

ONLINE AUCTION OF QUARTZ CRYSTAL RESONATOR MANUFACTURER INCLUDING VACUUM COATERS AND PLATERS, HERMETIC SEALING WELDERS, LAPPERS, OVENS, CIRCUIT BOARD, ELECTRONIC ASSEMBLY, TEST, LAB, TOOLROOM AND SUPPORT EQUIPMENT

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ONLINE AUCTION

PLANT CLOSED

SURPLUS EQUIPMENT OF VECTRON INTL.

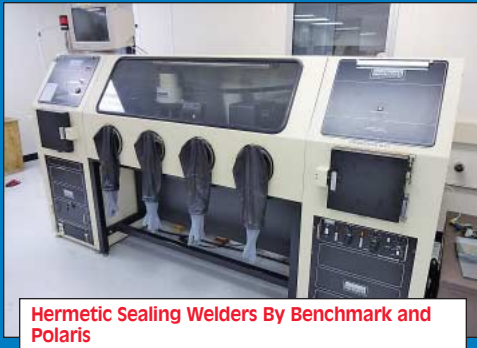
QUARTZ CRYSTAL RESONATOR MANUFACTURER

4914 Gray Road – Cincinnati, Ohio 45232

Just North of Downtown Cincinnati off I-75

**ONLINE BIDDING ENDS: THURSDAY, AUGUST 10TH AT 9:00 AM
CONTINUING FRIDAY, AUGUST 11TH IF NECESSARY**

INSPECTION: WEDNESDAY, AUGUST 9TH, FROM 10:00 AM TO 4:00 PM



Hermetic Sealing Welders By Benchmark and Polaris



(2) Airco Temescal FC-1800 Vacuum Coaters



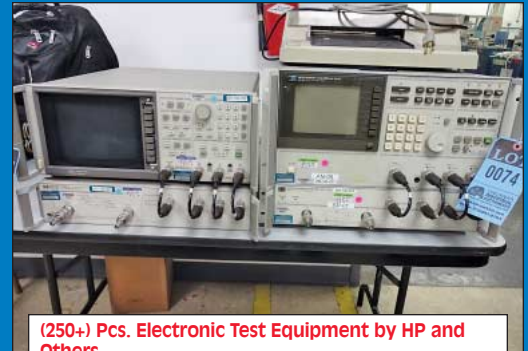
Ambios Q-Scope Atomic Force Microscope System



(15) MI Mitsunaga MFLN Lappers to 2005



(50) Electric Lab and Vacuum Ovens



(250+) Pcs. Electronic Test Equipment by HP and Others



Toolroom Machinery Including Bridgeport



(4) Royal Master Centerless Grinders



(50+) Vacuum Pumps by Edwards, Leybold and Others



(2) Mokon Oil Heaters



(3) PTI Hot Water Heaters

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BIDDING ENDS THURSDAY, AUGUST 10TH



700+ Lots See Website for Complete Listing with Photos www.cia-auction.com

VACUUM COATERS / PLATERS

Airco Temescal FC-1800 Electron Beam Vacuum Coater; s/n 66, Order No. MVE-25936, CTI Cryo-Torr8 High Frequency Vac Pump, 17" Diameter Chamber, Airco CV-10 Electron Beam Power Supply, Viewvac VV-400 Unit

Airco Temescal FC-1800 Electron Beam Vacuum Coater; s/n 252, Order No. MVE-26752, Missing Vac Pump, Versa Vac 2 Control, Viewvac VV-400

S&A Model 5600 Base Plater w/ PC System

S&A Model 5250 Fine Frequency Plater

Showa SFE-90NKC Ion Frequency Tuner

Transat LC100 Vacuum Plating System Final Frequency Plater

Transat APS-ATP Final Frequency Tuner

Edwards Auto-306 Turbo Vacuum Coater

Transat TC-100 Units

HERMETIC SEALING WELDERS AND RELATED

(2) Benchmark Gen 2 Projection / Seam Seal Welders; s/n 0299G2-061 and 0800G2-121, 36" X 60" Two-Station Atmospheric Enclosure, (1) w/ Projection, Seam Seal Head and P6000 Power Supply, (1) w/ Projection Head and Misc. Parts Only

KSE Kewaunee Scientific AGL Cold Welder; 24" X 72" Two-Station Chamber, Inert Gas Purifier, Photohelic Pressure Control, Press Station w/ 10" X 12" Bed

Polaris Accu-Weld 5000 Projection Welder; s/n 036-000-5000-0116-10, 24" X 40" Chamber, Projection Weld Head

Polaris Accuweld Projection Welder; s/n A17-7951-85-795100, 24" x 72" Two-Station Weld Chamber, Polaris Projection Weld Head w/ 8-Sta. Turret

Peco Messer Type FP3K-1000 Vacuum Capable Resistance Welder

Unitex Peco 2KHZ High Frequency Inverter Welder Control with Transformer

Various Unitex Peco Power Supplies, Heads, Controls and Related

Panasonic Model HW Wire Bonder; s/n 30WB0379, 5 KW, Control Benchmark Autoflow Cat No. 12-0002-000 Lid Tacker

Welder Heads and Components, Benchmark Phase 3 Head, SSEC NTE One-Shot Welder Head w/ Power Supply, Benchmark KN-II Head, Branson Sigma-80 Welder, Dace Precision Microsetter MCT-22 Welder, 80 / 125 KVA and 37 KVA RO-Man Welding Power Supplies

PLASMA CHAMBERS

March PX-1000 Plasma Chamber; s/n 9322, 15" X 15" X 22" Deep Chamber, Advanced RFX-600 Power Supply

March PX-250 Plasma Chamber with MPS-300 Power Supply

LAPPING MACHINES

(2) MI Mitsunaga Industries Model MFLN-6B Lappers

(8) MI Mitsunaga Industries MFLN-4B Lappers (New to 2000's)

(6) MI Mitsunaga Industries MFL-3B Lappers (New to 2000's)

(2) CCI Model 421 Lappers (Late)

(7) 18" PR Hoffman Model PR-I-32T Lappers

(10) Howard Strasbaugh Lappers and Others Models 7J, 6SR, 6ZR, 6BR, 60 and R5Y-DC2

(20) Bench Top Style Lappers, Single and Dual Head, Howard Strasbaugh 6CE-2, 6BU, Coburn 604, Schafer S05-02

VACUUM PUMPS

(50) Vacuum Pumps from 1/4 to 10 HP by Edwards, Leybold, Pfeiffer, Ilmvac and Others

ELECTRONIC TEST EQUIPMENT
(250+) Pcs. Electronic Test Equipment by Hewlett Packard, Agilent, Stanford Research, Transat, Saunders and Associates, Televac and Others; Signal Generators, Network Analyzers, Signal Analyzers, Oscilloscopes, Data Acquisition Units, Noise Interfaces, Spectrum Analyzers, Amplifiers, Power Supplies, Crystal Impedance Meters, See Catalog for Complete Listing

CRYSTAL MACHINING / GRINDING EQUIPMENT

Hunan Yojing Model GDB-3AA-II High Speed Crystal Chamfer Lapping Machine; 160 RPM, (3) 12" X 12" Tumbling Drums

Dynabrade 64000 Precision Belt Polisher; Mounted on Heavy Jig Base, Motorized Work Head

(5) Custom Built Precision Crystal Machining, Grinding and Polishing Machines, Some with CNC Controls

CUSTOM PRECISION MACHINING EQUIPMENT

(20+) Custom Precision Machining, Polishing, Grinding and Finishing Machines; Most Mounted on Heavy Cast Iron Bases with Cross Sliding Rotating and Indexing Tables, High Speed Spindles

Large Quantity Parts for Building Custom Machinery; Spindles, Servos, Rotary and Cross Sliding and Standard Tables, with 5 Drives, Motors, Servos and Related Centers

Salecnc.com Model GSK928TEII Servo Controller Set with Readout and Servos

LAB EQUIPMENT

(2) Microlab Micro-Rinse MRS-100 and MRS-1737 Poly Construction PLC Wet Benches; with AB Panelmate PLC

(3) Verтек Poly Construction Single, Two and Three-Tank Computer Controlled Wet Benches

(4) Coburn Model Toric Surfacer Polishers

Verтек Superclean 1600 Dual Chamber Centrifuge

Logitech Anular 75 Auto Lab Saw
(5) Centrifuges Including Hermle Z206A, Trio-Tech G488, Trio-Tech Centrifase G385-1B

Ultratech Model 602 Plate Cleaner

(2) Custom Ultrasonic Welders w/ Branson Power Supplies; Custom Bases, 3" to 6" Throat

(10) Fume Hoods and Benches from 3' to 6' Long

(10) Clean Room Products DGS3283 Lab Gown Lockers

Lab Support Equipment, Stainless Steel Tables, Dessicator Cabinets, Stainless Valves, Piping, Vacuum Pumps, Shakers, Fireproof Cabinets and Related

TEST EQUIPMENT

Ambios Model Q-Scope 6SAB2I50 AFM Atomic Force Microscope System; Electronic Interface Unit (New 2007)

Zeiss Rondcom 55A Precision Rounder Tester; s/n MA6407JV, 12" Table, Power Supply, Comes Accessorized

Veeco Dektak 3ST Surface Profiler; s/n 21311, Cat No. 173003

13" Micro-Vu Spectra M1031 Optical Comparator, Micro-VU Q-16 DRO and Control

(20+) Various Microscopes; Leica Microstar IV, Scienescop EM-BD-T3, CO-EM-600, Bausch and Lomb Stereozoom 7

Other Test Equipment, Alvord Mfg. X-Ray, Avo Model SM-105-2 Shock Test, LFA Florod Laser Cutter Microscope, Dupont Test Equipment

(5) Leak Detectors, Edwards Spectron 300E, Varian Autotest 947 and 948, Varian 938-41

Inspection Tools, Granite Plates, Height Gages, Mics, Gage Blocks, Calipers and Related

SURPLUS EQUIPMENT OF VECTRON INTL.



700+ Lots See Website for Complete Listing with Photos www.cia-auction.com

ULTRASONIC CLEANERS

Crest Genesis Nine-Station Ultrasonic Cleaner; 10" X 10" X 14" (Approx.) Tanks, Touch Screen Control
 (20) Bench Top Ultrasonic Cleaners and Power Suppliers by Crest, Branson and Others
 (3) SK Auto Dip Ultrasonic Cleaners with 22" X 14" X 24" Deep Tanks
 Branson B400 Ultrasonic Cleaner
 Custom Ultrasonic Two-Tank Ultrasonic Cleaner

TUBE FURNACES

(5) Lindberg 50000 Series Electric Tube Furnaces; Models Include 54232 with 59344 Power Supply, Model 55346, Model 54231 with 59344 Power Supply, Model 55342 with 58114 Power Supply

TEST CHAMBERS

T-M Vac Products Model SS803N14 Vacuum Chamber, 11-1/2" Diameter X 19" Deep
 Terra Universal 5401-00-1 Vacuum Chamber, 11-1/2" Diameter X 16" Deep
 (5) Other Mfg. Vacuum Test Chambers, Most 12" Diameter and 12" to 20" Deep

Ovens and Environmental Chambers

BMA Model TA-205LN Two-Chamber Three-Zone Thermal Shock Chamber; s/n 2126, 16" X 16" X 16" Inner Dimensions, 200 Degree Celsius Operating Temp
 Terra Universal 32" Dia. Five-

Shelf Rotocator 100 Chamber
 (30) Bench Top Electric Ovens by Blue-M and Others from 6" to 24" Chambers, Blue-M Models OV-712A, OV5-114, See Catalog for Full List
 (10) 20" to 30" Blue-M Single Door Electric Ovens, Models DCA-206C, DCC-256C, DCI-206-E-ST350, CC04I-P-E-PR0350, (2) ESP-400A-5
 (10) Cascade Tek Model TVO Vacuum Ovens, Model TV0-2, TV0-1
 (10) Tenney Bench Top Vacuum Test Chambers

Yamamoto DX-400 Gravity Convection Oven, 16" X 16" Chamber

BELT TYPE OVENS

12" Wide Lindberg Stainless Belt Type 841 Conveyor Furnace; s/n A010112, 60" Long Chamber, 400 Degree Celsius Max Temp (2001)

6" Wide Lindberg Electric Conveyor Oven, 60" Chamber

FACILITIES EQUIPMENT

(3) PTI Process Technology Hot Water Heaters; Model TY-120-480-3-RI s/n J-T00190, Model TY-072-480-3-RI, s/n S-506318, Model Hot Shot HCT544-G-A; s/n FL107253

(2) Mokon THE System H44112BM Oil Heaters; s/n 64429, 500 Degree Fahrenheit Max Temp

(2) Spencer Central Vac Systems, 4-HP Model SYS90132 and Model 8P

7.5 HP Quincy QT-7.5 Vertical Tank Air Compressor

Approx. 20 HP Horizontal Tank Air Compressor

Torit Donaldson P510800

Stainless Steel Dust Collector; s/n J0817001

7.5-HP Torit Donaldson DMC-D2 Dust Collectors

1/2 HP Torit 54 Dust Collector

(2) Neslab HX-300 Coldflow Refrigerated Recirculate Chillers

(3) 40' Storage Containers

TOOLROOM GRINDERS

(2) Royal Master TG-12X4 Centerless Grinders; s/n 2364 and 1217, 4" Wheels, Power Water Dressers, Power Infeed

Royal Master N/C Centerless Grinder, Auto Feed Dressers, Model 172 Indexer Control

5" X 15" Clausing Model 4210 Plain OD Grinder

9" X 12" Karstens OD Grinder

(8) KO Lee, Harig and boyar Surface Grinders and Tool Cutter Bases

(2) KO Lee Model 618VH and S714 Surface Grinders with Precision Grinding Attachments

6" X 18" KO Lee 571BH Horizontal Feed Surface Grinder

10" X 20" KO Lee C1020 CNC OD Grinder Base

(20+) Diamond Grinding Wheels to 12" Diameter

Old Royal Master - For Parts Only

TOOLROOM AND MAINT. SHOP EQUIPMENT

Upgrade Tech Model Compact GT-16 Gang Tool CNC Lathe; s/n DL10522871, Fagor 8025 Control

2 HP Bridgeport Three-Axis CNC Vertical Mill; s/n 263965, Sony Control, 42" Table

2 HP Bridgeport Series I Vertical Mill; s/n 214679, 42" Table with Power Feed, Sony, DRO

15" X 50" Clausing Model 1500 Engine Lathe

12" X 36" South Bend G-26T Engine Lathe

7" X 12" Central Machinery Bench Top Lathe

36" X 36" Clemco Zero Pulsar Blast Cabinet with Dust Collector

18" Grob 4V18 Vertical Band Saw with Blade Welder

(2) Hardinge HSL-5C Speed Lathes

LOH Type LH-80 Lap Cutter; s/n 6061, DRO, PB Control

Autoflow 333384 Mill

(2) Moore Model No. 3 Jig Bores; s/n B1468, 11" X 24", (1) Head Only

Other Misc. Machinery, 5" X 10" Jet Saw, 20" Clausing Drill, Coburn 303 Lathe, Various Grinders and Sanders, Di-Arco Hand Fabricating Equipment

Machine Accessories and Tooling; (3) Precise Jig Grinding Heads, Vises, Rotary Tables, Chucks, Collets, Angle Plates, Jet-Up Blocks, Perishable Tooling and Related

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SHOP AND SUPPORT EQUIPMENT

Large Quantity Very Clean Shop Equipment; (15) Various Style Lista Tooling Cabinets, Lista Workbench Style Cabinets, Stainless Steel Assembly Tables, Fireproof Cabinets, Formica Top Assembly Tables, Stainless Steel Locker Units, Pallet Trucks, 2-Door Cabinets, Carts, Hand Tools, Building and Machine Maintenance Supplies, Carts, Pallet Trucks, Racks, Shelves, Cabinets and Related

Office Furniture (100+) Lots Office Furniture and Equipment, Conference Room Set, Training Room, Wood and Metal Desk Sets, File Cabinets, Chairs and Related

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ONLINE BIDDER INSTRUCTIONS

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Contact Information
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Benchmark Welders



Coaters & Platers



(50) Lappers to 30"



(50) Blue M Ovens

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