

Well Maintained Large Capacity Equipment from World Class Facility
Including Okuma Bridge Mill, Sumitomo Bridge Grinder, Water Jets,
VMC's, Omni-Turn Lathes, Toolroom and Inspection Equipment

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PUBLIC AUCTION

SURPLUS EQUIPMENT FROM H.C. STARCK CO.

1250 E. 222nd Street, Euclid, Ohio 44117
15 Miles East of Downtown Cleveland off I-90

SALE DATE: THURSDAY, APRIL 3RD, STARTING AT 11:00 AM

INSPECTION: WEDNESDAY, APRIL 2ND FROM 10:00 AM TO 4:00 PM



Okuma Model MCV-All 16X30 Double Column CNC Vertical Machining Center Bridge Mill (Installed 2002)



Sumitomo-Shibaura Type KEL-15 / KPL-1550-0G Double Column Bed Type CNC Surface and Way Grinder



(8) Hurco CNC Vertical Machining Centers



Ward-Jet Model R-3013 Two-Head CNC Water Jet Machine (New 2006)



150 HP Boge Model S150 Rotary Screw Cabinet Enclosed Air Compressor

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NEW
2000

Installed
2002

47" X 122"
TABLE

Okuma Model MCV-A11 16X30 Double Column CNC Vertical Machining Center Bridge Mill



Close Up View Okuma Badge Mill Head



NEW
1990

59" X 238"
TABLE

Sumitomo-Shibaura Type KEL-15 / KPL-1550-OG Double Column Bed Type CNC Surface and Way Grinder



CNC DOUBLE COLUMN MACHINING CENTER

Okuma Model MCV-A11 16X30 Double Column CNC Vertical Machining Center Bridge Mill; S/N 2678, Okuma OSP-U100M CNC Control, Okuma Replaced Spindle Cutting, Robot Interface, Extended Memory, See data card on website for complete details, 47.24" X 122.05" Size of Table, 64.96" Width Between Columns, 53.74" Distance End of Spindle to Top of Table, 3.94" Spindle Dia., 118.11" X-Axis Table Travel, 62.99" Y-Axis Spindle Head Travel, 15.75" Z-Axis Spindle Quill Travel, 39.4" Cross Rail Travel, No. 50 Taper, Spindle Speeds: 30-4,000 RPM, 24-Position Automatic Tool Changer, Coolant System, 20 HP Spindle Motor, New Spindle Installed Recently (New 2000 / Installed 2002) SEE PHOTO

47" X 110" X 2" Thick Vac-U-Lok Vacuum Chuck Table w/ 5 HP Vacuum Pump and Control

CNC DOUBLE COLUMN SURFACE GRINDER

Sumitomo-Shibaura Type KEL-15 / KPL-1550-OG Double Column Bed Type CNC Surface and Way Grinder; S/N 387, Fanuc OM Control, 59" Grinding Width, 196.9" Grinding

Length, 59" X 238" T-Slotted Table, 47.2" Grinding Height, 63.4" Max Passage Width, 13,779 Lbs. Max Work Piece Weight, Dual 15 HP Hyd. Pump For Table, Universal Spindle Specs: 47.2" Max Height from Table to Wheel, Horizontal Movement of Wheel Center from Table Center; 61.8" to Operator Side, 42.5" to Opposite Side, 19.68" Vertical Travel, Grinding Wheel Sizes; 15.9" X 1.9" X 7" Straight Type, 12" X 3.93" X 7" Cup Type, Speeds to 3,000 RPM, 15 KW Motor, Horizontal Spindle Specs: 47.2" Max Height from Table to Wheel, Horizontal Movement of Wheel Center from Table Center; 32.9" to Operator Side, 72.4" to Opposite Side, 5.9" Vertical Travel, 5.5 KW Motor, 24" X 4" X 12" Grinding Wheel, Speeds to 950 RPM (New 1990) SEE PHOTO

63" X 200" X 2" Thick Vac-U-Lok Vacuum Chuck Table w/ 5 HP Vacuum Pump and Control SEE PHOTO

(20) New Grinding Wheels

CNC GUN DRILL

Eldorado Model M75-15 Single Spindle CNC Gun Drill; S/N EL-2112, 3/4" Drill Capacity In Mild Steel, 15" Slide Travel, 3 HP Spindle, Spindle Speeds: 1,140 -11,500 RPM, Digital Keypad Control, Mega-Flow F18 Coolant System (New 2009)



NEW
2009

Eldorado Model M75-15 Single Spindle CNC Gun Drill



63" X 200" X 2" and 47" X 110" Thick Vac-U-Lok Vacuum Chuck Tables w/ 5 HP Vacuum Pump and Controls



Thermal Care Model SQ2A0804 Portable Chiller



NEW 2006

50 HP Ebbco Model GRS-0802-B Abrasive Removal System



NEW 2006

Ward-Jet Model R-3013 Two-Head CNC Water Jet Machine



(2) 50 HP Jet Edge 55-50C Intensifier Pumps



Burny 10 LCD Plus Control



NEW 2006

SOLD VIA PHOTO

**Flow Model 6012 Integrated Flying Bridge Single Head CNC Water Jet Cutting Machine

CNC WATER JET MACHINES

Ward-Jet Model R-3013 Two-Head CNC Water Jet Machine; S/N 0047, Burny 10 LCD Plus Control, 166" X 380" X 35" Deep Tank, 169" X 360" X-Y Travel, (2) 50HP Jet Edge 55-50C Intensifier Pumps; S/N 18838 and 18997, Approx. 13,000 Hours Each (New 2006)

SEE PHOTO

> Thermal Care Model SQ2A0804 Portable Chiller; S/N 13291010607, 7.5 HP

SEE PHOTO

> 50 HP Ebbco Model GRS-0802-B Abrasive Removal System; S/N J7218 (New 2006) SEE PHOTO

> New Water Jet Spare Parts Including; New Bed Slats, (2) Intensifier Units, Water Jet Heads, Filters, Seals, Pumps and Valves

**Flow Model 6012 Integrated Flying Bridge Single Head CNC Water Jet Cutting Machine; S/N S/N361453, 61" X 12" Table, New Table Slats, Includes Dynamic Head, PC Control, Cutting Head CWJ, X & Y Shaft Bearings Just Replaced, Garnet Media Container, High Pressure Pump, 60,000 PSI, Service And Training Manuals, Hours Logged 4,344, Approx. 4 Pallets Of Sand,

Completely Cleaned And Ready For Installation, Located in Detroit, Michigan Area, To Be Sold Via Photo, Subject to Bid Confirmation (New 2006) SEE PHOTO

PLATE SAW

144" Tannewitz Model 3000-MH8 Traveling Head Plate Saw; S/N 92003, PLC Control, 144" Max. Length, 6" Min. (No Max) Width, 28" Throat, 0 - 144" Travel of Head, 30" Wheel Dia., 1/2" - 2" Blade Width, 204" Blade Length, 55 - 350 FPM Blade Speed, 86" X 144" Table Area, Hold Down Clamps (New 1993)

SEE PHOTO

ROYAL MASTER CENTERLESS GRINDER

Royal Master Model TG-12X4HA Thru-Feed Centerless Grinder; S/N 2272, Nematron Control, .002" - 1.5" Dia. Cap., 12" Dia. X 4" Wide Grinding Wheel, 6" X 4" Regulating Wheel, Wheel Speeds to 2,040 RPM (New 1996) SEE PHOTO

LAPPING MACHINE

32" Dia. Speedfam Model G32BTGW 4-Station Lapping Machine; S/N G32BTGW2181, 32" Table, (4) 12" Heads, Push Button Control SEE PHOTO



32" Dia. Speedfam Model G32BTGW 4-Station Lapping Machine



Royal Master Model TG-12X4HA Thru-Feed Centerless Grinder



NEW 1993

144" Tannewitz Model 3000-MH8 Traveling Head Plate Saw



**CONTROL
2012**

**NEW
2005**

(3) Omni-Turn Model OT-CNC4 GT-JR Series I Gang Tool CNC Turning Centers



**NEW
2001**

(2) Hurco Model VSX-40 CNC Vertical Machining Centers



**NEW
1998**

(2) Hurco Model BMC3017 (30/M) CNC Vertical Machining Centers

OMNI-TURN CNC TURNING CENTERS

(3) Omni-Turn Model OT-CNC4 GT-JR Series I Gang Tool CNC Turning Centers; S/N 4640G4, 4648G4P, 4644G4P, Omni-Turn Control Replaced 2012, 5C Collet Chuck, 6" Cutting Dia., 1.06" Bar Dia., 12" X-Axis, 9" Z-Axis, 6" X 14" T-Slotted Gang Tool Mounting Area, 4,000 RPM Approx. Spindle Speed, 5HP Spindle Motor (New 2005, Control 2012) **SEE PHOTO**

Hardinge Omniturn CNC Turning Center; S/N 124A02

CNC VERTICAL MACHINING CENTERS

(2) Hurco Model VSX-40 CNC Vertical Machining Centers; S/N S442-06001021AFA and S442-06002021AFA, Ultimex SSM Control, 20" X 48" Table, 40" X-Axis, 20" Y-Axis, 20" Z-Axis, No. 40 Taper, 24-Pos. ATC, Coolant (New 2001) **SEE PHOTO**

(2) Hurco Model BMC3017 (30/M) CNC Vertical Machining Centers; S/N B3M91002108DC and B3M91003108DC, Ultimex Dual Screen Control, 16" X 40" Table, 29.9" X-Axis, 20" Y-Axis, 24" Z-Axis, No. 40 Taper, 24-Pos. ATC, Coolant (New 1998) **SEE PHOTO**

(2) Hurco Model BMC30HT/M CNC Vertical Machining Centers; S/N B3HM91008017BC (1997) and B3HM91001126AC (1996), Ultimex 3 Dual Screen Control, 16" X 40" Table, 29.9" X-Axis, 20" Y-Axis, 24" Z-Axis, No. 40 Taper, 24-Pos. ATC, Coolant (New 1996/1997) **SEE PHOTO**

(2) Hurco Model BMC-30 CNC Vertical Machining Centers; S/N BA-8001115A (1985) and BA-800412B-J (1988), Ultimex Control, 17" X 40" Table, 30" X-Axis, 20" Y-Axis, 20" Z-Axis, No. 40 Taper, 24-Pos. ATC, Coolant (New 1985) **SEE PHOTO**

MACHINE ACCESSORIES AND TOOLING

- (50) No. 50 Taper Toolholders
- (100) No. 40 Taper Toolholders
- (18) 6" and 8" Kurt Machine Vises



**NEW
1997**

(2) Hurco Model BMC30HT/M CNC Vertical Machining Centers

WEBCAST BIDDER INSTRUCTIONS

- All Internet bidders must register for this auction at www.bidspotter.com at least 48-Hours Prior to the Sale Date, **if you do not you will not be approved.**
- All Internet bidders must Post a Deposit of Approx. 25% of Your Planned Spending Budget or \$5,000 Minimum with Cincinnati Industrial Auctioneers in Order to be approved to Bid. Those who do Not Post the Deposit Will Not be Approved. **Period.**
- There is a 18% Buyer's Premium in Effect for All Online Purchases.
- We Highly Recommend that Potential Buyers Attend this Auction & Bid Live Onsite. This will give you the Ability to Inspect the Items & Fully Appreciate Their Condition, Along with Saving You 3% of the Buyer's Premium.

No Last Minute Registrations will be accepted. Make Sure to Register & Post Your Deposit No Later than 48-Hours Prior to the Start of the Auction.



Walter Helitronic Type 45 CNC Cylindrical Grinder



Large Quantity of Kurt Machine Vises, No. 50 Taper Toolholders, and No. 40 Taper Toolholders



Enshu Model VMC-530 Heavy Die Mold Type CNC Vertical Machining Center



(2) Hurco Model BMC-30 CNC Vertical Machining Centers



**NEW
2007**

5 Ton X 61' Approx. Span Remote Control Single Girder Top Running Overhead Bridge Crane

CNC TOOL GRINDER

Walter Helitronic Type 45 CNC Cylindrical Grinder; S/N 4652, HMC-300 Control, 600 MM X-Axis Longitudinal Travel, 260 MM Y-Axis Vertical Travel, 250 MM Z-Axis Cross Travel, 150 MM X-Axis Manual Longitudinal Travel of Workpiece Carrier, ISO 50 Workpiece Carrier, 360 Degree A-Axis Rotational Axis, 165 MM Centre Height, 320 MM Max. Workpiece Dia., 200 Degree Rotary Table Swivelling Range, 1 Grinding Spindle With Stub Taper And Flat Locating Face For Grinding Wheel Adapter, 360 Degree B-Axis Manual Swivelling Range Around The Vertical Axis, 210 Degree D-Axis Manual Swivelling Range Around The Horizontal Axis, 80 MM Spindle Dia., 200 MM Max. Grinding Wheel Dia., Infinitely Variable Spindle Speed Drive 3000 To 6000 RPM (New 1994, Rebuilt 2008) SEE PHOTO

BRIDGE CRANE

5 Ton X 61' Approx. Span Remote Control Single Girder Top Running Overhead Bridge Crane; Remote Control, R&M Spacemaster 5X Hoist (New 2007) SEE PHOTO

ROMER PORTABLE ARM CMM

*Romer Model 5124 Experienced Infinite 2.0 2.4M (8') Six Axis Portable Arm; S/N 5124-245, Includes Integrated Zero-G Counterbalance, Spingrip, Probe Holster, Rechargeable Li-ON Battery, Wi-Fi Wireless Interface, Digital Camera, Winrds, Magnetic Base, TESA TKJ 3mm Ruby/ 6 Mm Rudy /15 Mm Steel Ball Probes, NIST Traceable Certified Length Standard Travel Case, Verisurf Software, Located in Detroit, Michigan Area, To Be Sold Via Photo, Subject to Bid Confirmation (New 2010) SEE PHOTO

AIR COMPRESSORS AND DRYERS

150 HP Boge Model S150 Rotary Screw Cabinet Enclosed Air Compressor; S/N 5004630, 115 PSI (New 2006) SEE PHOTO

100 HP Ingersoll Rand Nirvana Model IRN100H-CC Rotary Screw Cabinet Enclosed Air Compressor; S/N MV1145U01349, 145 PSI, 75,007 Total Hours (New 2001) SEE PHOTO

60 HP Quincy Model QMA60 Rotary Screw Skid Mount Air Compressor; S/N 74090, 250 PSI

Boge Model BVF800 Refrigerated Air Dryer; S/N V1SLNJ4794 (New 2006)

Air Cel Model AHLD-750 Desiccant Air Dryer; S/N HMI0346XAA, 150 PSI, 750 SCFM (New N/A) SEE PHOTO

Vertical Air Receiving Tanks, Filters and Oil Water Separator

EDM DRILL

Elenix Current Model CT300 EDM Drill; S/N 84114, 19" X 17" X 8" Tank Area, 12" X 12" Drill and Tapped Table, EDM Drill Model CT300 Digital Read Out (New 1997) SEE PHOTO

OBI PRESS

60 Ton Rouselle No. 6 OBI Press; S/N 20545, 4" Stroke, 11-1/2" Shut Height, 3-1/2" Adjustment, 110 SPM, Air Clutch, Push and Palm Buttons SEE PHOTO

FURNACES

(2) Lucifer Model 42-K18 Electric Furnaces; S/N 5886 & 5888, 13" Wide X 12" High X 17" Deep Chamber, 1,250 Degree Max Temp, Digital Temp Control

WELD TABLE

1,000 Lb. Per Side Cap. Foster 6' X 6' Two-Sided Hydraulic Tilting Weld Table SEE PHOTO

CONVENTIONAL TOOLROOM MACHINERY

K&T Model 15HP-3CK Dial Type Horizontal Milling Machine; S/N CMC-1132, 16" X 64" T-Slotted Table, Spindle Speeds to 15 to 1,500 RPM

K&T No. 205 Model S-12 Dial Type Vertical Milling Machine; S/N 80-0004-44, Newall Sapphire, DRO, 56-1/2" X 12" T-Slotted Table, Spindle Speeds 25-2,000 RPM

B&S No. 22H Dial Type Horizontal Milling Machine; S/N 502-25-37, 54-1/2" X 13" T-Slotted Table, Spindle Speeds to 1,600 RPM

Hardinge Model HC Precision Lathe; Tooling, 8-Position Manual Tool Changer, Spindle Speed 125-3,000 RPM

INSPECTION EQUIPMENT

Mitutoyo Quick Vision Pro Model QVX404-PRO-B2G Vision Inspection System; S/N 407511, w/ PC System (New 2005) SEE PHOTO

Voyager Model View Station VOY-612 Vision Inspection System; S/N 100040374, w/ PC System (New 2000)

Mitutoyo PH-3500 Optical Comparator; S/N 110178, 790109, Quadra-Chek 200 DRO SEE PHOTO

Mitutoyo PH-350H Optical Comparator; S/N 60404

(3) Various Bench Top Digital Scales

Small Granite Surface Plates

Wilson Rockwell Hardness Tester



SOLD VIA PHOTO

**NEW
2010**

Romer Model 5124 Experienced Infinite 2.0 2.4M (8') Six Axis Portable Arm



Elenix Current Model CT300 EDM Drill



60 Ton Rouselle No. 6 OBI Press



Mitutoyo PH-3500 Optical Comparator



Mitutoyo Quick Vision Pro Model OVX404-PRO-B2G Vision Inspection System

**NEW
2004**



1,000 Lb. Per Side Cap. Foster 6' X 6' Two-Sided Hydraulic Tilting Weld Table



**NEW
2001**

100 HP Ingersoll Rand Nirvana Model IRN100H-CC Rotary Screw Cabinet Enclosed Air Compressor



**NEW
2006**

150 HP Boge Model S150 Rotary Screw Cabinet Enclosed Air Compressor



Air Cel Model AHLD-750 Desiccant Air Dryer

PUBLIC AUCTION

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10:00 AM to 4:00 PM

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Ward-Jet CNC Water Jet



(9) CNC VMC's



(3) Air Compressors

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IMPORTANT NOTICE:

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MAIL BIDS ACCEPTED WITH A 25% DEPOSIT

DIRECTIONS

From I-90 approx. 20 miles east of Cleveland Exit at No. 183 E. 222nd St.. Merge straight off exit onto Lakeland Blvd. (a service road) for approx. 1/2 mile to E. 222nd St. Turn South onto E. 222nd St. and proceed approx. 1/2 mile to Tungsten Rd. turn right and proceed to back driveway. Building is on corner of Tungsten an E. 222nd, enter in the rear. Watch for auction parking and sale entrance signs.

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