

*By Order of Seagate Technologies Assets Surplus to On-Going Operations*

## Seagate



## Disc Drive and Electronic Test and Lab Equipment



**Online Bidding Opens: Wednesday, July 9<sup>th</sup> • 10AM Local Time**  
**Online Bidding Closes: Wednesday, July 16<sup>th</sup>**  
**Multiple Locations**

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Assets Surplus to On-Going Operations



## ONLINE BIDDING OPENS

WEDNESDAY, JULY 9<sup>TH</sup>  
BEGINNING AT 10AM LOCAL TIME

## ONLINE BIDDING CLOSES

WEDNESDAY, JULY 16<sup>TH</sup>

CHECK [WWW.HILCOIND.COM](http://WWW.HILCOIND.COM) FOR CLOSING TIMES

## PREVIEW

BY APPOINTMENT ONLY

TO SCHEDULE AN INSPECTION, PLEASE CONTACT  
CHRIS JOCK AT 443-945-2315 OR  
EMAIL [CJOCK@HILCOGLOBAL.COM](mailto:CJOCK@HILCOGLOBAL.COM)

## ASSET LOCATIONS

- 1157 VALLEY PARK DR. • SHAKOPEE, MN 55379
- 389 DISC DR. • LONGMONT, CO 80503
- 333 SOUTH ST. • SHREWSBURY, MA 01545
- 215 EL PUEBLO RD • SCOTTS VALLEY, CA 95066

## FURTHER INFORMATION

- AN 18% BUYER'S PREMIUM WILL BE CHARGED ON ALL ASSETS. THE BUYER'S PREMIUM WILL BE REDUCED TO 16% FOR PAYMENTS MADE BY MEANS OF CASH, CASHIER'S CHECK, COMPANY CHECK (WITH BANK LETTER OF GUARANTEE) OR WIRE TRANSFER WITHIN 48 HOURS OF SALE CLOSE. AUCTION WILL BE CONDUCTED IN ENGLISH, ACCEPTING U.S. CURRENCY ONLY.
- REMOVAL DEADLINE WILL BE POSTED ON OUR WEBSITE, WITH HOURS OF REMOVAL BETWEEN 8AM TO 4PM MONDAY THRU FRIDAY. BUYERS WITH ITEMS LEFT ON SITE AFTER DEADLINE ARE SUBJECT TO FINES OF \$500 PER DAY.

### MACHINERY & EQUIPMENT

CHRIS JOCK 443-945-2315 • [CJOCK@HILCOGLOBAL.COM](mailto:CJOCK@HILCOGLOBAL.COM)

### PAYMENT INFORMATION

LESIA JOSEPH 616-328-6892 • [LJOSEPH@HILCOGLOBAL.COM](mailto:LJOSEPH@HILCOGLOBAL.COM)  
HILCO ACCOUNTS RECEIVABLE AT [HIN\\_AR@HILCOGLOBAL.COM](mailto:HIN_AR@HILCOGLOBAL.COM)

### CUSTOMER SERVICE

+1 877-37-HILCO • +1 616-732-1800 • [INFO@HILCOIND.COM](mailto:INFO@HILCOIND.COM)  
SANDI NEELY AT 248-254-9999 X16 • [SNEELY@HILCOGLOBAL.COM](mailto:SNEELY@HILCOGLOBAL.COM)

*Information contained herein deemed to be accurate at time of printing and subject to change.  
For updated information, please visit our website at [www.hilcoind.com](http://www.hilcoind.com) for any changes to  
date, sale process, terms and conditions and list of available assets.*



**Register and Bid  
Online Only at  
[www.hilcoind.com](http://www.hilcoind.com)**





## ELECTRONIC MANUFACTURING & ASSEMBLY

- 1 – BRANSON MODEL A12300-02 PLASMA ETCHER, S/N M908250-01, Includes: 2000T+ Controller, Trivac D65BCS Pump, and PM 132 RF Generator
  - 1 – MODEL 682 ETCHING COATING SYSTEM, S/N 99031901, with 681-20000 Film Thickness Monitor
  - 1 – VERTEK MODEL FRS4-31L W/HTR MEGASONIC CLEANING MACHINE, S/N 57181 (2003)
  - 1 – FORWARD TECHNOLOGY AQUEOUS CLEANER, with Cleaning Line, Power Cabinet, Control Cabinet
  - 1 – CUSTOM DESIGNED & FABRICATED HOT GAS REFLOW STATION, with Power Cabinet, Control Panel, Feeder/Conveyor, and Custom Hard Disk Fixture
  - 1 – WEST-BOND, INC. MODEL 7700E-79C MANUAL BALL WEDGE WIRE BONDING MACHINE, S/N 15773, with Model 228-1 Controller
  - 1 – ESPEC MODEL PH-201 THERMAL TRANSFER CURVE TESTER, S/N 212010724, with Espec PH-201 Temperature Chamber, Power Cabinet, 4 Mach 4 Power Amplifiers, and Toshiba 1400XL Plus UPS
- QUANTITY OF Process Lights, Connective Cabling, Banner Laser Curtain Parts, Panduit Parts and Shuttle Conveyor Parts



## ANALYZERS

- 1 – INTEGRAL SOLUTIONS INTERNATIONAL MODEL BLAZER X5L BAR LEVEL ANALYZER, S/N 5004 (2003), Cabinet Base
- 1 – HEWLETT PACKARD MODEL 8590B SPECTRUM ANALYZER, S/N 3044A01293, 9kHz – 1.8GHz, with Option 021
- 6 – LECROY MODEL 10000 UNIVERSAL PROTOCOL ANALYZERS
- 1 – HEWLETT PACKARD MODEL 3561A DYNAMIC SIGNAL ANALYZER, S/N 2735A04321, with Option 001
- 2 – LECROY MODEL DDA-120 DISK DRIVE ANALYZERS, S/Ns 10049, 10201 (Both 1998), Single = 8GS/s @ 16Mpt, Quad = 2GS/s @ 4Mpt
- 4 – INFICON MODEL TRANSPECTOR 2 ANALYZERS
- 3 – LECROY MODEL 10000 ANALYZERS, CATC 4G Fibre Channel
- 1 – TEKTRONIX MODEL TLA714 LOGIC ANALYZER, with Color Portable Mainframe & TLA7N3 Card
- 2 – HP MODEL 3562A DYNAMIC SIGNAL ANALYZERS
- 5 – LECROY MODEL 1000 CATC PROTOCOL ANALYZERS
- 5 – MODEL XGIG FINISAR LOGIC ANALYZERS



## OSCILLOSCOPES

- 1 – LECROY MODEL WAVEPRO 960 2GHZ OSCILLOSCOPE, S/N 2607, with AP020 Active Probe
- 1 – TEKTRONIX MODEL TDS 784 COLOR 4 CHANNEL DIGITALIZING OSCILLOSCOPE, S/N B040883, with InstaVu Acquisition, 1GHz, 4GS/s
- 2 – LECROY 1 GHZ OSCILLOSCOPES, Model LC534 S/N 1074, Model LC574A S/N 1124, Single = 2GS/S, Quad = 500MS
- 1 – TEKTRONIX MODEL TDS 744A OSCILLOSCOPE, S/N B040981, Color Four Channel, 500MHz / 2GS/s. With InstaVu Acquisition
- 2 – LECROY 500MHZ OSCILLOSCOPES, Model 9254AM S/N 8319, Model 9350AL S/N 1583
- 1 – TEKTRONIX MODEL 2465B 400MHZ OSCILLOSCOPE, S/N N/A, Quad Channel, with Cart
- 1 – TEKTRONIX DIGITAL PHOSPHOR OSCILLOSCOPE

## TEST CHAMBERS

- 1 – CINCINNATI MODEL ZH-8-1-1-H/AC ENVIRONMENTAL TEST CHAMBER, S/N ZF9011281, 208VAC, 60Hz, 3 Phase, with R-502 and R-13 Refrigerant, 155PSIG
- 2 – ENVIROTRONICS MODEL SH27C ENVIRONMENTAL TEST CHAMBERS, S/Ns 08994737-S-11046, 08994736-S-11044 (Both 1999), 230V, 1 Phase, 60Hz
- 1 – CINCINNATI MODEL ZH-8-1-H/AC ENVIRONMENTAL TEMPERATURE CHAMBER
- 1 – ESPEC MODEL LU-113 TEST CHAMBER, S/N 1012001861



## TEST & MEASUREMENT

- 1 – CANON MODEL RS-2050U TESTER, S/N 90019 (2004), with a Herzan Model AVI-KT75L Table with Digital Clean Air/Vacuum Stage and Vacuum Media Digital Display Controller
  - 1 – THERMO ELECTRON CORP. MODEL EMC PRO IMMUNITY TEST SYSTEM, S/N 0403274, Includes CM-3CD Coupler/Decoupler
  - 1 – J.A. WOOLLAM CO., INC. ELLIPSOMETER SYSTEM, with EC-270 Control Module, M-88 Interface, INP-500 Interface, and J.A. Power Supply
  - 1 – MITUTOYO MODEL SURFTEST – 402 SURFACE TESTER, with Carrying Case and Digital Display
  - 1 – HEWLETT PACKARD / AGILENT MODEL E5022A HARD DISK READ / WRITE TEST SYSTEM, S/N JP2KF00340, with E8401A VXI Mainframe, Modules E8491B, 2 E5035B, E5037C, E5039C, E5037D, E5040A
  - 1 – HEWLETT PACKARD MODEL 4285A PRECISION LCR METER, S/N 3041J02295, 75kHz-30MHz
  - 1 – KEITHLEY MODEL 2001 MULTIMETER, S/N N/A
  - 1 – KEITHLEY MODEL 7001 SWITCH, S/N 672495
  - 2 – HEWLETT PACKARD PROBE CONTROLLERS, S/Ns 3206A00263 / US34510849, (1) Model 1143A, (1) Model 1142A
  - 1 – KROHN HITE MODEL 3901 HP/LP ELLIPTICAL 2 CHANNEL FILTER, S/N 2046
  - 3 – MODUS INSTRUMENTS LEAK DETECTORS, (2) Model Leak Detector and (1) Model Tape Seal Detector
  - 1 – NOVACURE EFOS UV SPOT CURING SYSTEM
  - 1 – KROHN HITE MODEL 3901 HP/LP ELLIPTICAL 2 CHANNEL FILTER, S/N 15167
  - 1 – DOVER INSTRUMENTS MODEL DMM-2008 MULTI AXIS MOTION CONTROLLER, with Klinger Switch Box and Volt Display Controller
  - 7 – PARTICLE MEASUREMENT SYSTEMS LASER PARTICLE COUNTERS, Models Lasair 101, 310, 1001, 1002 (To 2005)
  - 1 – NATIONAL INSTRUMENTS MODEL PXI-1002 INTERFACE SWITCH, with Internal Cards, with (1) PXI-8156B Card and (1) 6040E Card
  - 6 – PCB VIBRATION MONITOR UNITS, (4) Model 487A12, (1) Model 487M254, and (1) Model 487M256
  - 1 – FLUKE MODEL HYDRA 2620A DATA ACQUISITION UNIT, S/N 6298000, with Power Cord
  - 2 – MODEL 224-PCXR8 SKC AIR CHECK SAMPLERS, with Protective Cases
  - 5 – TEKTRONIX SIGNAL CONDITIONER RACK CONTROLLERS, (2) Dytran Model 4121, (1) Dytran Model 4116, (1) Dytran Model 4120, (1) Dytran Model 4122, (5) Tektronix Amplifiers Model P6046
  - 1 – FLUKE MODEL 199B SCOPE METER, with Case and Leads, 200MHz 2.5GS/s
- QUANTITY OF** Test & Measurement Units, Signal Conditioners, Probes, Force Gauges, Microtector Units, UV Powermeter, Controllers, Power Supplies, Spare / Replacement Parts, Etc.







**BOX TRUCK**

1 – GMC MODEL V8 EFI BOX TRUCK, VIN 4KDC4B1R7XJ002905 (1999), Mileage: 38,482

**SUPPORT EQUIPMENT**

- 1 – DOVER INSTRUMENTS CAT # NP000058 MOTOR, S/N 19694
- 8 – HEWLETT PACKARD MODEL STORAGE WORKS 14 BAY HARD DRIVE STORAGE RACKS, with 300-450GB Hard Drives
- 2 – HP MODEL 6031A POWER SUPPLIES
- 2 – GAGE MODEL 1610 COMPUSCOPE BUFFER UNITS
- 1 – CSS FIBER CHANNEL TEST RACK
- 1 – GE MODEL 5KS286BC115 MOTOR, 30HP
- 11 – ION SYSTEMS MODEL 5810

1 – CREST MODEL WRS-1014 ULTRASONIC CLEANER, with (2) Genesis Ultrasonic Generators and Ultrasonic DI Heater Unit

**QUANTITY OF PLANT SUPPORT EQUIPMENT, Including:** Assorted Spare / Replacement Parts, Hardware Storage Units, Motors, Heat Exchangers, Lab Glassware, Plastic Pallets, Tool Box, Spare Parts, Etc.

**QUANTITY OF OFFICE & LAB FURNITURE & EQUIPMENT, Including:** Work Stations, File & Display Cabinets, Mobile & Metro Racks, Desks, Exercise Station, Food & Beverage Equipment, Etc.



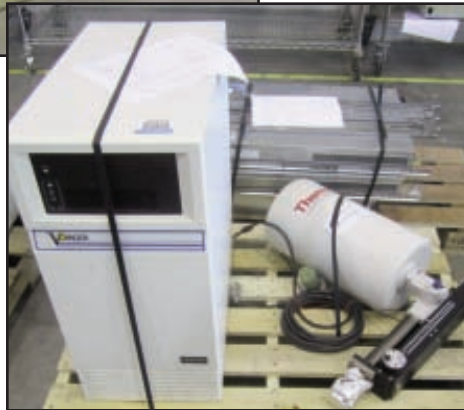
**LABORATORY INSPECTION EQUIPMENT**

- 1 – OXFORD MODEL 7274 INCA MICROANALYSIS SYSTEM, S/N 03915-2280-01-51, Det Area: 10mm<sup>2</sup>, Window = ATW2, Resolution @ 5.9keV = 133eV. Unit Includes Box of Parts
- 1 – MODEL VGR-4 MICROANALYSIS SYSTEM, S/N 0997572, with Noran Instruments Voyager VGR-4 Microanalysis System and Thermo Electron 6644C Dewar / Cryo Tank
- 1 – MITUTOYO MODEL FS110 WAFER INSPECTION MICROSCOPE, For Parts – Non-functional, Includes Power Supply, Light Source, Switches, Controller
- 1 – CUMMING CORPORATION MODEL AEREON HN-2 ANTI STATIC BLASTER UNIT, with Tubing
- 1 – CTI CRYOGENICS MODEL 8200 COMPRESSOR, S/N A07566082, 220V
- 3 – ZEISS MICROSCOPES, (2) Model 100X, (1) Model TM

**IT EQUIPMENT**

- 5 – HEWLETT PACKARD MODEL PROLIANT 585 & DL360 SERVERS, Hard Drives Removed
- 5 – DUKANE MODEL SF4030 OVERHEAD PROJECTORS
- 8 – ARM ELECTRONICS MODEL MULTI ICE REALVIEW INTERFACE UNITS
- 1 – INFOCUS MODEL LP735 PROJECTOR, with Carrying Case
- 1 – MODEL BOSE ACOUSTIMASS 5 SPEAKER UNIT, Series N, without Power Cable
- 1 – SHARP MODEL LC-52D62U 52" LCD TELEVISION, S/N N/A, 120V, 60 Hz
- 16 – COMTROL MODEL ROCKETPORT NETWORK SWITCHES, RM32-RJ45

**QUANTITY OF APC UPS Units, Screens, Network & Rack Servers (Hard Drives Removed), Etc.**







 **Hilco**™ Industrial

**ONLINE AUCTION**

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## Disc Drive and Electronic Test and Lab Equipment



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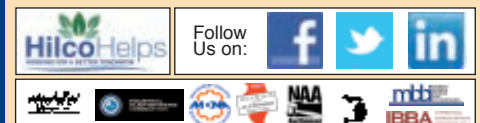
### Terms of Sale


An 18% buyer's premium will be charged on all assets. The buyer's premium will be reduced to 16% for payments made by means of cash, cashier's check, company check (with bank letter of guarantee) or wire transfer within 48 hours of sale close. Everything will be sold online to the highest bidder for cash, in accordance with the Auctioneer's customary "Terms of Sale", copies of which will be posted online. All items will be sold "as is, where-is" without any warranties, expressed or implied. Although obtained from sources deemed reliable, the Auctioneer makes no warranty or guarantee to the accuracy of the information herein contained. Bidders are encouraged to thoroughly inspect the items on which they intend to bid prior to sale. Absolutely no items will be removed until the day after the conclusion of the sale and payment is made in full. Subject to additions, deletions and prior sale. For updated information, please visit our website at [www.hilcoind.com](http://www.hilcoind.com) for any date, sale process, terms and conditions and list of available assets.

**Payment:** ALL PURCHASES MUST BE PAID IN FULL ON THE DAY OF THE AUCTION. If you intend to pay by wire transfer, we will accept payment the day after the sale ONLY IF a deposit of 25% of total purchases is made on the day of the sale. Contact our office for wire transfer instructions. Only cash, wire transfer or certified check, payable to Hilco Industrial will be accepted. Company checks payable to Hilco Industrial will be accepted only if accompanied by a bank letter of guarantee, (see sample letter below). All sales are subject to sales tax. Purchasers claiming exemptions from taxes must provide proof satisfactory to the Auctioneer of their entitlement to claim such exemptions.

### Sample Bank Letter

(Bank Name) unconditionally guarantees payment to Hilco Industrial from (Company Name). This guarantee will be valid for purchases made at the Auction of Seagate USA #14 on July 9-16, 2014.



 | A Hilco Global Company  
 Vested in Your Success