AUCTION

Huge 2-Day Multi-Million Dollar Equipment Offering



Data Physics SignalForce LE-308 Electrodynamic Shaker

Assets Formerly of

N2 IMAGING SYSTEMS

Fully Integrated Electro Optic Mfg. Facility

Machine Tools – Injection Molders – Back-End (BEOL)
Semiconductor – Test & Measurement
Inspection – Vehicles – Support – Over 2,000 Lots

Equipment Locations:
14430 Myford Rd., Irvine, CA 92606
14341 Chambers Rd., Tustin, CA 92780
14440 Myford Rd., Irvine, CA 92606

Inspection/Preview:
By Appointment Only
Monday, November 29th
Tuesday, November 30th
9:00 a.m. – 4:00 p.m. (PST)



DMG Mori NXH 4000 4-Axis Horizontal Machining Centers



Electro Optical LTP-12-12WM-CDS100-04 Collimator

Entertaining Pre-Auction Offers on Major Machines & Large Packages of Equipment
Contact Marc Mazzalupo at (860) 460-8911 or marc@thebranfordgroup.com

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In Conjunction With:
Maynards Industries (1991) Inc. SINCE 1902
AUCTIONEERS | LIQUIDATORS | APPRAISERS



MicroAssembly Technology (MAT) Model 6400 Fully Automatic Die Attach System



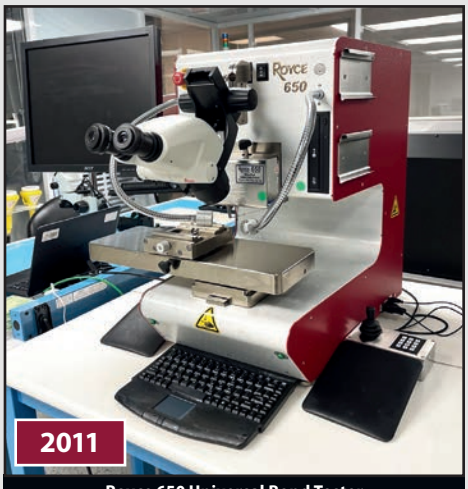
Palomar 3800 Die Bonder



Hesse Bondjet 820 High-Speed Fully Automatic Wedge Bonder



Palomar 8000i Wire Bonder



Royce 650 Universal Bond Tester



Bowman BA-100 XRF Coating Thickness Measurement System



SST International Model 3150 High Vacuum Furnace



Nordson March AP-300 Vacuum Plasma Treatment System

Back-End Semiconductor Equipment (BEOL)

- **2019 SemiProbe SA-6 150mm Semiautomatic Probe System**
- **2017 MicroAssembly Technology (MAT),** Model 6400, Fully Automatic Die Attach System
- **2014 Hesse Bondjet 820 High-Speed Fully Automatic Wedge Bonder**
- **2017 Palomar 8000i Wire Bonder**
- **2012 Palomar 8000 Wire Bonder**
- **2012 Palomar 3800 Die Bonder**
- **2011 Royce 650 Universal Bond Tester**
- **2021 Bowman BA-100 XRF Coating Thickness Measurement System**
- **(2) 2012 SST International,** Model 3150, High Vacuum Furnaces
- **2012 Signatone 1160 Probe Station,** w/Nikon SMZ-168 Microscope
- **Santa Barbara Infrared Camera,** w/Blackbody Controller
- **Pritchard PR880 Automatic Filter Colorimeter/Photometer,** w/Box
- **2012 Nordson March AP-300 Vacuum Plasma Treatment System**



Terra Universal Class 1000 Modular Clean Room

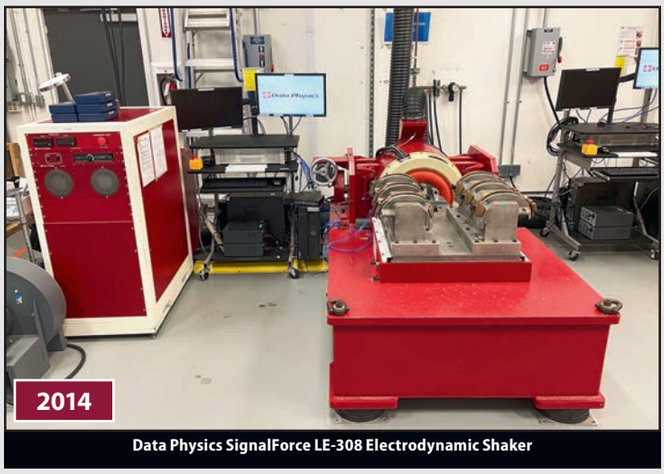

Nikon Optiphot 150 Trinocular Inspection Microscope



Trioptics ImageMaster HR MFT Test Station

Lab Equipment

- **Terra Universal Class 1000 Modular Clean Room (36' x 48'),** Gowning Area, (2) Automatic Doors, (2) Air Handling Units
- **Terra Universal Class 1000 Modular Clean Room (32' x 38'),** Gowning Area, (2) Automatic Doors, (2) Bard H60A2-A00 Air Handling Units
- **Terra Universal Class 1000 Modular Clean Room (14' x 32'),** Gowning Area, Air Handling Units
- **(3) 2017 Trioptics ImageMaster HR MFT Test Stations**
- **Nikon Optiphot 150 Trinocular Inspection Microscope**
- **(10+) Newport/TMC Optical Isolation Tables,** Various Sizes
- **Other Equipment Including: Accu-Scope, AmScope, Leica, Nikon, Richter Optica and Scienscope Microscopes, Terra Universal SS Laminar Flow Bench, (6) Horizontal Flow Clean Benches, Large Quantity of IAC 30" D x 6' Workbenches, Cleatech Desiccators, Sartorius LMA100 Moisture Analyzer, Hot Plates, Ovens, Scales, Cabinets, Metcal MX-500 Solder Stations, Loctite 100W UV Curing Wand and Dispensers**



Data Physics SignalForce LE-308 Electrodynamic Shaker



Santa Barbara Collimator, Newport Vision IsoStation

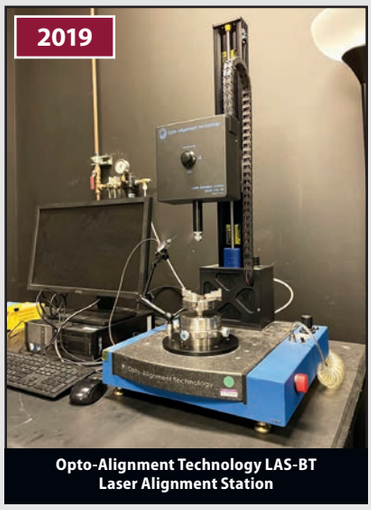
Test Equipment

- **2020 Electro Optical LTP-12-12WM-CDS100-04 Collimator,** w/ Blackbody Source, Controller, Fixtures
- **(2) 2016 and 2014 Data Physics SignalForce Electrodynamic Shakers,** Model LE-308-3/DSA10-20K, Vibration Testers
- **Infrared Low Level Light Testing Bench Including: Santa Barbara STC630 Off-Axis Newtonian Collimator, Blackbody Source, Photo Research LiteMate Pro 550 Portable Photometer, Optronics Integrating Sphere Calibration Stand, Gooch & Housego OL-462 Controller**
- **(2) Hyper Focal Test Benches, Including: Santa Barbara STC630Z1 Collimator, Blackbody Source, DC Power Supply and Computer**
- **(3) Alignment Test Benches, Including: Santa Barbara STC630 Collimator, Blackbody Source, Newport ESP301 Motion Controller, DC Power Supply, Newport Vision IsoStation 36" x 72" Vibration Isolation Workstation**
- **2019 Opto-Alignment Technology LAS-BT Laser Alignment Station**
- **Large Quantity of Test and Measurement Equipment from BK Precision, Arroyo, Agilent, Tektronix, Fluke, Tenma, GW Instek, Keysight, Teledyne, Extech and Unisource Including: Power Supplies, Oscilloscopes, Power Meters, Multimeters and More**
- **Uson I-1BSPV Leak TestersArroyo Instruments**


Arroyo Instruments 5305 TECSource Temperature Controllers

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Opto-Alignment Technology LAS-BT Laser Alignment Station

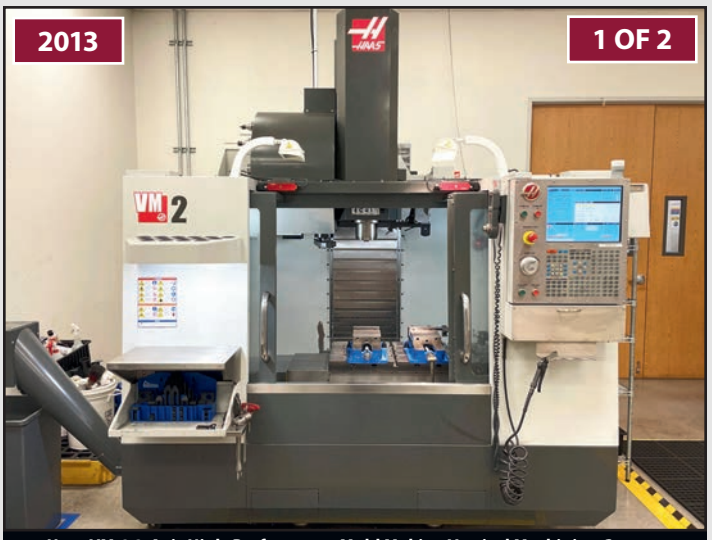

Infrared Low Level Light Testing Bench


BK Precision 1692 DC Regulated Power Supply Units

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DMG Mori DMU 50 5-Axis Universal Milling Machine



Haas VM-2 3-Axis High-Performance Mold Making Vertical Machining Centers



GF Mikron HSM 500 LP 3-Axis High-Speed Milling Machine

Horizontal Machining Centers

- **(2) 2016 DMG Mori NXH 4000 4-Axis Horizontal Machining Centers,** 15,000 Max. RPM

Vertical Machining Centers

- **2015 DMG Mori DMU 50 5-Axis Universal Milling Machine,** 14,000 Max. RPM
- **2013 GF Mikron HSM 500 LP 3-Axis High-Speed Milling Machine,** 30,000 Max. RPM
- **(2) 2013-2012 Haas VM-2 3-Axis Vertical Machining Centers,** 12,000 Max. RPM
- **Haas VF-2B 3-Axis Vertical Machining Center,** 7,500 Max. RPM
- **(2) 2013 Haas VF-1 3-Axis Vertical Machining Centers,** 15,000 Max. RPM
- **(2) 2012 Haas DT-1 3-Axis High-Speed Drill and Tapping Center,** 15,000 Max. RPM, Midaco ADT-1SD Automatic Pallet Changer
- **(4) 2011-2009 Haas OM-2A High-Speed 3-Axis Vertical Machining Centers,** 40,000 Max. RPM
- **(2) Haas 4-Axis Super Mini Mills,** 10,000 Max. RPM
- **(2) Haas 3-Axis Super Mini Mills,** 10,000 Max. RPM

Lathes

- **2015 Tsugami B0326-II Swiss-Type 6-Axis CNC Lathe,** 32mm Bar Capacity w/Edge Patriot 338 Bar Feeder
- **2012 Tsugami B0125-II Swiss-Type 5-Axis CNC Lathe,** 12mm Bar Capacity w/Edge Minuteman 320 SE Bar Feeder
- **2012 Mori Seiki NL1500SY/500 4-Axis CNC Turning Center,** w/ATS ML-565 Bar Feeder
- **Haas SL30 CNC Turning Center**
- **Haas SL20T CNC Turning Center**



Tsugami B0326-II Swiss-Type 6-Axis CNC Lathe



Haas OM-2A High-Speed 3-Axis Vertical Machining Center



Haas DT-1 3-Axis High-Speed Drill and Tapping Centers



Mori Seiki NL1500SY-500 4-Axis CNC Turning Center



Kimastle Robotic Laser Flex Cell

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Plastic Injection Molding & Assembly

- 2014 Arburg 110-Ton Allrounder 470E 1000-290 Electric Horizontal
- 2011 Arburg 55-Ton Allrounder 375V 500-170 Vertical
- 2012 Arburg 28-Ton Allrounder 270S 250-70 Horizontal
- Conair and ThermalCare Temperature Controllers
- DriAir and Conair Material Dryers
- (2) 2016 Branson 2000X Ultrasonic Welders
- 2013 Branson 2000iw+ Ultrasonic Welder
- Branson Omni-2000 3-Tank SS Ultrasonic Cleaning System



Arburg 28-Ton Allrounder 270S 250-70 Horizontal



Arburg 55-Ton Allrounder 375V 500-170 Vertical



Arburg 110-Ton Allrounder 470E 1000-290 Electric Horizontal

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Branson TPX-201 Thermal Staking Machine



Branson 2000X Ultrasonic Welders



Branson 2000iw+ Ultrasonic Welder



Cincinnati Sub-Zero ZPHS-32-6-6-SC/WC Environmental Test Chambers



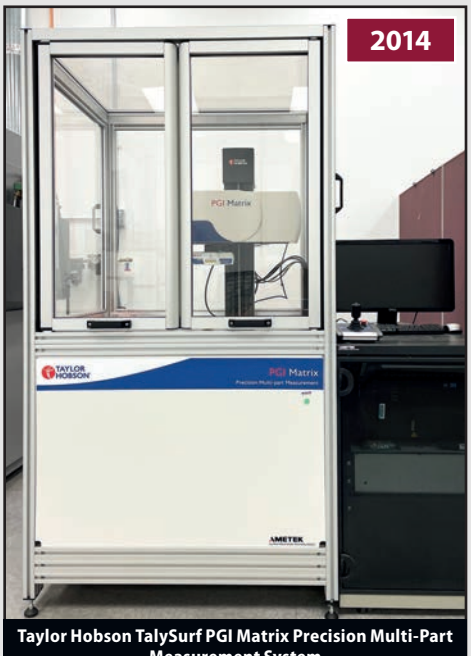
Cincinnati Sub-Zero VTS-3-6-6-SC/AC Vertical Thermal Shock Chamber

Environmental Chambers/ Ovens/Furnaces

- **(5) 2017 Cincinnati Sub-Zero ZPHS-32-6-6-SC/WC Environmental Test Chambers,** Workspace Dimensions: 38"W x 38"D x 38"H, -99.4°F to +375°F
- **(7) 2010-2015 Cincinnati Sub-Zero ZPHS-32-2-2-H/AC Environmental Test Chambers,** Workspace Dimensions: 38"W x 38"D x 38"H, -99.4°F to +375°F
- **2015 Cincinnati Sub-Zero VTS-3-6-6-SC/AC Vertical Thermal Shock Chamber**
- **(2) 2010 Cincinnati Sub-Zero ZPHS-8-2-2-H/AC Temperature and Humidity Chambers**
- **Cincinnati Sub-Zero VTS-1.0-2-2-H/AC Vertical Thermal Shock Chamber**
- **(2) 2020 Associated Environmental Systems ZSD-308 Environmental Test Chambers**
- **(9) Associated Environmental Systems SD-308 Environmental Test Chambers**
- **TestEquity 3007C Temperature Chamber,** -99.4°F to +347°F
- **(2) Yield Engineering Systems (YES) Vacuum Ovens**
- **Cress Electric Furnace,** Model C136/ PM4HLC, 10.5" x 13" x 8" Chamber Size, 2,000°F



Zeiss Contura 7/10/6 RDS CMM



Taylor Hobson TalySurf PGI Matrix Precision Multi-Part Measurement System


Starrett HF600 24" Optical Comparator



Zeiss O-Inspect 442 Multi-Sensor CMM

Inspection

- **2015 Zeiss Contura 7/10/6 RDS CMM**
- **2013 Zeiss Contura G2 7/10/6 RDS CMM**
- **2015 Zeiss Micura 5/5/5 XT CMM**
- **2011 Zeiss DuraMax 5/5/5 CMM**
- **2010 Zeiss O-Inspect 442 Multi-Sensor CMM**
- **2014 Taylor Hobson TalySurf PGI Matrix Precision Multi-Part Measurement System**
- **Starrett HF600 24" Optical Comparator**
- **2014 Nikon V-12B 12" Optical Comparator**
- **Miscellaneous Inspection Equipment Including: Mitutoyo SJ-40 Surface Roughness Tester, Granite Surface Plates, Micrometers, Height Gauges, Pin Gages, Block Gages, Bore Gages, Ring Gages, Thread Gages, Angle Blocks, Etc.**



AgieCharmilles Form P 350 Sinker EDM



Sodick SL400G Wire-Cut EDM

Electrical Discharge Machines

- 2019 AgieCharmilles Form P 350 Sinker EDM
- 2013 Sodick SL400G Wire-Cut EDM
- 2011 Sodick AG40L Sinker EDM
- 2014 GF Agie Charmilles Drill 20 Hole Drilling EDM



Hydmech 9" x 9" Automatic Horizontal Band Saw, Model H-230A



Mitsui 6" x 12" Surface Grinder, Model MSG-200MH



GF AgieCharmilles Drill 20 Hole Drilling EDM



Donaldson Torit 7.5 HP Dust Collector, Model DFO2-4



Kardex Remstar Shuttle XP 500 Vertical Lift Module



Epilog Fusion M2 60-Watt CO2 Laser Engraver

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Support Equipment

- **2018 Kimastle Robotic Laser Flex Cell,** w/ Fanuc LR Mate 200iD/7L Robot, Allen Bradley PanelView Plus 1000 Touch Screen Control
- **2016 Branson TPX-201 Thermal Staking Machine**
- **2017 Epilog Fusion M2 60-Watt CO2 Laser Engraver**
- **2011 Kent 16" x 40" Automatic Surface Grinder,** Model SGS-1640AHD
- **2013 Mitsui 6" x 12" Surface Grinder,** Model MSG-200MH
- **2011 Rego-Fix PGU9000 powRgrip Tool Setter**
- **Approximately (350) Tool Holders for CNC Machine Tools**
- **2018 Hydmech 9" x 9" Automatic Horizontal Band Saw,** Model H-230A
- **Clausing Kalamazoo 10" x 16" Horizontal Band Saw,** Model KC1016W1
- **MBA N-200 Abrasive Sand Blast Cabinet**
- **Donaldson Torit 7.5 HP Dust Collector,** Model DFO2-4
- **2017 Kardex Remstar Shuttle XP 500 Vertical Lift Module**
- **Lista Cabinets, Flammable Liquid Storage Cabinets, Pallet Racking, Wire and Chrome Racks, Spanco 1,000-Lb. Cap. Freestanding Bridge Crane, Pittsburgh 1-Ton Gantry Crane**



Ford Transit 250 Van, High Roof



Chevrolet Silverado 1500 LT 4-Door Crew Cab Pickup Truck



Caterpillar 2,950 Lb. Cap. Electric Forklift



Atlas Copco 40 HP Air Compressor



Atlas Copco 35 HP Air Compressor

Vehicle /Forklift

- **2018 Ford Transit 250 Van,** High Roof, Very Low Mileage
- **2016 Chevrolet Silverado 1500 LT 4-Door Crew Cab Pickup Truck**
- **Caterpillar 2,950 Lb. Cap. Electric Forklift,** Model EC20K, 2-Stage Mast, 131"

Air Compressors

- **2015 Atlas Copco 35-HP Variable Speed Air Compressor,** Model GA26VSD+
- **2013 Atlas Copco 40 HP Variable Speed Air Compressor,** Model GA30VSD FF
- **2013 Atlas Copco 20-HP Variable Speed Air Compressor,** Model GA15VSD+ FF
- **Almig 10 HP Horizontal Tank Mounted Air Compressor,** Model Combi8/102020

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