Surplus to the Ongoing Needs of:

Rubicon Technology
Evolving Science. Evolving Solutions.™

INTERNATIONAL SYNTHETIC SAPPHIRE GROWTH, PRODUCTION, & FABRICATION FACILITIES

900 East Green Street
Bensenville, IL 60106

HIGHLIGHTS:

- Crystal Growth Furnaces
- CNC Machining Centers
- CNC Grinding & Polishing Equipment
- Nanomechanical & Optical Testing Equipment
- Diesel Generators & Switch Gear
- Sputtering Systems
- Chillers ■ Water Treatment
- Machine Tools, Power, & Hand Tools ■ Raw Material, Sapphire Crackle & Parts
- Spare Parts, Supplies, & Stores ■ Material Handling Equipment ■ & More

CRG AUCTION

LIVE ONLINE BIDDING AVAILABLE!

DATE: Thursday, May 24th
TIME: 10:00 A.M. CDT
INSPECTION: Wednesday, May 23rd Beginning at 9:00 A.M., or By Special Arrangement

VIEW OF HAAS CNC MACHINES

83 KG CRYSTAL GROWTH FURNACES

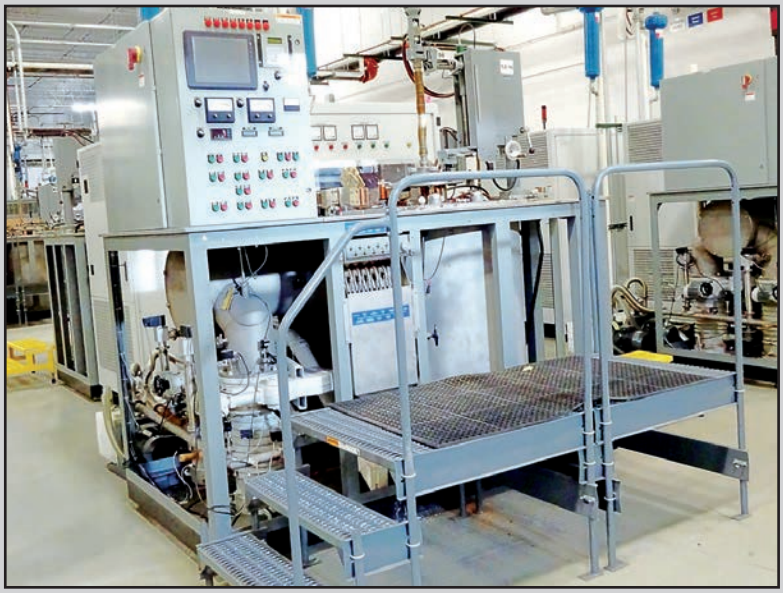
For complete catalog
crgauction.com
1.800.300.6852

BID ONLINE AT
BidSpotter.com

Auction Specialists • Appraisal Experts • Online or On-site
1654 King Street, Enfield, Connecticut 06082
(860) 623-9060 • (800) 300-6852 • Fax: (860) 623-9160
Bill Firestone, President
Renee Jones, IL License # 441001840

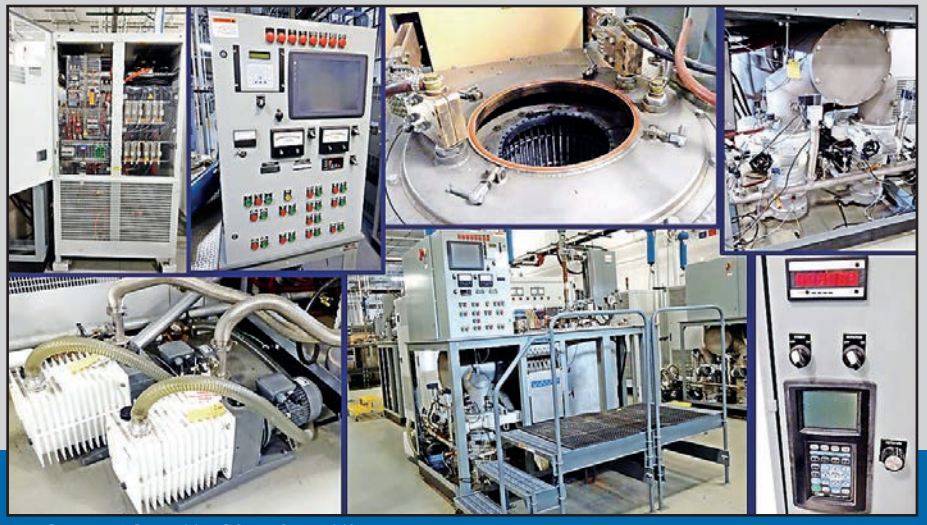
CRYSTAL GROWTH FURNACES

(3) 2008–2012 KYROPOULOS METHOD Top Seeded Puller Style Furnaces For 83 kG Boules, stainless steel vessels with Molybdenum hot zones, Tungsten crucibles, dual diffusion pumps, twin Adixen 2063 SD 2.3 kW vacuum pumps, Warner Power 135 kW total SCR controlled DC power supply 480 volt input, 9,000 amp output, QSI Qterm-GS5 UI on puller and rotation control, PLC controls.



83 KG CRYSTAL GROWTH FURNACE

83 KG CRYSTAL GROWTH FURNACES–AEG POWER

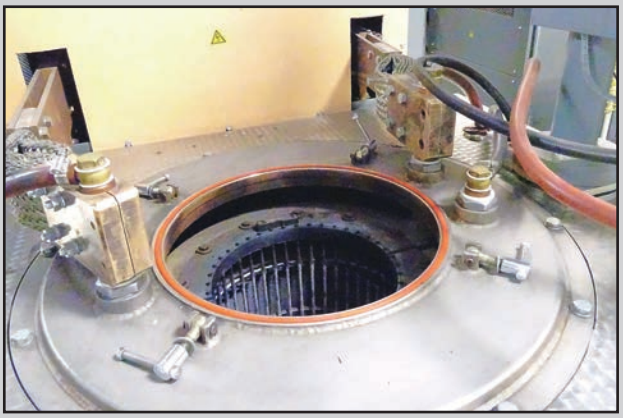


83 KG FURNACE WITH COMPONENTS

(15) 2008–2012 KYROPOULOS METHOD Top Seeded Puller Style Furnaces For 83 kG Boules, stainless steel vessels with Molybdenum hot zones, Tungsten crucibles, dual diffusion pumps, twin Adixen 2063 SD 2.3 kW vacuum pumps, AEG Thyrobox SA 5,600 amp DC power supply, QSI Qterm-GS5 UI on puller and rotation control, PLC controls.

(148) 2008–2012 KYROPOULOS METHOD Top Seeded Puller Style Furnaces For 83 kG Boules, stainless steel vessels with Molybdenum hot zones, Tungsten crucibles, dual diffusion pumps, twin Adixen 2063 SD 2.3 kW vacuum pumps, Warner Power 135 kW total SCR controlled DC power supply 480 volt input, 9,000 amp output, QSI Qterm-GS5 UI on puller and rotation control, PLC controls.

(72) 2005–2008 KYROPOULOS METHOD Top Seeded Puller Style Furnaces For 35 kG Boules, stainless steel vessels with Molybdenum hot zones, Tungsten crucibles, single diffusion pump, Adixen 2063 SD 2.3 kW vacuum pump, Warner Power 110 kW total SCR controlled DC power supply 480 volt input, 7,000 amp output, QSI Qterm-GS5 UI on puller and rotation control, PLC controls.



HOT ZONE

PLC CONTROLS

PULLER CONTROLS

BID ONLINE AT BidSpotter.com

LIVE ONLINE BIDDING AVAILABLE!

2013 HAAS VF3-Y-50 CNC VERTICAL MACHINING CENTER

2011 HAAS VF3 Y-50 CNC VERTICAL MACHINING CENTER

CNC MACHINE TOOLS

(2) 2011/2013 HAAS VF-3Y/50 CNC Vertical Machining Centers, 30-position ATC, through spindle coolant, flush coolant system, filter and recovery system with float tanks and pumps, American Centrifuge A540 tower mount automatic high torque separator with PLC controls, 10 HP drive.

AMERICAN CENTRIFUGE A540 SEPERATOR

(1 OF 2) KURT LASKER CNC THIN FILM SPUTTERING MACHINES

SUPERTECH G38P-100NC CNC UNIVERSAL GRINDER

2011 SUPERTEC G38P-100NC CNC Universal Cylindrical Grinder, 15" swing x 40" BC, automatic infeed, Mitsubishi CNC controls, DRO on wheel dresser.

(2) 2016 KURT J. LASKER PVD 75 Pro Line Thin Film PLC Silver Sputtering Machines.

GRINDING & POLISHING

KEMMET XJ56-P2 Single Sided PLC Polishing Machine, 1,422mm lapping plate, 4-station, 546mm maximum diameter work piece, 0–60 spindle RPM, 37.5 kW spindle motor.

SPEEDFAM-IPEC 16B-6P CNC Double-Sided Lapping Machine.

KENT KGS 84 AHD Automatic Hydraulic Surface Grinder, with 12" x 28" electromagnetic chuck, automatic incremental downfeed, coolant filter and recovery system, DRO.

KENT SGS 2448 AHD Automatic Hydraulic Surface Grinder, with 24" x 48" electromagnetic chuck, automatic incremental downfeed, coolant filter and recovery system, DRO.

(3) ATM Saphir 320 Grinder/Polishers.

SUN ASAHI Top-Bottom Set Segmented DIAMOND And CBN Polishing Wheels.

DIAMOND and CBN Grinding Wheels Including Segmented Top/Bottom Lap Sets, Case Lots of New Cutting Wheels, OD/ID Wheels, Straight And Cup Wheels, All Sizes and Profiles.

SPEEDFAM 16B-6P DOUBLE SIDED CNC POLISHING LAP

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KEMMET XJ56-P2 PLC POLISHING MACHINE

SUN ASAHI TOP-BOTTOM SET SEGMENTED DIAMOND POLISHING WHEELS

BRUKER HYSITRON TI PREMIER NANOMECHANICAL TESTING TOOL

(1 OF 4) ADIXEN ASM142 HELIUM LEAK DETECTORS

KENT 12" X 28" AUTOMATIC HYDRAULIC SURFACE GRINDER

KENT 24" X 48" AUTOMATIC HYDRAULIC SURFACE GRINDER

TEST EQUIPMENT

2016 BRUKER HYSITRON TI Premier Compact Nonomechanical Multi-Mode Testing Tool, granite surface and back plate, digital surface scanning, power platform, in crate with accessories, isolation cabinets, calibration certificates, software, and standards.

2015 PERKIN ELMER LAMBDA 1050 Spectrophotometer, with 3D WB detector module.

KEYENCE VHX 2000 3D Digital Microscope System, 2D/3D imaging to 5,000X magnification, 360° observation, motorized X-, Y-, Z-axis controls, HDR, fiberoptic bright and backfield illumination, all accessories, ***in crate.***

ZEISS/TOKYO SIEMITSU SURFCOM Surface and Contour Measurement Machine, with granite surface plate, isolation table, Linear Technology Tracing Driver, PC controls, specimens and standards, ***in crate.***

(4) ADIXEN ASM-142 Helium Leak Detectors.

PERKIN ELMER LAMBDA 1050 SPECTROPHOTOMETER

KEYENCE 3D MICROSCOPE SYSTEM

OLYMPIAN 200 KW DIESEL GENSET

BACKUP GENERATORS

(3) CAT LC-6 500 KVA 400 kW Diesel Backup Gensets, with C-15 6-cylinder engines, bottom mounted fuel tanks, switch gear and controls.

OLYMPIAN DP200P4 250 KVA 200 kW Diesel Backup Genset, with 4-cylinder engine, bottom mounted fuel tank, soft start, 215 hours.

CAT GENSET SWITCH GEAR

(3) CAT 400 KW DIESEL GENSETS

MACHINE & HAND TOOLS

WALDEMAN 1/4" Capacity x 60" Initial Pinch Power Plate Roller.

CHICAGO 52" Sheet Metal Shear.

SCOTCHMAN CPO 350 Cold Saw.

BIRMINGHAM 16-Gauge x 50" Initial Power Pinch Roller.

MILLER Syncrowave 350 LX welder.

ECONOLINE 48" and 36" Dry Blast Cabinets, with dust collectors, ***new–never installed.***

SCOTCHMAN CPO 350 NF Cold Saw, with wet system.

Assorted 10" Sliding Arm Tile Saws, with wet systems, ***new.***

Extensive selection of electric and pneumatic power hand tools, rolling tool and machinist boxes, job boxes, work benches, and related shop equipment.

MATERIAL HANDLING EQUIPMENT

UPRIGHT MX19 Electric Rechargeable Scissor Lift, 500-lb. capacity x 19' height.

WESCO WS2-100/16EAA Electric Walk-Behind Forklift, 1,000 kG x 1,600 mm height.

BEECH Walk-Behind Electric Stacker, 500-lb. capacity x 55" height, with hook.

(2) GENIE GL-8 Manual Lift, 400-lb. capacity x 10' lift height.

(2) WESCO PSPL-60-2424-15S Electric Power Stackers, 1,500-lb. capacity x 72" height.

(2) WESCO E100 Electric Power Stackers, 100 kG capacity x 66" height.

Assorted Hydraulic Rolling Die Carts, Lift Tables, and Pallet Jacks.

Massive quantity of new and like new spare and replacement parts, raw materials, and crystal, and metal scrap including vacuum and diffusion pumps, crucibles, power supplies, valves, cable and wire, electrical supplies, components, switches, breakers, and gear, hardware, fasteners, Aluminum Oxide crystal crackle, stainless steel vessels, furnace parts, drive controls, and more! MUST BE SEEN!

TERMS OF SALE: To be sold in accordance with CRG Terms of Sale as published on our website and in the auction catalog. A buyer's premium will apply.

WALDEMAN POWER PLATE ROLLER

BIRMINGHAM SHEET ROLLER

MILLER SYNCROWAVE 350 LX WELDER

ECONOLINE 48" BLAST CABINET

CHICAGO SHEAR

ASSORTED ROLLING TOOL CHESTS AND MACHINIST BOXES

UPRIGHT MX-19 ELECTRIC SCISSOR MAN LIFT

(2) GENIE GL-8 MANUAL LIFTS

WESCO 1,000 KG WALK-BEHIND FORKLIFT

BEECH 500-LB. WALK-BEHIND ELECTRIC STACKER

(2) WESCO 1,500-LB. POWER STACKERS

MIELE STAINLESS STEEL LAB GLASS WASHER

AVANI SMOKE EATER