

***Late Model CNC Machining, Heat Treat,
Plant Support Equipment Used To Machine
Forged Axle Component Products***

**Thursday, March 5th • Beginning at 10am Local Time
Detroit, Michigan**

CNC GRINDERS, TURNING & MACHINING CENTERS



(1 OF 4) DAEWOO PUMA 300GL MODEL 250B 2-AXIS CNC TURNING CENTERS



(1 OF 4) MORI SEIKI MODEL ZL-25B/1000
4-AXIS CNC TURNING CENTERS



(1 OF 4) SW BA400-2 2-SPINDLE CNC
HORIZONTAL MILLING & DRILLING CENTERS



(1 OF 2) MORI SEIKI MODEL MH50 PALLET TYPE
CNC HORIZONTAL MACHINING CENTERS



12-STATION LINEAR PALLET
TRANSFER/STORAGE SYSTEM

CNC CENTERLESS GRINDERS

- 3 – KOYO MODEL KC300IN 4 AXIS CNC INFEEED AND THRU FEED CENTERLESS GRINDERS, S/Ns KC026AF02 (2004), KC049AF10 (2005), KC050AF11 (2005), With Fanuc Powermate I Model D Controls (Reserve of \$75 K On each)

CNC TURNING CENTERS

- 4 – DAEWOO PUMA 300GL MODEL 250B 2-AXIS CNC TURNING CENTERS, S/Ns PM250781, (2000), (BT# 607408), PM250782, (2000), (BT# 607407), PM250784, (2000), (BT# 607691), PM250785, (2000), (BT# 607690), Fanuc Series 16i-T Controls, 12-Position Tool Turret, Programmable Tailstock, Approximately 20" Between Centers, Coolant, Chip Conveyor, Automated Servo Driven Gantry Unloaders, Enclosures (Plant 8)
- 4 – MORI SEIKI MODEL ZL-25B/1000 4-AXIS CNC TURNING CENTERS, S/Ns 856 (1996), (BT# 600095), 860 (1996), (BT# 600094), 864 (1996), (BT# 600096), 859 (1996), (BT# 600098), GE Fanuc Series 16-T Controls, 10-Position Upper & 8-Position Lower Tool Turrets, Programmable Tailstock (Plant 7, Komatsu Press Area)

CNC MACHINING CENTERS

- 4 – SW BA400-2 2-SPINDLE CNC HORIZONTAL MILLING & DRILLING CENTERS, S/Ns 164.108 (2000), (BT# 603940), 164.107 (2000), (BT# 603939), 164.113 (2000), (BT# 603941), 164.114 (2000), (BT# 603942), GE Fanuc Series 160i-M Controls, 4-Station Rotary Workpiece Trunnion, 3-Axis, Automatic Toolchanger, HSK Spindle Taper, 400mm Spindle Spacing, Door Opening 1200mm x 1135mm (Plant 7, Area 6, C22-C23)
- 2 – MORI SEIKI MODEL MH50 PALLET TYPE CNC HORIZONTAL MACHINING CENTERS, S/Ns 823 (1994), (BT# 107920A), 822 (1994), (BT# 107920B), GE Fanuc Series 16-M Controls, 19-3/4" x 19-3/4" Pallet Size, Spindle Speeds to 6000 RPM, 120-Position Automatic Toolchanger, CAT 50 Spindle Taper, Coolant, Chip Conveyor, Enclosures, (Plant 7, Area 4, C/D 27)
- 1 – 12-STATION LINEAR PALLET TRANSFER/STORAGE SYSTEM, Fanuc System F-D Mate Mini CNC Control, Automatic Transfer Car, Enclosure Fencing (Plant 7, Area 4, C/D 27)

HELLER MACHINING LINES • SHAFT LINE GAGING • SHAFT HARDENERS



HELLER LINE GANTRY'S



HELLER LINE DUAL LANE WALKING BEAM THRU FEED WASHER



VIEW OF HELLER LINE MACHINE BASE COMPONENTS



(1 OF 2) ZERSTORUNGSFREIE EDDY LINER P4 PMFT (PREVENTATIVE MULTI FREQUENCY TEST) EDDY CURRENT TEST STANDS



TOCCO TWIN SPINDLE VERTICAL SCANNER TYPE INDUCTION SHAFT HARDENER



VIEW OF HELLER LINE COOLANT PUMPS & MOTORS

HELLER MACHINING LINES

Note: Heller Lines Have Been Removed From Their Original Installation Location

- 1 – HELLER 360 CARRIER HOUSING CNC AUTOMATED MACHINING LINE, (BT# 603148/603149) (New 1999), Plant 3, Columns E/G-8/15)
- 1 – HELLER 370 CARRIER HOUSING CNC AUTOMATED MACHINING LINE, (BT# 603915/603916) (New 1999), (Plant 3, Columns E/G-8/15)

HELLER LINE COMPONENTS AND ACCESSORIES: BT# 603148, HELLER 360 GANTRY, (Plant 6), BT# 603915, HELLER 370 GANTRY, (Plant 6), BT# 603914, HELLER 370 GANTRY, (Plant 6), Vertical Shaft Coolant Pumps, & Motors, (Plant 6), BT# 603148 ROTATE STATION, (Plant 6), BT# 603149 AUTOMATION, (Plant 6), BT# 603915 AUTOMATION, (Plant 6), HENRY FILTER SYSTEM, (Plant 6), DUCT WORK, (Plant 6), BT# 603148 HELLER 360 TOOLING CABINETS, (Plant 6), BT# 603148 HYDRAULIC POWER UNIT, (Plant 3), BT# 601371 HYDRAULIC TANK, (Plant 3), BT# 601370 HYDRAULIC TANK, (Plant 3), BT# 603915 HELLER 370 DUCT, (Plant 3), TRANSFORMERS, (Plant 3), BT# 603148/603149 – MISC. HELLER GUARDING, (Plant 3), BT# 603148/60149-2 TURN SECTIONS, (Plant 3), BT# 603148, LOAD CONVEYOR, (Plant 3), (1) 24" Wide x 26' Chip Drag Conveyor, With 4' Sides, (Plant 3), BT# 603340 Dual Lane Thru-Feed Washer, Walking Beam Transfer, 30', (Plant 3), Guarding, Panels, Piping, Wiring, etc. (Plant 3)

- 1 – LUBERITE SYSTEM: Note: System has been Removed from its Original Installation Location and is in Storage. Information Provided by American Axle

NEW PARTS CRIB INVENTORY (INDIRECT MATERIAL)

Large Quantity New Crib Inventory Supplies Including: Mechanical, Electrical, Fluid Power, Power Transmission, Pneumatics, Hydraulics, Lubrication, Tooling, Gauging, Instrumentation, Machine Repair, etc. (Plants 7 & 8)

SHAFT LINE GAGING & RELATED

- 2 – MARPOSS IN-LINE SHAFT GAGING STANDS (BT# 500496, MB 03272)
- 1 – MARPOSS COMPUTERIZED GAGING STAND CONTROL PANELS
- 2 – ZERSTORUNGSFREIE EDDY LINER P4 PMFT (PREVENTATIVE MULTI FREQUENCY TEST) EDDY CURRENT TEST STANDS, S/Ns NA, (BT# 603577, 603570), In-Line, Allen Bradley Panel View 550, PLC (Plant 8)
- 1 – JENSEN 2-LANE CONVEYORIZED THRU-FEED ANNEALING OVEN, S/N 6496 (1996), #BT 601807, Gas Fired, (2) 24" Wide Wire Mesh Belts, 45' Length, 2-Zone, 1.5M BTU/Hr., Zone 1: 1000 CFH, 425 Degree Fahrenheit, Zone-2: 1500 CFH, 325 Degree Fahrenheit (Plant 8)
- 1 – AUTO CON CONVEYORIZED THRU FEED PARTS WASHER, S/N NA, (BT# 601818A), (Plant 8)

SCANNER TYPE INDUCTION SHAFT HARDENERS

- 1 – TOCCO TWIN SPINDLE VERTICAL SCANNER TYPE INDUCTION SHAFT HARDENER, MODEL: SPECIAL WORKSTATION, S/N 20-1786-22F (2001), (BT# 606228), Model 400-3T-06H 400 KW, 3 KHz Power Supply, S/N 20-1186-12F, (Plant 3)
- 3 – TOCCO TWIN SPINDLE VERTICAL SCANNER TYPE INDUCTION HARDENERS, S/Ns NA, BT# 606224, 606230, 606225 (Plant 3)