

Due to Plant Closing  
Michigan Metal Technologies

# Live & Webcast Auction

OKUMA & HOWA Millac 630H HMC

4th AXIS

2003

**LATE MODEL CNC  
MACHINING & TURNING  
CENTERS, MACHINE SHOP,  
CMM's & FOUNDRY-  
MIXERS, SAND RECOVERY  
& FURNACES**



**Sale Date:**

Tuesday, October 18  
at 10:00 AM EDT

**Inspection:**

Monday, October 17  
from 10:00 AM  
to 4:00 PM EDT  
or by appointment

**Location:**

50320 & 50220  
E. Russell Schmidt Blvd.,  
Chesterfield, Michigan  
48051

(approx. 30 miles NE of  
Downtown Detroit)

MITUTOYO Crysta Apex C 122010 CMM

2006



2009



TINKER OMEGA TOM-350 No-Bake Mixer

For further information contact: **BRYAN GOODMAN** Tel: (410) 654-7500, ext. 235 Email: [bryan.goodman@go-dove.com](mailto:bryan.goodman@go-dove.com)

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OKUMA & HOWA Millac 630H HMC

## HORIZONTAL MACHINING CENTERS

**2003 OKUMA & HOWA** Millac 630H 4-Axis HMC, S/N 63113, w/Fanuc 16i-MB Control, Twin 24.8" Sq. Pallets, Travels; X-40.16", Y-32.28", Z-32.28", W-360,000 Position, 10,000 RPM, 80-Station ATC, Thru-Spindle Coolant, Chip Conveyor

**2004 OKUMA & HOWA** Millac 550H 4-Axis HMC, S/N 55098, w/Fanuc 16i-MB Control, Twin 21.65" Sq. Pallets, Travels; X-31.5", Y-31.5", Z-27.56", W-360,000 Position, 10,000 RPM, 60-Station ATC, Thru-Spindle Coolant, Chip Conveyor

**1998 OKK** HM60 HMC, S/N 192, w/Neomatic Meldas 500 Series Control, Twin 24.60" Sq. Pallets, Travels; X-31.5", Y-28.7", Z-31", 8,000 RPM, 40-Station ATC, Thru-Spindle Coolant

**1997 ZOLLER** Premium Tool Presetter, S/N N.A.

## VERTICAL MACHINING CENTERS

**1994 FADAL** VMC 8030 VMC, S/N 9408864, w/Fadal 32MP Control, 82" x 30" Table, Travels; X-80", Y-30", Z-30", 10,000 RPM, 21-Station ATC

(2) **2000 FADAL** VMC 6030 VMC's, S/N's 200010012, 200010011, w/Fadal 32 MP Control, 65" x 30" Table, Travels; X-60", Y-30", Z-30", 10,000 RPM, 21-Station ATC

(3) **FADAL** VMC 6030 VMC's, S/N's 9305354, 9208498, 9010648, w/Fadal 32 MP Control, 65" x 30" Table, Travels; X-60", Y-30", Z-30", 10,000 RPM, 21-Station ATC



OKUMA & HOWA Millac 550H HMC



OKK HM60 HMC



## TURNING CENTERS

**2003 OKUMA & HOWA HL-35 Turning Center**,  
S/N 412, w/Fanuc 18iT Control, 12" Chuck,  
Max. Swing – 19.69", Max. Centers – 24.02",  
3,500 RPM, 25 HP Motor, 12-Station Turret,  
Tailstock

**2000 OKUMA & HOWA HL-20 Turning Center**,  
S/N 444, w/Fanuc 21T Control, 8" Chuck, Max.  
Swing – 19.69", Max. Centers – 18.1", 4,500  
RPM, 20 HP Motor, 12-Station Turret, Tailstock



**ZOLLER Tool Presetter**



**OKUMA & HOWA HL-35 Turning Center**



**OKUMA & HOWA HL-20 Turning Center**



**FADAL VMC6030 VMC**



**FADAL VMC8030 VMC**



**View of FADALs**

## CMM & INSPECTION

**2006 MITUTOYO** Crysta Apex C 122010 CMM, S/N MC00307, w/55"x 117" Drilled and Tapped Black Granite Table, Measuring Range; X-47.44", Y-78.93", Z-39.56", Renishaw PH10MQ Probe, P1200 Probe Interface, PC Demmis Control



Granite Surface Plate



View of Steel Layout Plates



MITUTOYO Optical Comparator



JOHANSSON Topaz 20-10 CMM

**1998 JOHANSSON** Topaz 20-10 CMM, S/N 8489-70163, w/41"x 83" Drilled and Tapped Black Granite Table, Measuring Range; X-39.37", Y-78.75", Z-39.37", Renishaw PH10MQ Probe, P1200 Probe Interface

**MITUTOYO** PH-350 13" Optical Comparator, S/N 20137, w/2-Axis DRO

**ALSO;** (5) Assorted Granite Surface Plates: Up to 54" x 120" x 8", (11) Steel Layout Tables: Up to 54" x 97", Micrometers, Verniers, Pin Gauges, Hardness Tester, Etc.

## BORING MILL, PLANER MILLS & MILLS

5" **WOTAN** B-130 4-Axis Table-Type Boring Mill, S/N S4256, w/Heidenhain 4-Axis D.R.O., 60" x 67" Rotary Table, Travels; X-78", Y-61", Z-48", 36" SPL Travel

**CUSTOM** 36" x 122" Dbl. Housing Planer Mill, S/N N.A., w/2 HP Bridgeport Milling Head

**CUSTOM** 44" x 120" Open Side Planer Mill, S/N N.A., w/2 HP Bridgeport Milling Head

(3) **BRIDGEPORT** 2 HP Ram Type Turret Mills, S/N's BR278740, BR278728, BR259309, w/9" x 42" Power Feed Table, 2-Axis D.R.O.

(2) **BRIDGEPORT** 2 HP Ram Type Turret Mills, S/N's BR259314, BR259307, w/2-Axis DRO

## ASSORTED MACHINE TOOLS & ACCESSORIES

**AFM** TITE40 18" x 72" Engine Lathe, S/N 9207

3' **FOSDICK** Radial Arm Drill, S/N 19013, w/11" Column

**POWERMATIC** 1150/1200 Vari-Speed Drill Press, S/N 9243013

**DoALL** V36 Vertical Bandsaw, S/N 36463666

**WELLS** W-9 9" x 18" Semi-Auto Horizontal Bandsaw, S/N 904579

**REID** 618HA Hand Feed Surface Grinder, S/N 20973

(2) **BRETTTRAGER** Ram Type EDM's, S/N's N.A.

**ALSO;** Double-End Grinders, Arbor Presses, Angle Plates, #40 and #50 Taper Tool Holders, Machinist Vises, Rotary Tables, Perishable Tooling, Sine Plates Tool Trolleys, Clamps, Etc.

2006



MITUTOYO Crysta Apex C 122010 CMM

1998





5" WOTON Table-Type Boring Mill



View of BRIDGEPORT Mills



CASTEC CEL-100-3 PR Portable No-Bake Mixer

## FOUNDRY DEPARTMENT

**2009 TINKER OMEGA TOM-350 No-Bake Mixer**, S/N TM3-135-N, w/200-Lb. to 550-Lb./Min. Capacity, Articulating Arm, (3) Pumps, Control, (2) 1995 Castec ECH300 Electric Sand Heaters, 45/60 Kw, w/Control, (2) Universal Bucket Elevators, Sand Feed Hopper

**2009 TINKER OMEGA 31" x 48" Electric Compaction Table**

**2003 CASTEC AR CEL-300 No-Bake Mixer**, S/N C300-039, w/300-Lb./Min. Capacity, Articulating Arm, (3) Castec Pumps w/Control Panel, Castec ECH300 Electric Sand Heater, 45/60 Kw, Control Panel, Sand Feed Hopper

**1996 CASTEC CEL-100-3 PR Portable No Bake Mixer**, S/N CEL-100-008, w/100-Lb./Min. Capacity, (3)Pumps, Control, Sand Feed Hopper

*Continued on next page...*



CASTEC AR CEL-300 No-Bake Mixer



TINKER OMEGA TOM-350 No-Bake Mixer





**SPEEDY MELT T1000 Furnace**



**LECTROTHERM 94016 Furnace**



**CASTEC Rec-Pak Sand Reclaimer**

## Continued... FOUNDRY DEPARTMENT

**CASTEC 30.5" x 42" Electric Compaction Table**

**SPEEDY MELT T1000 Crucible Furnace**, S/N 102, w/1,000-Lb. Capacity, Gas Fired, Motorized Tilt, Blower, Control, Spare Unused Crucible

(2) **LECTROTHERM** Crucible Furnaces, w/940-Lb. Capacity, Electric 65 KW, Motorized Tilt, Morgan Mfg. Control Panel

(2) **SPEEDY MELT MT300 EMT Crucible Furnaces**, S/N's 101 and 102, w/300-Lb. Capacity, Electric 24 KW, Motorized Tilt

(2) **SPEEDY MELT T-200 Crucible Furnaces**, S/N's 250-3 and N/A, w/225-Lb. Capacity, Gas Fired, Blowers, Control, Motorized Tilt



(2) **SPEEDY MELT MT300 EMT Furnaces**



(2) **SPEEDY MELT T-200 Furnaces**



View 5-Ton Crane and **QUIPTEC** Mold Handler

**CASTEC** Rec-Pak Sand Reclaimer, w/36" x 54" Shakeout, Pneumatic Transporter, Control, 3 TPH System and Control

**QUIPTEC** 2,000-Lb. Capacity Mold Handler

**DUST-HOG** FJH16-4 Pulse Type Dust Collector, S/N 6002150, (8) Pulses, Approx. 2000 CFM

**CLEMCO** 2452 Sand Blast Room, w/60 Cu. Ft. Capacity Unit, 12' x 12' x 7' Ht.

**1999 GOFF** 6BB Tumblast Blast Machine, S/N 88061, w/Rubber Belt, 6 Cu. Ft. Capacity, Elevator, Separator, Dust Collector

**DUST HOG** Pulse Type Dust Collectors, (8) Pulses, Approx. 1000 CFM

**2010 ARUM TECH.** Metalscan 2500 Portable Spectrometer, S/N 5207, W/28 Elements-Si, Fe, Cu, Mn, Mg, Cr, Ni, Zn, Ti, Ag, As, B, Be, Bi, Ca, Cd, Co, Ga, Hg, Li, Na, P, Sb, Sc, Sn, Sr, V, Zr, Standards, Argon Tank, Computer, Printer

**ALSO**; Sand Silo (Outside) 8' Dia. x 24' Ht., Reclaimed Sand Silo (Outside) 10' Dia. x 32' Ht., **CASTEC** New Sand Silo, w/Pneumatic Transporter, Control, Gravity Type Roller Conveyor, 24" Wide x 2" Dia. Rollers, 3" CC., w/(2) Turns and Approx. 75' L., Gravity Roller Conveyor, 24" W x 2" Dia. Rollers, 3" CC, (4) Curves, Approx. 120' L., (2) **HAMMOND** Belt Sanders, 3" Wide Belt x 42"

## VACUUM CASTING

**DMS** 900 Vacuum Casting Machine, S/N DMS-2000-1001

**DMS** 500 Vacuum Casting Machine, S/N DMS-2000-1002

**MAMMERT** 800 Twin Door Oven, S/N D06063

## WOODWORKING SHOP

**TANNEWITZ** G-1E 36" Vertical Wood Cutting Band Saw, S/N 13965, **TANNEWITZ** G-1 36" Vertical Wood Cutting Band Saw, S/N 10638, **POWERMATIC** 141 14" Vertical Wood Cutting Band Saw, S/N 8541002,

**POWERMATIC** 81 20" Vertical Wood Cutting Band Saw, S/N 9081058, **DELTA ROCKWELL** 34-350 Table Saw, S/N 1380604, **POWERMATIC** 180 18" Planer, S/N 7880146, **DELTA** RJ42-37420 16.5" Joiner, S/N 9554, **ROCKWELL** 67-220 6" Joiner, S/N EC9122, **DELTA** 33-082 Radial Arm Saw w/Side Tables, S/N 90E29693, **STATE** T-5 Oscillating Spindle Sander, S/N 438, (2) **STATE** 24" x 3 HP Vertical Disc Sanders, S/N N.A.

## WELDERS

**1999 MILLER** Trail Blazer 251 Portable Gas Powered Welder/Generator, S/N KK112183, w/250 Amp, 8000 Watt, **HYPERTHERM** Max 2000 Plasma Cutting System,

S/N 200-002978, **MILLER** Syncrowave 351 TIG Welder, (3) **MILLER** Maxstar 152 150-Amp CC DC Inverter Welders, S/N's KE634839, LA332852, KBO83738, **2001 MILLER** Deltaweld 425 Mig Welder, S/N LA252469, **MILLER** Deltaweld 300 Mig Welder, S/N KE743620

## MATERIAL HANDLING & VEHICLES

**CRB** 5-Ton x 38' Overhead Bridge Crane, S/N 759196, w/120' Free Standing Runway Structure

(2) **ABELL HOWE** 3-Ton Free Standing Jib Cranes

(11) **ABELL HOWE** Jib Cranes, Up to 1-Ton Capacity

(2) **SPANCO** E Series 1-Ton Portable Gantry Cranes

**CLARK** CGC-30 6,000-Lb. LPG Forklift, S/N C365L-0883-9393FB

**YALE** GLC060 5,000-Lb. LPG Forklift, S/N E187V07340V

**CLARK** CPS25MB 5,000-Lb. LPG Forklift, S/N CP138MB-0495-6925-KOF

**CONDOR** U2033XL 1,000-Lb. x 40' Electric Scissor Lift

**JOHN DEERE** 7775 Skid Steer Loader, S/N MO7775XO25628

**JOHN DEERE** Gator Utility Vehicle

**GMC** Yukon Sport Utility Vehicle, S/N 1GKEK18K5SJ703106, w/Plow and Harness

## FACTORY EQUIPMENT

**QUINCY** QSI 50 HP Rotary Screw Air Compressor, S/N 906632H

**LeROI** 50 HP Rotary Screw Air Compressor, S/N 4166X2270

(2) **QUINCY** QMB25 25 HP Rotary Screw Air Compressors, S/N's 87469, N.A.

**HANKINSON** 80/200 Refrigerated Air Dryer

**DOMINIK HUNTER** CRD125 Refrigerated Air Dryer

**UNILOY** UA250AC Refrigerated Air Dryer

**ALSO;** Dumping Scrap Hopper, Pallet Racking, Clamping Sets, Hand and Power Tools, Ladders, Shop Fans, Pressure Washer, Welding Supplies and Screens, Pallet Jacks, Scales, Flammable Liquid Storage Cabinets, Tool Cabinets, Electrical and Plumbing Hardware, Strapping Caddies and Tools, Die Trucks, Barrel Stands, Shop Vac, Etc.

## OFFICE EQUIPMENT

**INCLUDING;** Personal Computers, CAD-CAM Systems, Plotters, Printers, Executive Furniture, Boardroom Furniture, Work Cubicles, Filing Cabinets, White Boards, Storage Cabinets, Etc.



**DUST-HOG** Dust Collector



**GOFF** Blast Machine



View of Silos



**DMS** Vacuum Caster



View of **MILLER** Welders



**MILLER** Portable Welder



View of Rolling Stock



**Sale Date:** Tuesday, October 18 at 10:00 AM EDT  
**Inspection:** Monday, October 17 from 10:00 AM to 4:00 PM EDT, or by appointment  
**Location:** 50320 & 50220 E. Russell Schmidt Blvd., Chesterfield, Michigan 48051  
 (approx. 30 miles NE of Downtown Detroit)

**PAYMENT:** May be made by cash, certified funds or company check with a confirming letter of guarantee from an acceptable issuing bank. **SAMPLE BANK LETTER:** This bank guarantees payment to GoIndustry DoveBid from (name of customer) on account # \_\_\_\_\_ up to the amount of \$ \_\_\_\_\_. This letter is valid for purchases at the Michigan Metal Technologies auction on Tuesday, October 18.

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**BUYER'S PREMIUM:** A discounted buyer's premium of 16% of the bid price will be added to the bid price for each lot for buyers who pay in the form of cash, cashier's check, company check (with a letter of guarantee) or wire transfer; the full buyer's premium of 18% shall apply for buyers who pay via credit card.

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**REMOVAL:** All small items must be removed by Tuesday, October 25. All other items must be removed by Friday, November 4.

**NOTE:** Any removal requiring rigging may be done by the buyer listed on the invoice (as long as Removal/Insurance requirements are complied with) or by one of the pre-approved riggers. Please visit our website at [www.Go-Dove.com](http://www.Go-Dove.com) or contact Auctioneer for more information.

#### INSPECTION:

Monday, October 17 from 10:00 AM to 4:00 PM EDT, or by appointment.

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**AIRPORT:** The area is served by Detroit's Metro Airport, approximately 47 miles southwest of the auction site.

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