

GLOBAL ONLINE AUCTION

STARTING: August 22, 7:00 am ENDING: August 23, 10:00 am PDT

LOCATION:

10 Victor Square, Scotts Valley, CA 95066

VCI®



Under Instruction of Sherwood Partners

Bulk and Piecemeal Auction

A Leading Global Manufacturer of CIGS Thin-Film Solar Cells

Sale Featuring Quality Semiconductor Tooling,
Test Equipment, IT, Lab/Office Furnishings and Much More!



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GLOBAL ONLINE AUCTION

AUGUST 22-23, 2012

WEDNESDAY, 7:00 am - THURSDAY, 10:00 am PDT

AUCTIONEER'S NOTE:

HGP is pleased to be selected to conduct this Global Online Auction for **Vertical Circuits, Inc.**

This Global Online Auction features Quality Semiconductor Tooling, Test Equipment, IT, Lab/Office Furnishings and Much More.

Please view our website at www.hgpauction.com for the bidding instructions and the full terms of the sale. Thank you for your interest, and we look forward to providing you quality equipment sales and World Class Service.

PUBLIC INSPECTION AND PREVIEW:

Date/Time:

Tuesday, August 21st

(9:00am - 4:00pm) or by appointment.

Location:

**10 Victor Square
Scotts Valley, CA 95066**

ADDITIONAL INFORMATION:

For more information including a photo gallery, equipment list, terms and conditions of sale and more, please visit:

www.hgpauction.com

Buyer's Premium: 15% cash buyers; 18% for credit card purchasers (Refer to Term 7 in the Auction Terms and Conditions for details).

SALE WILL BE CONDUCTED IN ENGLISH
AND WILL ACCEPT US CURRENCY ONLY



Resonetics MicroMachining Technology RapidX130-L Micro Machining Center / Parylene Laser Ablation System

With GSI Lumonics PulseMaster-PM-846 Laser (P/N-P81000090-00). With Busch RC0021-Series Vacuum Pump, Busch Type-RC0063-A005-1001 Vacuum Pump ; Affinity RAA-012T-CE01C8D4 Chiller, Spectra Gases Dual-Cylinder Gas Cabinet And 6'L Worktable. RapidX S/N-5220 ; Lumonics S/N-E050006. RapidX Year 2009 ; Lumonics Year 2000.



Datacon Technology GmbH 2200-evo Twin-Head, Multi-Chip, Die Bonder

(12" Wafer Holder). S/N-950-2218-1808. Year-2007.



Tarrico Job#-2004-10-05. 24" x24" Autoclave

(18"x18" Usable Size Inside Working Area). With Neslab CFT-150 Refrigerated Recirculator. Includes Omega CT87HC Temperature Chart Recorder. S/N-2004-10-05. Year 2005.



Exatron 904-Cold (Hot/Cold) 3-Tray, BenchTop, Device Test Handler System

With On-Board, Tanisys Systems M600 DDR Tester. Includes Julabo Presto-RD/LH85 Temperature Recirculator. Year 2005.

SALE FEATURING QUALITY SEMICONDUCTOR TOOLING, TEST EQUIPMENT, IT, OFFICE FURNISHING AND MUCH MORE



Inspection and Workstations

Meiji / EFD Adhesive Bonding Workstation (Qty. 5)

Meiji EMZ Stereozoom Microscope ; Fostec Fiber Ring Light ; EFD Model-900 Dispensing System ; Dell AMD64 Computer (No OS) ; Sharp 17" Monitor ; Moticam #1000 Camera ; 8'L Worktable ; Chair

Allied/Buehler Met Grinder/Polisher/Saw Workstation

Consisting Of: [(Qty-2) Granite Surface Plates 18"X12"Wx3"Thk ; 2'L Worktable; 4'L Worktable ; (4 Incomplete Sets) Bars/Pins ; Magnetic Tool Stand ; Charles Water #19587 Ionizer Blow-Off Gun]

Bausch & Lomb Stereozoom-4 (0.7X - 3X) Microscope

Bausch & Lomb/Fishman Adhesive Bonding Workstation

B&L Stereozoom-4 Microscope With Ring Light ; Fishman LDS-9000 Linear Dispensing System ; 6'L Worktable ; Chair

Precision Tooling Workstation

Consisting Of: [(Qty-2) Granite Surface Plates 18"X12"Wx3"Thk ; 2'L Worktable; 4'L Worktable ; (4 Incomplete Sets) Bars/Pins ; Magnetic Tool Stand ; Charles Water #19587 Ionizer Blow-Off Gun]

Royce 552 Bond Shear Test System Workstation

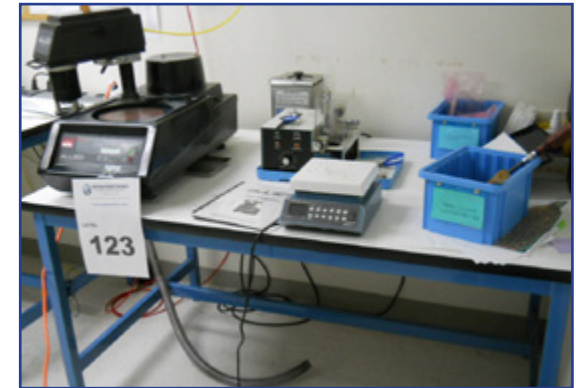
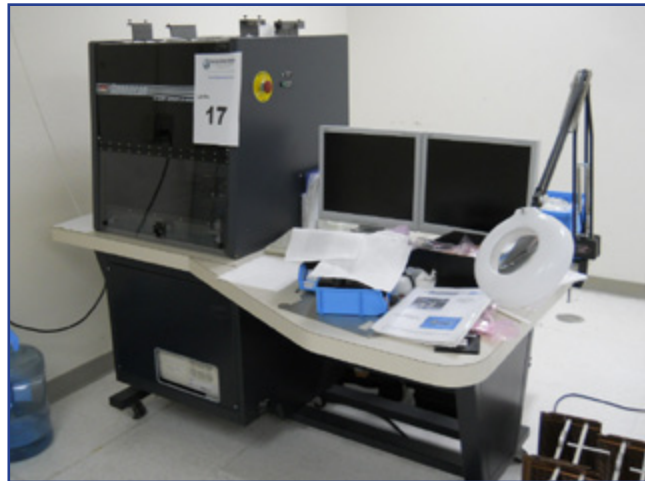
With Leica GZ6 Microscope And (4 Total) Assorted Test Modules/Fixtures. With Royce Heater Unit ; 1g -500g Weight Set ; 2kg-6kg Weight Set ; Royce Tweezer Fixture ; JH Fiber Light ; 6'L Worktable. S/N-10000488. Year 2000.

Thinky AR-250 Conditioning Mixer Station

Includes 6'L Worktable And Chair

Sonoscan C-Sam-Series-D6000 Ultrasound/Acoustic Micro Imager (Microscope)

With Sonoscan DAC225A/C THRU-Scan Arm. S/N-2212. Year 2006.



Semiconductor Equipment

Asymtek / Nordson X-1010 SMT Adhesives Dispensing System

S/N-X12658. Year 2008.

Disco DFD6361 Fully Automatic Dicing Saw, 12"

Includes(3) Perfection FFM4600-01 Transfer Cassettes And (1) Mounting Fixture. Includes Keteca ADS-2 Dimaflow Dispenser ; Nomura Micro Science Reionizing Bubbler ; 6'L Worktable. Disco S/N-KF1133 ; Keteca S/N-228001 ; N Year 2005.

FSE-ATS WE2008-0912 Wafer Expander

8-12 Inch. With 2'L Stand And 5'L Worktable. S/N-0806-002. Year 2008.

Kulicke & Soffa Triton-RDA/8068 Ribbon Deep Access, Automatic Wedge Bonder (Qty. 2)

With Auto Load & Unload. S/N-CL0605-100012. Year 2005.

Kulicke & Soffa 960-8 Wafer Mounting Station

Includes 6'L Table/Stand. S/N-508. Year 1995.

Ultron USI UH114-8 Wafer/Film Frame Applicator

Includes 6'L Table/Stand.

Ultron USI UH102-12 UV Curing System

Includes 2'L table Stand. Also Includes UVP Model-UVX Digital Radiometer With UVX-25 Attenuator.



ON BEHALF OF VERTICAL CIRCUITS, INC. A GLOBAL SUPPLIER OF ADVANCED DIE LEVEL VERTICAL INTERCONNECT PACKAGING TECHNOLOGY

Probe and Measurement Stations



Alessi LY2 Diagnostic Continuous Laser Cutting System, On Semiconductor Probe Station

With Panasonic/Sony Color Video Inspection. With Mitutoyo Objectives Lenses [M Plan NIR 50 , M Plan Apo 10 , M Plan Apo 2 , M Plan Apo 20]. Includes Table/Stand 35"L S/N-005. Year 1993.

Electroglas 2002X 8" Wafer Prober

With Olympus SZ30 Microscope.

Keithley 2602 System SourceMeter

(2) Micropositioners ; Custom Rectangular Stage With Temp Controller ; 0.7-3X Stereozoom Microscope With Boomstand ; Microtec Dual-Wand Fiber Light Source ; 6'L Worktable

Mark-10 MG-10 Thickness Measurement Stand

Precision Tooling Lot:

Mitutoyo 543-252B Digital Indicator With Granite Stand 18"x12"x3" Thick ; Fowler Phase-II Indicator With Stand ; Mitutoyo 513-401 Indicator With Stand

Rucker & Kolls 260 Wafer Prober

With B&L Stereozoom-4 Microscope.

Wentworth AWP-1080-TC Prober Station

With Wentworth AWP Controller Unit And HP 3456A Voltmeter. Includes 5'L Worktable.

Assorted Lab Equipment

March PX-1000 Plasma Etcher (Qty. 2)

With Advanced Energy ACG-10B RF Generator. With Metal Stand. S/N-9349. Year 1999.

MAP BGA Production Mold

Consisting Of: [Production mold for MAP BGA product (mold suitable on FICO MMS-1 single press station manual) molding system]] [Test mold chase] [Top parting line (two top cavity bars) for different mold cap height]

Specialty Coating Systems PDS-2060 Parylene Deposition System

With Edwards E2M40 Vacuum Pump, Spare Edwards E2M40FF Vacuum Pump, Polycold P-100ST CryoCooler. Accessories Includes: (2) Kurt J Lesker Convection Gauges, Viking Semiconductor 1010D Die Demounter, Technical Distributors 2'x2' Desiccator Cabinet, Dickson Chart Recorder, Eagle Flammable Liquids Storage Cabinet 30-Gal-Capacity, 6'H Storage Cabinet With Parts, Vertical Laminar Flow Hood 6'L With Table, (4) Cleanroom Tables, (8) Assorted Chairs. Sys S/N-135579; Manual S/N-PDS2060VrevR. Year 1999.

Yield Engineering Systems CV-108-V Downstream Plasma Resist Stripper, 8"

With Affinity FAE-012C-CE31 CA Chiller. Does Not Include Vacuum Pump. S/N-88555.



Printers

DEK 810-Series/Type-Galaxy Screen Printer

Also Includes 5'L Utility Table. S/N-292009. Year 2007.

Dimatix FujiFilm DMP-2831 Materials Printer

With Dell T3500 Computer (No OS) ; Dimatix/Dell 24" Monitor ; Table/Stand 2'L ; Worktable 6'L ; S/N-1050-1002-1110-1000.



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VCI®



Furnaces, Ovens and Temp Chambers

Blue M POM7570C-1/WP4800

Temperature And Humidity Chamber

Cascade Tek TBO-5 Forced Air Oven (Qty. 2)

With Stand. Includes Omega CT87HC Temperature Chart Recorder.

Heller 1800-EXL Reflow Oven

Also Includes 5'L And 2'L Utility Tables. S/N-0500D2A-25155. Year 2006.

Thelco/Precision Cat.No.31617 Laboratory Oven

With Table/Stand. S/N-694040754.

Yield Engineering Systems YES-450PB8-2P Polyimide Bake Processing System (Qty. 2)

With Cart/Stand. With L-H D16AC Vacuum Pump. S/N-88481.

Refrigerators and Freezers

Lot: (2) Freezer Chests

Not For Home Use. [Each 35" Lx22" Wx34" H. Kirkland Model-SCF0710KQC2 ; Kenmore Model-253.16712101]. Includes (1 Total) Omega CT87HC Temperature Chart Recorder.

Test and Handling Systems

Ambios Tech XP-2 Stylus Profiler

With Dell Pentium-4 Computer (No OS). And 17" Monitor. Also Includes 2'L Stand. S/N-175. Year 2007.

Cirrus Temperature Cycle Test Station

Consisting Of: [Cirrus Easy-Wire CR Basic Scanner Data Acquisition Base Unit ; Omega PowerPack-405 ; Blue M OV-12A Oven ; Pentium-4 Computer (No OS) ; Acer 17" Monitor ; 5'L Worktable]. S/N-24933-B ; S/N-OV1-19601

DL Tech MicroValve Dispense Link Controller

Exatron 904-Cold (Hot/Cold) 3-Tray, BenchTop, Device Test Handler System

With On-Board, Tanisys Systems M600 DDR Tester. Includes Julabo Presto-RD/LH85 Temperature Recirculator. Includes 6'H Metal Storage Cabinet With Accessories. S/N-PNP9040607209 & EXAPC0607127.

MINT Systems 7020 Memory Test System (SNTM)

With Dell Pentium-4HT Computer (No OS), Dell 17" Monitor, APC #350 UPS. Also Includes 5'L Worktable.

Tanisys Technology M600 DDR Test System

Cybernetic FCM010A/TCM010A Smart Cards, Bending & Torsion Test Station

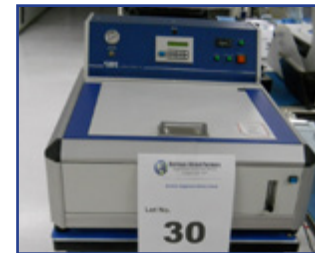
Tenney TSJR-1 Thermal-Shock, Environmental Test Chamber

With Omega Chart Recorder

King Tiger KT-2-Pro DDR Memory Devices Auto Test System

Tanisys Technology M600 DDR Test System

With Wallingford Computer (No OS) And Viewsonic 17" CRT Monitor. Includes 6'L Worktable. S/N-ECON200502145.



Partial Listing Only. Complete Sales Catalog Available Online @ www.hgpauktion.com

VERTICAL CIRCUITS, INC.: Furnaces & Ovens / Refrigerators & Freezers / Test Systems



**ON BEHALF OF VERTICAL CIRCUITS, INC. A GLOBAL SUPPLIER OF
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Lab Support Equipment

All American 25X-1 Pressure Steam Sterilizer
Datamax ProdidyMax Thermal Transfer Label Printer

EH / BK Precision / Topward Power Supplies Lot
Includes (1) EH 137A Pulse Generator; (1) Topward Dual-Tracking DC Power Supply; (1) Wavetek 193 20MHz Sweep/Modulation/generator; (1) BK Precision 1610 DC Power Supply; (1) Power Designs TP325 triple Output DC Power Supply.

HFE Vacuum Systems Turbovac/415-ST-S Vacuum Packaging Machine

Leybold Sodevac/SV40-950-05 Vacuum Pump

LeCroy WavePro-7300A 3-GHz Oscilloscope
(Dual 20 GS/s ; Quad 10 GS/s). With LeCroy WL300 Active Differential Probe.

Micromanipulator Co, Inc. 550 Transducer System

Nilfisk GM-80 Vacuum Cleaner

Quad Group Sebastian-II Die Attach Stud-Pull Tensile Tester Unit

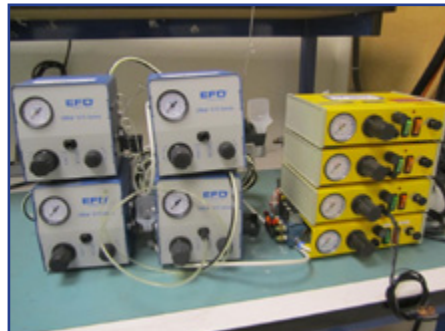
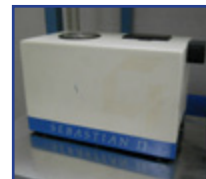
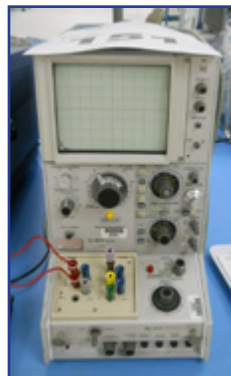
Richardson Electronics, Ltd. SM 745.001 Switching Power Generator

Tencor 10-00020 Alpha-Step
Profilometer/Surface Profiler

Tektronix 577 Curve Tracer

With #177 Standard Test Fixture.

Tuthill/Lucus M9866V Oil/Fluid Transfer Pump



Plant Support Equipment

Airo Clean Engineering Inc. 265D1RL-L1 HEPA filter

Atlas Copco GA22 (GA22FF) Stationary Air Compressor
With Parker Airtex #TW-B)Twin-Tower Air Dryer And Air Receiver Tank. Compressor Pad.

Becker VI-44 Vacuum Pump

GAST DOL-101-AA Vacuum Pump

Ionics/Aquafine DI Water System

Skid 4'Lx3'Wx6'H - Mfg Spec Plate Missing (Note: No Polish, Carbon, Or Mixed Bed Media Resin Tanks Included—Only Skid). With Aquafine UV Disinfection Lamp Unit ; (2 each of) 30µ/5µ/1µ/0.2µ blue filter Housing; Grundfos #CR2 1-HP Circulating Pump]. DI Water Closet at Clnrm-2.

Justrite Flammable Liquids Storage Cabinet

30-Gallon-Capacity

Lot: Material Handling Equipment

[Dayton #3KR84 Pallet Jack 5500-Lbs Capacity ; (2) Handtruck Dollies ; Gas Cylinder Handtruck Dolly ; Maasdam 1-Ton Pow/R-Pull ; GB #BH-75 Pipe Bender; Rigid #6S 1"-8" ; Micro General #5150-1 MailMate Scale ; Styrofoam/Popcorn Hopper-Dispenser]

Drill Press Lot:

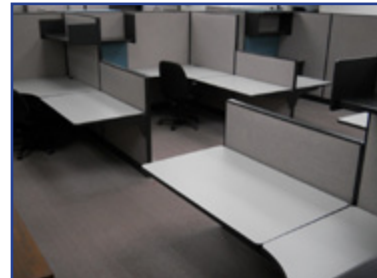
Central Machinery #815B Benchtop Drill Press And Skil #3370 4"Belt/6"Disc Sander.

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ASSORTED Modular Office Furniture, Artwork, Reception Area, Lab Furniture, Cafeteria, Executive Offices & Conference Rooms, Partition Cubicles Workstations and Much More!



Office Equipment

- Lateral/Plan File Cabinets
- Refrigerators/Freezers
- Projectors
- Assorted Printers, Scanners and Copiers
- Lab/Office Chairs
- Digital Scales
- Telephone Systems
- Lockers
- Computers, Laptops and Related Equipment
- Much More Available Online!



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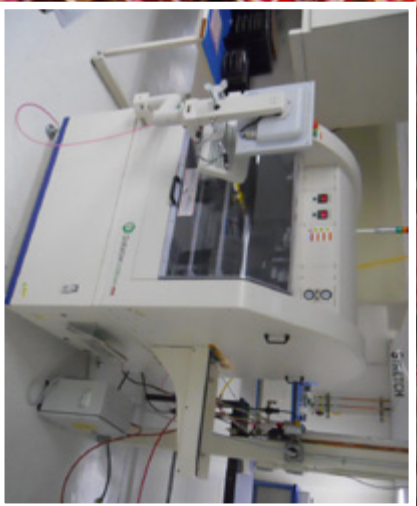
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On behalf of:



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AFFILIATIONS



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Global Headquarters: San Diego, California