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# DoveBid® Webcast Auction

by order of



*Broad Range of Surface Mount  
Technology and Test and  
Measurement Equipment from a  
Cable Operator Broadband  
Infrastructure Supplier*

May 20, 2003

9am EDT

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## Webcast Auction

May 20, 2003  
9am EDT

### Preview

May 19, 2003  
9am - 4pm EDT

### Auction & Preview Location 1

100 Fairgrounds Drive  
Manlius, NY 13104

**From Syracuse Airport:** Exit airport to I-81N towards Watertown. Take Exit #29S towards Dewitt and merge onto I-481S. Take Exit #3E towards Fayetteville and merge onto NY-92E. Turn right onto NY-173/W. Seneca St. Turn left on Fairgrounds Dr. Watch for auction signs.

### Preview Location 2

60 Decibel Rd  
State College, PA 16801

**From University Park Airport:** Exit Airport and go left (Southwest) onto Fox Hill Rd, which turns into Fox Hollow Rd. Turn left on E College Ave./PA-26. Turn right on Decibel Rd. Sale site is on the right. Watch for auction signs.

### Preview Location 3

Tijuana, Mexico

Preview by appointment only. Please contact Renee Jones, CAI at [rjones@dovebid.com](mailto:rjones@dovebid.com) to schedule an appointment.

All Mexico assets will be FOB San Diego, California.

### Auctioneer's Note

DoveBid is extremely pleased to have been selected by C-Cor.Net, a Cable Operator Broadband Infrastructure Supplier, to conduct this 1-day Webcast Auction. The sale features a wide range of Surface Mount Technology and Test and Measurement Equipment, including:

- EMC Global Tech Inc Cyberclean 1000, Model24PC Stencil Cleaning System
- Quad Systems Corp Programmable Pick and Place Machines
- Contact Systems Inc. Model CS-400E Ultra Clinch Programmable PC Board Assembly Machines
- DEK Screen Printers
- HP 3070 Series II Board Tester
- Electrovert Type OMNI 5 Controlled Atmosphere Forced Convection Reflow System
- Electrovert Type HS-222-SMT Hydrocleaner Aqueous Cleaning System

This Webcast auction will be held on May 20, 2003 at 9am EDT in Manlius, NY. A preview of the assets will be conducted on May 19, 2003, from 9am to 4pm in Manlius, NY and State College, PA. Assets located in Tijuana, Mexico are available for preview by appointment only. Feel free to attend the preview in person or download an equipment catalog from our website at [www.dovebid.com](http://www.dovebid.com).

Please remember that assets are sold as is, where is, and with all faults when participating in an auction. As a courtesy to our Web buyers, DoveBid can provide contact information for shipping companies that will be attending this auction. Buyers are responsible for removal of all assets and all shipping and rigging charges.

Thank you in advance for your interest in this event and we look forward to seeing you in person or on the Web on auction day.



Can't make it to the auction? No problem. With DoveBid's proprietary Webcast technology bidders around the world can bid

at this auction from the convenience of their home or office through the Internet. Webcast technology allows you to virtually bid against bidders who are on the factory floor.

Log on to [www.dovebid.com](http://www.dovebid.com) and register even on auction day to bid in real time! All you need is a computer, Internet access, and a touch-tone telephone to participate.

Prior to the auction, preview the assets online via digital photos and comprehensive descriptions. During the auction, view the current asset being sold on your computer screen as you listen to the Auctioneer live on your telephone. You press 1 on the telephone keypad to raise your paddle and press the # key to end your bid. And as a courtesy to our Web buyers, DoveBid can provide contact information for shipping companies that will be attending the auction. Thousands of bidders from hundreds of locations around the globe have participated in DoveBid Webcast Auctions. It's fast, simple and convenient! Save money on travel expenses and next time we will see you ONLINE!



### NEED HELP WITH SHIPPING?

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For details, please visit DoveBid's Website at [www.dovebid.com](http://www.dovebid.com) or call our customer service department at 800.665.1042.



### NEED ADVICE FROM THE BEST?

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# Pick and Place Machines, Electronic Tape Feeders, Feeder Carts, Ovens, Assembly Machines & Rotary Bins, Cleaning Systems, Printers, Test Chambers



3 - QUAD SYSTEMS CORP MODEL IVC MK2 PROGRAMMABLE PICK AND PLACE MACHINES



5 - QUAD SYSTEMS CORP FEEDER BASES



2 - CONTACT SYSTEMS INC. MODEL CS-400E ULTRA CLINCH PROGRAMMABLE PC BOARD ASSEMBLY MACHINES

## PICK AND PLACE MACHINES

- 3 - QUAD SYSTEMS CORP MODEL QSP-2 PROGRAMMABLE PICK AND PLACE MACHINES, S/N 3107, 3332, 3333, Board Width 3.0 - 16", Board Length 3.0 - 18", Board Thickness 0.010 - 0.200", Clearance: Edge 0.125", Underside 0.75", Topside 0.59", (2) Computer Systems with RT and GUI, Joystick, Monitor
- 1 - QUAD SYSTEMS CORP MODEL III C/68 PROGRAMMABLE PICK AND PLACE MACHINE, S/N 2071, Max Board Size 18" x 26", Placement Rate Up To 3400 Chips Per Hour, Compaq Prolina 4/33S PC Programmer with Monitor, Hand Held Programmable Controls
- 3 - QUAD SYSTEMS CORP MODEL IVC MK2 PROGRAMMABLE PICK AND PLACE MACHINES, S/N 2437, 2439, 2833, Max Board Size 18" x 26", Placement Rate Up To 3400 Chips Per Hour, Hand Held Programmable Controls
- 1 - PHILLIPS CSM CHIP PLACER, With Universal Overhead Conveyor

## ELECTRONIC TAPE FEEDERS

- 844 - QUAD SYSTEMS CORP 8 MM ELECTRONIC TAPE FEEDERS
- 95 - QUAD SYSTEMS CORP 12 MM ELECTRONIC TAPE FEEDERS
- 25 - QUAD SYSTEMS CORP 16 MMELECTRONIC TAPE FEEDERS
- 19 - QUAD SYSTEMS CORP 24 MM ELECTRONIC TAPE FEEDERS
- 4 - QUAD SYSTEMS CORP 32 MM ELECTRONIC TAPE FEEDERS
- 1 - QUAD SYSTEMS CORP 44 MM ELECTRONIC TAPE FEEDERS
- 5 - QUAD SYSTEMS CORP FEEDER BASES

## FEEDER CARTS

- 17 - QUAD SYSTEMS CORP ROLL AROUND FEEDER CARTS

## OVENS

- 1 - ELECTROVERT TYPE OMNI 5 CONTROLLED ATMOSPHERE FORCED CONVECTION REFLOW SYSTEM, S/N 11872158 (1997) A# 013233, Mesh Belt Conveyor Size 22" W x 132" L, (5) Heater Zones, Total Forced Convection 800 CFM, Heating Chamber Length 70", PC Control with Monitor
- 1 - HELLER MODEL 1088 HAC 4 ZONE REFLOW OVEN, S/N 89241, 18" W x 96" L, Temperature Range: Preheat Zone 100 - 125 Degrees C, Zone #2 125 - 150 Degrees C, Zone #3 150 - 180 Degrees C, Reflow Zone 250 - 300 Degrees C

## OVENS

- 1 - QUINCY MODEL 30GC BENCH TOP ELECTRIC LAB OVEN, S/N 941110, Chamber Size 18" x 12" x 15", Max Temperature 550 Degrees F
- 1 - VITRONIC/SOLTEC CONVEYORIZED OVEN, Max Width 18"

## ASSEMBLY MACHINES & ROTARY BINS

- 2 - CONTACT SYSTEMS INC. MODEL CS-400E ULTRA CLINCH PROGRAMMABLE PC BOARD ASSEMBLY MACHINES, S/N 042895299H, 040795289H (Both 1995) , Insertable Area 20" x 14", Lead Spacing 0.10 - 1.75" for 360 Degrees, Touch Speed Control, Repeat Spacing, Adjustable Work Fixture, 10 Amps
- 2 - CONTACT SYSTEMS INC. MODEL CS-201 PCB ASSEMBLY MACHINE ROTARY BINS, S/N 040795303A, 012095294A (Both 1995)

## CLEANING SYSTEMS

- 1 - ELECTROVERT TYPE HS-222-SMT HYDRO CLEANER AQUEOUS CLEANING SYSTEM, S/N M0941123099 (1995) , Main Cabinet Dimensions 59.9" W x 221" L x 52" H, Mesh Conveyor Size 20" W x 250" L, Recirculating Wash Tank Size 79.2 Gallons, Recirculating Rinse Tank Size 49.3 Gallons, 114.3 KVA, Programmable Controls, Heaters, Pumps, Motors and Blowers
- 1 - EMC GLOBAL TECHNOLOGIES INC. CYBERCLEAN 1000 MODEL 24PC STENCIL CLEANING SYSTEM, S/N 43813/46990, EMC Model 1/3-HP Chiller Unit, Wash and Dry Cycle Timers

## PRINTERS

- 4 - DEK 265GS SCREEN PRINTERS
- 1 - SURFACE MOUNT TECHNIQUES MODEL OPTI PRINT 1616PD TABLE TOP SOLDER/STENCIL PRINTING SYSTEM, S/N 9027-2, Screen Size 16" x 18"

## TEST CHAMBERS

- 1 - TENNEY MODEL TENNEY JR. ENVIRONMENTAL TEST CHAMBER, S/N 10.072-130, Chamber Size 16" x 10" x 14", Temperature Range -80 Degrees C - +176.7 Degrees C, Digital Temperature Controls
- 1 - ASSOCIATED ENVIRONMENTAL SYSTEMS MODEL SK-3102 LOW AND HIGH TEST CHAMBER, S/N 5360, Chamber Size 19" x 15" x 16", Temperature Range -100 Degrees F - +350 Degrees F, Dial Type Temperature Control

# Board Tester, Wire Stripping System, Oscilloscopes, Lab & Test Equipment



1 - HEWLETT-PACKARD 3070 SERIES II BOARD TESTER



OSCILLOSCOPES



TEST EQUIPMENT

## BOARD TESTER

- 1 - HEWLETT-PACKARD 3070 SERIES II BOARD TESTER

## WIRE STRIPPING SYSTEM

- 1 - SCHLEVNIGER MODEL CS-9100 WIRE STRIPPING SYSTEM, S/N 909-1996, Wire O.D. 0.21", Output 14,800 Pieces/Hour at 0.39" Long, 3,600 Pieces/Hour at 3.93" Long, Programmable Controls

## OSCILLOSCOPES

- 1 - HEWLETT-PACKARD MODEL 1741A OSCILLOSCOPE
- 5 - HEWLETT-PACKARD MODEL 1200A OSCILLOSCOPES
- 2 - HEWLETT-PACKARD MODEL 54610B OSCILLOSCOPES
- 1 - HEWLETT-PACKARD MODEL 54501A DIGITIZING OSCILLOSCOPE
- 1 - TEKTRONIX MODEL TAS 465 2-CHANNEL OSCILLOSCOPE
- 4 - TEKTRONIX MODEL TAS 250 2-CHANNEL OSCILLOSCOPES
- 1 - TEKTRONIX MODEL TDS 460 4-CHANNEL DIGITIZING OSCILLOSCOPE
- 1 - TEKTRONIX MODEL 453 OSCILLOSCOPE
- 1 - TEKTRONIX MODEL 465B OSCILLOSCOPE
- 1 - TEKTRONIX MODEL 2215 OSCILLOSCOPE
- 2 - TEKTRONIX MODEL 2225 OSCILLOSCOPES
- 6 - GLOBAL SPECIALTIES MODEL 2020A OSCILLOSCOPES
- 4 - KIKUSUI MODEL 5060 OSCILLOSCOPES
- 2 - KIKUSUI MODEL COS5040 OSCILLOSCOPE
- 1 - KIKUSUI MODEL COS5060A OSCILLOSCOPE
- 1 - LEADER MODEL LBO-508 DUAL-TRACE OSCILLOSCOPE
- 1 - HITACHI MODEL V-252 OSCILLOSCOPE
- 3 - WAVETEK MODEL 1910 OSCILLOSCOPES

## LAB & TEST EQUIPMENT

- 1 - LORIN MODEL IMPACT-7BT TEST SYSTEM
- 1 - TEKTRONIX TYPE 575 TRANSISTOR CURVE TRACER
- 1 - TEKTRONIX GIGABERT 700 GENERATOR
- 1 - TEKTRONIX GIGABERT 700 ANALYZER
- 10 - WAVETEK MODEL 1081 SWEEP GENERATORS

## LAB & TEST EQUIPMENT

- 2 - HEWLETT-PACKARD MODEL 3325A SYNTHESIZER/FUNCTION GENERATOR
- 3 - WAVETEK BENCHMARK 1175 SWEEP TEST SYSTEMS
- 2 - WAVETEK MODEL 193 SWEEP/MODULATION GENERATORS
- 2 - HEWLETT-PACKARD MODEL 53181A UNIVERSAL COUNTERS
- 1 - HEWLETT-PACKARD MODEL 53131A UNIVERSAL COUNTER
- 6 - WAVETEK MODEL 182A FUNCTION GENERATORS
- 1 - BK PRECISION MODEL 4010 FUNCTION GENERATOR
- 12 - FLUKE MODEL 45 DUAL DISPLAY MULTIMETERS
- 12 - FLUKE MODEL 8010A DIGITAL MULTIMETERS
- 15 - FLUKE MODEL 8050A DIGITAL MULTIMETERS
- 8 - GW MODEL GDM-8145 DIGITAL MULTIMETERS
- 1 - HEWLETT-PACKARD MODEL 5386A FREQUENCY COUNTER
- 1 - ASSOCIATED RESEARCH HY-POT TESTER
- 4 - KIKUSUI REGULATED DC POWER SUPPLIES
- 8 - GLOBAL SPECIALTIES MODEL 1332A REGULATED DC POWER SUPPLIES
- 2 - LEADER MODEL LPS 152 DC TRACKING POWER SUPPLY
- 1 - BK PRECISION MODEL 1735 DC POWER SUPPLY
- 1 - HARRISON MODEL 6205B DUAL DC POWER SUPPLY
- 9 - GLOBAL SPECIALTIES MODEL 1332A DC POWER SUPPLIES
- 4 - HEWLETT-PACKARD MODEL 6024A DC POWER SUPPLIES
- 1 - KENWOOD MODEL PD56-10D REGULATED DC POWER SUPPLY
- 2 - FARNELL MODEL PDS3510A SINGLE OUTPUT POWER SUPPLIES
- 2 - PCI MODEL 5020 PRECISION DC SOURCES
- 55 - LECTRO MODEL PSF-MMP-AXX POWER SUPPLIES
- 3 - BK PRECISION MODEL 1650 TRI-OUTPUT POWER SUPPLIES
- 4 - BK PRECISION MODEL 1601 REGULATED DC POWER SUPPLIES
- 5 - HEWLETT-PACKARD MODEL 6255A DUAL DC POWER SUPPLIES

# Lab & Test Equipment, Machine Tools, Shop & Factory



1 - BRIDGEPORT MILL SERIES II



1 - BRIDGEPORT MILL SERIES I



1 - MAZAK HORIZONTAL TURNING CENTER  
400, 24 TOOL HORIZONTAL SPINDLE



1 - MAZAK VERTICAL QUALITY  
CENTER 15

## LAB & TEST EQUIPMENT

- 6 - HEWLETT-PACKARD MODEL 6253A DUAL DC POWER SUPPLIES
- 3 - HEWLETT-PACKARD MODEL 6206B DC POWER SUPPLIES
- 1 - HEWLETT-PACKARD MODEL 438A POWER METER
- 1 - HEWLETT-PACKARD MODEL 432A POWER METER
- 25 - POWERSTAT VARIABLE AUTO TRANSFORMERS
- 16 - ELENCO MODEL XK-550 ANALOG DIGITAL TRAINERS
- 1 - HEWLETT-PACKARD MODEL 85046B PARAMETER TEST SET
- 1 - HEWLETT-PACKARD MODEL 8753B NETWORK ANALYZER
- 3 - HEWLETT-PACKARD MODEL 8711A NETWORK ANALYZERS
- 1 - HEWLETT-PACKARD MODEL 8554B SPECTRUM ANALYZER
- 4 - HEWLETT-PACKARD MODEL 8558B SPECTRUM ANALYZERS
- 1 - HEWLETT-PACKARD MODEL 8590A SPECTRUM ANALYZER
- 3 - MARCONI INSTRUMENTS MODEL 2019 SIGNAL GENERATORS
- 4 - MARCONI INSTRUMENTS MODEL 20220 SIGNAL GENERATORS
- 1 - WAVETEK MODEL 3010 SIGNAL GENERATOR
- 2 - WAVETEK MODEL 3001 SIGNAL GENERATORS
- 2 - WAVETEK MODEL 1076 UNIT UNDER TESTERS
- 30 - WAVETEK MODEL 7580.1 STEP ATTENUATORS
- 1 - TEKTRONIX MODEL 1450-1 TELEVISION DEMODULATOR
- 1 - E-TEK PROGRAMMABLE FIBER OPTICAL SWITCH
- 1 - BOONTON MODEL 72BD CAPACITANCE METER
- 1 - GW MODEL GOM-801G MILLI-OHM METER
- 2 - GLOBAL SPECIALTIES 6000 FREQUENCY COUNTERS
- 1 - FLUKE MODEL 1912A MULTI-COUNTER
- 1 - RACAL-DANA MODEL 1992 UNIVERSAL COUNTER
- 1 - LASER PRECISION CORP MODEL TD-9960 OPTICAL TIME DOMAIN REFLECTOMETER
- 1 - DATA I/O MODEL 121A GANG PROGRAMMER
- 1 - QUAD TECH MODEL 1692 RLC DIGIBRIDGE

## LAB & TEST EQUIPMENT

- 4 - C-COR SERIES 8000 MASTER MODEMS
- 1 - SANYO COLOR CCD VIDEO CAMERA
- 1 - OLYMPUS MODEL SZ30 STEREOSCOPE
- 1 - MATRIX TEST EQUIP. MODEL AFS-12 FILTER SELECTOR
- 22 - MATRIX TEST EQUIP. MULTIPLE FREQUENCY SIGNAL GENERATORS
- 1 - MATRIX TEST EQUIP. SIGNAL STRENGTH AND DISTORTION ANALYZER

## MACHINE TOOLS

- 1 - BRIDGEPORT MILL SERIES II, 227150 Accurite III Controls
- 1 - BRIDGEPORT MILL SERIES I, 2-HP, 1.5-HP Trionks Mini Max Digital Read Out
- 1 - MAZAK HORIZONTAL TURNING CENTER 400, 24 Tool Horizontal Spindle, Mazatrol M Plus Controls
- 1 - MAZAK VERTICAL QUALITY CENTER 15, 40 Vertical Spindle, 30 Tool Capacity, Mazatrol M32 Controls with Index Table

## SHOP & FACTORY

- 1 - TENNSMITH MODEL HBU4816 48" W x 16 GALLON HAND TYPE FINGER BENDING BRAKE, S/N 17881
  - 1 - ENCO MODEL 130-5110 HAND OPERATED CORNER NOTCHING MACHINE, S/N 731428, Size 6" x 6"
  - 1 - CRAFTSMAN MODEL 113 15 1/2" FLOOR TYPE DRILL, S/N 21310, Table Size 10" x 13", 1/2-HP Motor
- Assorted Assembly Benches, Work Benches, Metro Racks, Soldering Stations, I-R Pneumatic Screw Guns, Cleco Screwdriver Balance Arms, Plastic Tubs, Disc Trays, Digital Counting Scales, Pana-Vices, Stools, Chairs, Formica Top Tables

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