89502 USA
Tel: +1-775-284-9220 • Fax: +1-775-284-9227
<http://www.inttest.net>

BOOTH 7

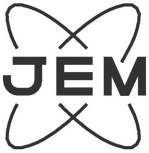
International Test Solutions provides non-destructive probe card cleaning products to remove debris and contaminants generated during wafer level as well as on-site technical support and laboratory technical services to the semiconductor industry.



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.
Patrick Mui • sales@jemam.com
3000 Laurelview Court
Fremont, CA 94538 USA
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



MicroProbe

Todd Martin • tmartin@microprobe.com
574 Heritage Road
Southbury, CT 06488 USA
Tel: +1-203-733-3890
<http://www.microprobe.com>

BOOTH 13

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 Co.

Shaun Tran • shaun@nhkintl.com
2350 Mission College Blvd, #1090
Santa Clara, CA 95054 USA
Tel: +1-408-492-9374 • Fax: +1-408-492-9482
<http://www.nhkspg.co.jp/eng/mc/index.html>

BOOTH 24

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 Ltd.

Gil Veli • gil.levi@optimaltest.com
18 Einstein St.
Nes Ziona, 74140 Israel
Tel: +972-3-930-8800 • Fax: +972-3-930-8881
<http://www.optimaltest.com>

BOOTH 28

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.

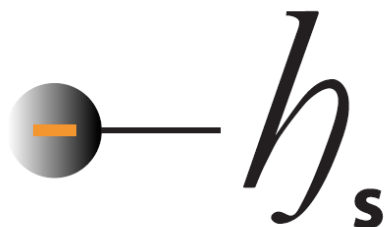


Oxford Lasers

Patrick Lyon • patrick.lyon@oxfordlasers.com
2 Shaker Road, Unit D201
Shirley, MA 01464 USA
Tel: +1-978-425-4480 • Fax: +1-978-425-4487
<http://www.oxfordlasers.com>

BOOTH 15

Oxford Lasers, Inc. offers complete systems and provides contract manufacturing services for probecards using state-of-the-art laser technology.



h y p h e n a t e d s y s t e m s

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

Hyphenated-Systems, LLC
1826 Rollins Road
Burlingame, CA 94010
Telephone: 650.651.3000
Fax: 650.651.3001

Email: sales@hyphenated-systems.com



probelogic

Probe Logic

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1885 Lundy, #101

San Jose, CA 95131 USA

Tel: +1-602-740-5109 • Fax: +1-408-943-8117

<http://www.probelogic.com>

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.



QualiTau, Inc.

Shahriar Mostarshed • shahriarm@qualitau.com

950 Benecia Avenue

Sunnyvale, CA 94095 USA

Tel: +1-408-212-8234 • Fax: +1-408-522-8110

<http://www.qualitau.com>

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.



R&D Circuits

Thomas Bresnan • tbresnan@rdcircuits.com

3601 South Clinton Ave

South Plainfield, NJ 07080 USA

Tel: +1-732-549-4554 • Fax: +1-732-549-1388

<http://www.rdcircuits.com>

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..

RUDOLPH
TECHNOLOGIES

Process. Control. Yield.

Rudolph Technologies

Darren James • darren.james@rudolphtech.com

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Issquah, WA 98027 USA

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<http://www.rudolphtech.com>

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.



IMPROVING YIELD THROUGH INNOVATION

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.

international
TEST SOLUTIONS



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Salland Engineering B.V.

Rob Marcelis • rob.marcelis@salland.com
Schrevenweg 12
Zwolle, 8024HA The Netherlands
Tel: +31-38-454-7702 • Fax: +31-38-454-4785
<http://www.salland.com>

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.



Scanimetrics

Jeff Hintzke • jhintzke@scanimetrics.com
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<http://www.scanimetrics.com>

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.



SUSS MicroTec Inc.

Leah McMahon • leah.mcmahon@suss.com
228 Suss Drive
Waterbury Center, VT 05677 USA
Tel: +1-802-244-5181 x333
<http://www.suss.com>

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.



sv probe
An Ellipsiz Company

SV Probe, Inc.

Karen Lynch • sales@svprobe.com
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Gilbert, AZ 85233 USA
Tel: +1-480-635-4700 • Fax: +1-480-558-7440
<http://www.svprobe.com>

BOOTH 14

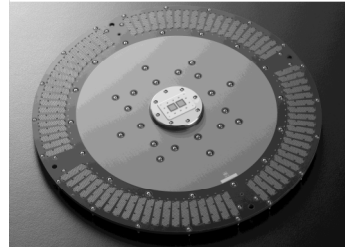
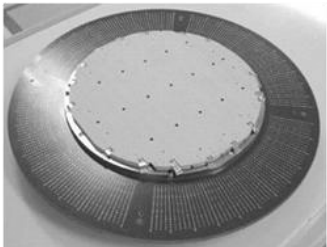
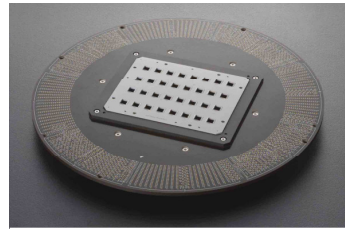
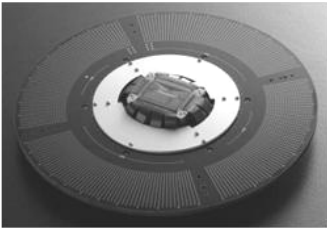
SV Probe is a leading manufacturer of cantilever, vertical and blade probe cards along with PCB/PMB design and fabrication. SV also offers complete probe card and load board turnkey services.



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



Synergetix

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Tel: +1-913-342-0404 • Fax: +1-913-342-7043

<http://www.synergetix.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

Michael Hrobath • office@tips.co.at

Getreideweg 1

Villcha A-9500 Austria

Tel: +43-4242-319720 • Fax: +43-4242-319720-4

<http://www.tip.co.at>

BOOTH 53

T.I.P.S. provides specialised test interfaces for semiconductor wafer and package in the field of Power-, Automotive- and MEMS/Sensor semiconductors: high current, high voltage, high temperature, sensor excitation. Equipment for reshaping/cleaning of probe cards: TIPS Probe Refresher.



Taconic

Tom McCarthy • tomm@4taconic.com

136 Coonbrook Road

Petersburgh, NY 12138 USA

Tel: +1-518-658-3202 • Fax: +1-518-658-3204

<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

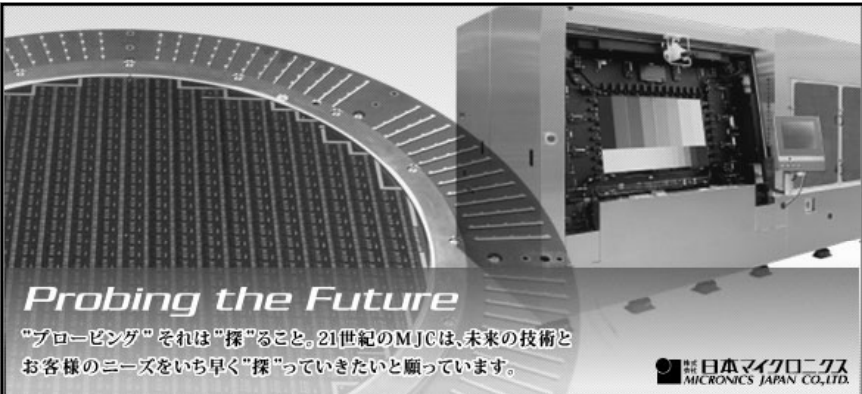
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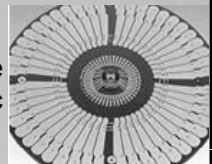
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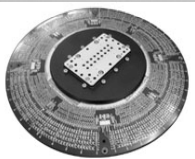
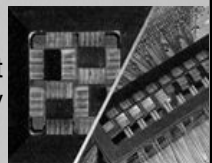
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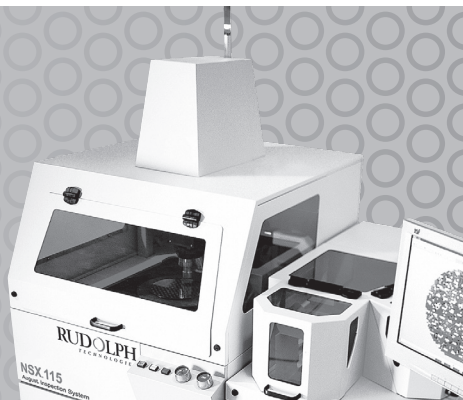
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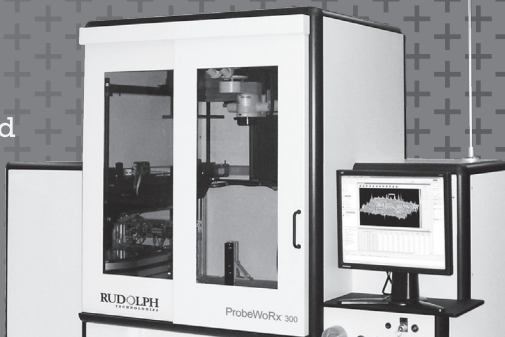
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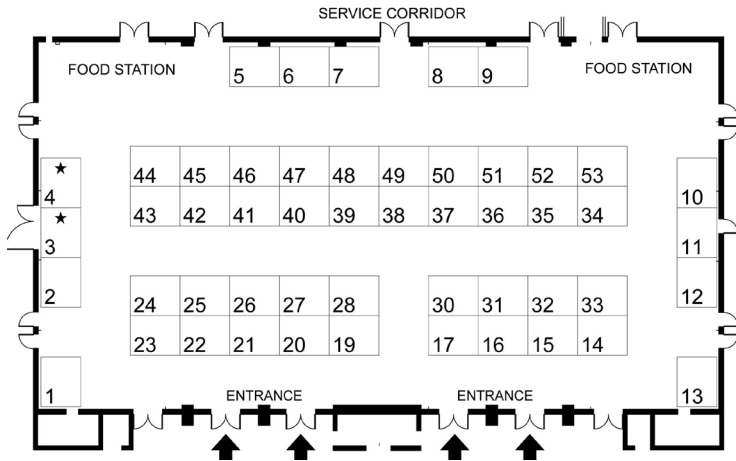
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