



Equipment Surplus to Ongoing Needs of Northwest Airlines

**Tuesday & Wednesday
August 29 & 30, 2006
5101 NORTHWEST DR. BLDG. B**

**Thursday & Friday
August 31 & September 1, 2006
7500 AIRLINE DR. - BLDG. C
HANGAR 6**

Both Addresses Are Located at Minneapolis/St. Paul Int'l Airport

Absolute Auction

**Starting At 9:00 A.M. All 4 Days
Sales Site Phone: 612-726-8720**

AUCTION PARKING:
Note; Both Sale Site Locations Are In A Secure Area
ALL AUCTION ATTENDEES MUST PARK IN THE FOLLOWING AREA:
Minneapolis /St Paul Airport (North Post Rd), Employee Lot B Directions to Parking Lot: From I-494 Take 34th Ave (Humphrey Terminal) Exit Go North Approx. 1 Mile to E-70 ST (Post Road) Turn Right Go Approx. 1/2 Mile Parking Lot on Left Watch For Signs. Bus Will Shuttle You to Auction Sites

OPEN HOUSE & INSPECTION
Monday August 28th from 9:00 Am – 5:00 Pm
You Must Park in Auction Parking Area for Open House Also, Bus Will Shuttle to Auction Sites

AIRLINE CONNECTIONS:
All Major Airlines into Minneapolis – St Paul Int'l Airport Rental Cars Available There

STARMAN BROS. AUCTIONS INC.
1240 Royal Drive ■ Papillion, NE 68046-2082
(402) 592-1933

STARMAN BROS. AIRLINE SERVICES, INC.
9000 NW 15TH STREET ■ MIAMI, FL 33172
(305) 477-6865

MINNEAPOLIS HOTELS

Hotel Headquarters Ramada Inn 952-854-1771	Courtyard by Marriott 952-876-0100 952-646-2803 651-452-2000
Amerisuites 952-854-0700	Comfort Inn 952-854-3400
Holiday Inn Select 952-854-9000	Grand Lodge 952-229-5700
Candlewood Suites 612-869-7704	Americ Inn 612-869-8600
Microtel Inn 952-854-6600	Embassy Suites 952-854-1000
Fairfield Inn & Suites 651-454-1978	Hilton 952-854-2100
Quality Inn & Suites 952-854-5558	Homewood Suites 952-854-0900
Residence Inn 952-876-0900	Holiday Inn Express 952-854-1687

Note: All Hotels are within a 2 mile radius from the sales site

SALE ORDER

TUESDAY, AUGUST 29TH

Hydraulic Test Benches, CSD/IDG Benches, Measuring Equipment, Back & Down draft Booths, Balancing Machines, P&W JT-8 & JT-9 Tooling, APU tooling, Engine Bearing Room, NDT Equipment, Saws, Dust Collectors, Arbor Presses, Drill Presses, Surface Plates, Fuel Test Benches, Turbine & Compressor Blade Riveters

THURSDAY, AUGUST 31ST

Press Brakes & Sheet Metal Equip., Vertical & Horizontal Saws, Electric Ovens, Blasting Cabinets, Drill Presses, Aircraft Jacks, Welders, Lift Tables & Stands, Slide Raft Packing Fixtures, Air Conditioning Carts, Misc. Shop Equip., Dust & Smoke Collectors, Aircraft Docks & Maintenance Stands, Aircraft Servicing Equip., Window Polishing Equip., Aircraft Tooling

WEDNESDAY, AUGUST 30TH

Horizontal Boring Mills, Vertical Milling Machines, Vertical Turret Lathes, Lathes, Milling Machines, CNC Turning Centers, Welding & Plasma Spray Equip., Pneumatic Test Cells, Sheet Metal Equip., Degreaser Line & Cleaning Equip., EDM Machines, Grinders, Wheel & Brake Shop, Engine Arms Waterjet System, Overhead & Jib Cranes
NOTE: Blasting Booths, Furnaces & Ovens, Misc. Shop Equip, Shelving Benches & Cabinets Will Be Sold Thru-Out Both Days

FRIDAY, SEPTEMBER 1ST

Equipment, ATE Bench, X-Ray Equipment, NDT Equipment, Tooling & Hardness Testers, Hand Tools & Test Sets, Commercial Lawn Mowers & Trailer, Cabinets, Racks Shelving, Mail Carts

NOTE: This Sale Order Should Be Used As A Guide Line. There May Be Some Overlapping Of Items. We Will Be Running 2 Selling Rings At Various Times On The 2nd & 3rd Days. COME PREPARED.

Items Selling Tuesday, August 29, 2006

===== HYDRAULIC TEST BENCH'S =====
Vickers Mdl SKA-1718-85 Hydraulic Pump Test Stand
Habco Mdl 4082002 Oil Flow Bench S/N 5608, Mfg "94", w/CTE 6050 Computerized Control Panel Has Oil Temp & Press Controls & Several Test Fixtures
ACL Mdl 4747 Hyd Test Stand, S/N 1011, Has High, Medium & Low Output Ports, Flows 70 GPM @ 4000 PSI w/ACL Mdl 4717 Flow Control Panel
REF Dynamics Mdl JHCT-1 Hydraulic Test Stand: Single System Flows 30 GPM @ 3000 PSI w/Updated Flow Data RT-800 Flow Computer & ACL 4717 Flow Control Panel. Also Has Drive Systems to Test Hyd. Pumps & Motors, Max Speed of Drive for Testing Pumps: Low 3320-6740 RPM
Greer Hydraulic Mdl 10SE3V-20VB Dual system Hyd Test Bench: Flows up to 20 GPM @ 4000 PSI, has Updated Flow Data RT-8000 Series Flow Computer & ACL Mdl 4717 Flow Control Panel
Greer Dual System Hyd. Test Stand: Flows up to 15 GPM @ 3000 PSI, Has Flow Data RT-8000 Flow Control Panel
REF Dynamics Mdl JOCTR-1 Oil Cooler & Temperature Regulator Test Bench w/Flow Rate up to 25 GPM & Temp Controls up to 250 Degrees
ACL Mdl 4747 hydraulic Test Stand: Flows 10 GPM @ 4000 PSI
Shop Built Oil Filter Test Bench: Flow Range 0-25 GPM, Measures Diff Press up to 60 PSI
Sunstrand Mdl GTSC-200 CSD Governor Test Stand
Anti Skid Test Bench, 4 Port Systems, Up to 6000 PSI System Pressure Skydrol w/Flow Chart Data RT-8000 Flow Control Meter S/N 106
ACL Image 2000 Servo System Test Stand w/ACL Mdl 9740-0044 Control Console & Shop Built Actuator Test Fixture
Crane Mdl 97-001A Hydro Mark II Press, Control Valve Test Stand w/Yokogawa 3023 XY Chart Recorder
Aero Quip MDL F-2051 Hose Assy Machine Line Sizes - 10 Through - 48.
Aero Quip MDL F-2328N2 Hyd Hose Test Bed Length 10', OTO 10,000 PSI.
Cenco Rotary Snubber Test Bench
Blackhawk MDL P182 High Press 5606 Hyd Pump
Good Selection Of Hydraulic Component Overhaul Tools and Fixtures.

===== CSD/IDG TEST STANDS =====
Avtron MDL K-738 CSD/IDG Test Stand, 300 Hp Motor 1000-2700 RPM Gear Box Speed Increaser Ratio 5.65 To 1 Max Output RPM 15,000 Has Avtron Advantage 32 Ac To DC Power Converter Panel & Avtron DI4882 Control Panel W/ Yokogawa OR100E Oscillographic Recorder.

Avtron MDL K-738 CSD/IDG Test Stand 300 Hp Motor 1000 To 2700 RPM, Speed Increaser Ratio 1.0 To 5.65, 15,000 RPM. Has Reliance Max Pak Plus Power Supply, Avtron D17666 Control Panel W/ K731 Transient Recorder and Tektronic 2213A Oscilloscope
Avtron MDL T-873 CSD/IDG Test Stand, 300 Hp Motor 850 To 2125 RPM, Speed Increaser Ratio 5.65 To 1, 12,000 RPM Has Avtron Advantage 32 AC TO DC Power Converter Panel, Avtron D10510 Control Panel W/ T103 Load Bank
Westinghouse P/N 962 COOL Generator Test Stand, Hp Drive Motor, Single Pad Gear Box 1 to 3 Ratio, 11,348 RPM, W/ Avtron T-143 Load Bank 90 KVA AC and 500 Amp DC W/ Avtron K225 Modulation Meter
Westinghouse P/N 962COOL Generator Test Stand, 110 Hp Drive Motor, Single Drive W/ Dual Head Gear Box Adapter, Avtron MDL T-143 Load Bank 90KVA AC and 500 Amp DC W/ Avtron Advantage 32 AC To DC Power Converter Panel
Avtron D31236 Demag/Remag Unit.
Excide Electronics MDL 4080 100/ P3 KVA Uninterruptible Power Systems

===== MEASURING EQUIPMENT =====
Starrett Mdl RGDC 6460-40B Bridge Type Coordinance Measuring Machine, S/N SD5253, 6' x 8.5' Granite Table, 14" Thick, XYZ Axis, Starrett Apogee Software Program, Reinshaw Mdl PHC10-2 Probe Head Controller & PI-200 Probe Interface, Several Spare Probes, Dell Computer System
DEA Mdl Iota Mdl 1203 Bridge Type Coordinate Measuring Machine S/N M1203267, XY & Z Axis, Table Size 7.3"L x 4'6" W x 16" Deep, AAA Granite
Mitutoyo MDL PH-3500 Profile Projector. S/N 650133 W/Mitutoyo Micropak 2 Digital X, Y Readout Controller.
Nikon Mdl MM40 Measure scope w/ Metronics Quadro-Check 2000 XY Axis Controller & Digital Readout
Optical Comparator W/ Flats Several Surface Plates.
Standard 8000 Series Smart Electronic Gauge Column w/ 4 Electronic Bore Gauges
Brown & Sharpe Centering Fixture

===== BACK & DOWN DRAFT BOOTHS =====
(4ea) Donaldson Torit Backdraft Booths Mdl ECB-3 11'W x 7½ D
Donaldson Torit Mdl TDDDB 5000 Down Draft Table 6'W x 4'D
(2ea) Binks Dual Filter Backdraft Booth 8' W x 6' D
Solvent Booth 8' W x 4' D x 4' 14 w/ Roller Table

====BALANCING MACHINES =====
Schenck Mdl RL 50UB Horizontal Balancing Machine, S/Narh0022, Mfg"70", rotor Weight range 50-4500 Lbs, Max Weight Per Pedestal 3000 Lbs, Max Rotor Diameter 118", Bed Length 206", Center Line Distance 146", 75 HP, w/GAB 640 Control Head & Color Video Data Monitor
Schenck Mdl RLUB Horizontal Balancing Machine, S/N 0165, Rotor Weight Range 22-2200 Lbs, Max Weight Per Pedestal 1500 Lbs, Max Roto Diameter 63", Bed Length 138", Center Line Distance 96", 30 HP w/Schenck Mdl 690R Control Head
Schenck Mdl VE4L Vertical Balancing Machine, S/N AVF8509, Mfg "98", Wt. Range 11-330 Lbs, Shroud Inside Diameter 62", 10 Hp Drive w/Cab 690 Control Head & Video Data Monitor
Schenck Mdl VE40L Vertical Balancing Machine, S/N AVF 8508, Mfg "98", Wt Range 22-660 Lbs, Shroud Inside Diameter 62", 10 Hp Drive w/Cab 690 Control Head & Video Monitor
Schenck Mdl VE40L Vertical Single Plane Balancing Machine, S/N AVF0077, Mfg "85", Weight Range 22-660 Lbs, Shroud Inside Diameter 72", 10 Hp Drive w/Schenck Mdl M-485 Vector Meter
Hoffman Mdl HD-16.1J Horizontal Balance Machine, S/N 97-4-029, Max Rotor Wt. 180 Lbs, Max Rotor Diameter 19", Bed Length 48", Speed Range 60-6000RPM w/Hoffman Polar Graphic Control Head & Monitor
Schenck Type R1 Balancing machine Rotor Weight Range 0.2 – 22 Lbs, Distance Between Support 0.6 – 15.05 “, rotor Diameter Max 14.2 “, Standard Bed Length 20” w/Schenek Cab 690 Control Head

P&W JT-8 & JT-9 TOOLING 7 FIXTURES

(2 ea) Edge Profile Mdl. 900B Comparators For Engine Blades

Able AMI Series M Blade Balancer For Engine Blade Classifying

(12 ea) Compair JT-9 1st Thru 5th Stage Turbine Vane

(9 ea) P&W JT-9 Deflection Gauges 4th Thru 6th Stage

(13) JT-9 Turbine Blade Calibrated Standers

Several JT-9 Blade & Vane Clamp Fixtures

PWA LPT Cross Notch Inspection Fixtures

JT-9 LPT Shaft Transport Carts

JT-9 Intermediate Case Transport Carts & Build Stand

(2 ea) JT LPT & HPC Hydraulic Build Up Fixture Sunken in Pits

Keyence LS-3100 JT-8 Fan Blade Measurement System

Sample List of Tooling Includes: Pullers, Gauges, Lifting Fixtures & Slings, Measuring Bars, Bearing Pullers, Large

Selection of Sweeny Tools Y fixtures, Enerpac Pumps, Adapters, Build Fixtures Sockets, Pressure Testers, Wrenches, Drifts, Go No Go Gauges, Supports Dial Indicator Fixtures, Test Fixtures, Stretch Gauges, Holders, Ring Gauge Standards, Slide Hammers, Gland Nut Sockets, Torque Adapters

FIXTURES: There is a Very Large Amount of Milling, Drilling & Holding Fixtures For The Machine Shop as Well as Several Fixtures For The Welding Shop & Heat Treat Fixtures These Will Be Sold Throughout The First 2 Days.

BALANCING FIXTURES: Sevral JT-8 & JT-9 Balancing Fixtures.

Note: For a More Complete List of The Tooling By Part # & Description Go To Our Web Site www.starmanauctions.com & Click On Upcoming Auctions.

MACHINE SHOP TOOLING

200+ Wilton & Misc. Bench Vices

Several Bench Grinders

Large Selection of Cat 40 Taper Milling Holders & Tools

Large Selection of 50 Taper Milling Holders & Tools

Whopper Boring Heads, Kurt Milling Vices, Collet Sets, Milling Trees, 3 & 4 Jaw Chucks, & Face Plates, Tool Holders & Cutters, Several Reamers, Boring Bars, Tool Post Grinders, Milling Cutters, Rotating Tables, Ring Gauges, Grinding Stones, Dial Bore Gauges, Standards, Centers, Chucks, Optical Flutes, Machine Repair Parts, Gauge Blocks, Etc.

ENGINE BEARING SHOP

Cenco Bearing Seal Pressure Test Bench w/Several Fixtures

Cleveland Mdl. 1000 3 Head Lapping Machine w/40" Table & Auto Slurry Dispensing System

Lapmaster Md. 24 Lapping Machine w/Auto Slurry Dispensing System

Lapmaster 3636 Lapping Machine w/Auto Slurry Dispensing System

Spitfire NP-1705-18 Lapping Machine

DEA Swift Mdl. A001 Coordinate Measuring Machine. X Axis 28", Y Axis 20", Z Axis 13" w/Renishaw Probe & Computer System

(3) P&W Bearing Run Out Check & Test Fixtures

Large Amount of Precision Tools, Microscopes, & Special Tools

Bearing Cleaning Room Equip

===== NDT EQUIPMENT =====
Magnaflux Mdl Ad-945L AC/DC 10' Magnaflux Bench w/ Demag Ring 4000 Amp Output AC, 5000 Amp Output DC S/N 200445
Magnaflux Type DRC-543 Magnetic Partial Inspection Bench. Out Put Current AC, Max 3000 Amps 6' Bed
(2ea) Zyglo Die Penetrant Inspection Lines, 66' Long, w/ 2ea Zyglo Mdl ZL-4860A, Dip Tanks, 55" W x 55" Deep x 27" Mill, Zyglo Mdl ZD-48120A Dryer, Zyglo Mdl ZP-4860 Developer Booth & Roller Table, Black Light Booth
Zyglo Die Penetrant Inspection Line, 38' Long w/ 3ea Stainless Steel Tanks, 43" Wide, 43" Deep x 28" Tall, Black Light Booth & Roller Tables
Magnaflux MDL ZA-28 Zyglo Inspection Line, 12' Long 2 Dip Tanks, Rinse Bay, Dryer, Developer Tank & Black Light Booth
Magnaflux Type NO-242 3" DC Magnaflux Table 500 De-continuous, 1800 Intermittent w/ 2", 4" & 6" Magnetizing Coils S/N 57283
Magnaflux Type L-2152 DC, Magnetizing Table, 2000 Amp Max Output w 2", 4", 6", 8", & 12" Magnetizing Coils S/N 59985
Magnaflux Type SB-2824 Demag Table w/ 29" Ring
Magnaflux Mdl X-2152 6000 Amp DC 5 1/2 Magnetizing Table S/N 88578
Magnaflux Blacklight Table Type TO-3348 S/N 59998
Magnaflux Type TN 3696 Zyglo Table 8'L x 3W x 3D S/N 59727
(2ea) Magnaflux Black Light Booths

===== SAWS =====

Powermatic Mdl 87 Vertical Band Saw S/N 9987009, 20" Throat Tilttable Table

===== DUST COLLECTORS =====

(2ea) Torit Mdl 81, 1 1/2 HP Dust Collectors

Torit Mdl 64 Dust Collector

Several Airflow Systems Mdl Mini-Pac Exhaust Fume & Air Cleaner

Sternvent Mdl DG203 Dust Collector

Chafco Mdl A6 Dust Collector

===== ARBOR PRESSES =====

25+ Arbor Presses, Range from 1/2 - No 3, To Include: Dake, Famco & Greenard

===== DRILL PRESSES =====

Ikeda Mdl RM-1375 Radial Arm Drill S/N 83068 5' x 13" Column, 4' x 4' Table 30 to 1500 RPM Spindle Speed, 9 Feeds

AMT Mdl 5171 1HP 12 Speed Radial Bench Top Drill Press

Clausing Mdl 1686 Variable Speed Drill Press Bench Top

Walker Turner Mdl 65-250 Ram Type Radial Drill, 175 - 8200 RPM Spindle Speed

Wilton 15", 12 Speed Drill Press

Delta Mdl R9451 Variable Speed Radial Bench Top Drill Press

Approx. 10 Various Drill Presses, Most are Floor Models 15' & 20" To Include: Clausing, Walker Turner, Delta etc.

===== SURFACE PLATES =====

Herman Stone Number 23340 Granite Surface Plate 44" W x 44L x 11 Thick

Rock of Ages Granite Surface Plate, 6'W x 4'D x 12'H

Starrett Granite Surface Plate 24 x 24 x 4

Approx. 12 Other Surface Plates, Sizes from 24" - 3'x4'

===== FUEL TEST BENCH'S =====

Bauer MDL 1538017 Main Fuel Control Test Stand. Mfg In "91" S/N 2086. Has Low Press High Volume Boost Fuel Supply Capable of Providing 45,000 PPH @ 50 PSIG, and Low Volume High Press Supply Circuit Capable of 43,750 PPH @ 1600 PSIG, Boost Pump and Motor 10 Hp. Cap 120 GPM, Has (5ea) High Pressure Pumps and Motors All are 40 Hp W/ Cap Of 8750 PPH and Press Of 1600 PSI @ 3500 RPM, Has Druck Press Controller and Calibrator and Daytronic System 10 Data Pac Monitoring System

United Technologies MDL JFC-104-1 Digital Read Out 757 Fuel Control Test Set.

Bauer MDL 1034010 Fuel Pump Test Stand. S/N 30570 Mfg "99" Capabilities Include, JT-9 JT-8 Main Fuel Pumps, JT-9 and JT-8 P & D Valves, Ham. Stan Stator Vane Actuators, Ham. Stan Bleed Valves Actuators TT-2 Sensors Etc. Has 200 Hp Variable Speed Drive Motor W/ ADA 2000 Computer Control Systems and Neff System 470 Data Acquisition System

Central Engineering Fuel Controller Test Bench, Capabilities Include JT8-D, JT9D-7A and 7Q Fuel Controllers and 98, 660 and 700 APU Fuel Controllers. Dual Fluid Control Systems W/ Flow Ranges From 57 To 40,000 PPH. Has (5ea) High Press Pumps and Motors 20 + 25 Hp, Boost Pump Motor is 7.5 Hp and 110 Gal Per Min Pump. Has Druck DPT -530 Press Controller and Has Updated Flow Tech, Flow Computers & Turbines.

American Avitron MDL D19562 Airsearch APU Fuel Control and Pesco Fuel Pump Test Bench S/N 07924 Mfg "74" For Testing CPCP 85, 90F and 98D APU Fuel Controls and CV-580 APU Fuel Pump, Lo Flow 11 to 110 PPH High Flow 57 to 5700 PPH W/ Updated Flow Tech. Flow Computers and Turbines.

Meriam MDL D-22140 Fuel Controller Test Stand S/N TP32-1 Bench Flow Rate 380 to 38000 PPH. Has (4) High Press Pump W/ 20 Hp Motors Pumps Produce 8,000 to 9,000 PPH Boost Pump 110 GPM, Has Updated Parker Hannifin Flow Computers Valve and Flow Tech. Flow Computers & Turbines, Druck DPI-530 Press Controller.

Meriam MDL D-22272 Fuel Pump Test Bench: Capabilities JT8 and JT9 Fuel Pumps, P&D Valves, Tescom and Apco Regulators, Bench Will Flow 380 to 40,000 PPH, Has American Avitron MDL 18241 Drive Unit Bench Has Updated Flow Tech Flow Controllers and Turbines

Testek MDL 101887 Fuel Accy Test Bench S/N 2402, 3 Station Bench, Mfg "98" Station 1 High Press Fuel Pump 13.8 to 3050 PPH Station 2 (1) High Press Pump 360 to 36,000 PPH (1) Low Press Pump 11.4 to 5700 PPH Station 3 Press Test Only 950 to 95,000 PPH W/ Meriam Fluid Bench, Has Updated Flow Tech. Flow Controller and Turbines, Was Used For Fuel Transmitters, Transfer Pumps, and Fuel Valves

Parker Hannifin MDL 67012018 Fuel Nozzle Test Stand, for JT8, JT9 and APU Nozzles W/ Bauer Model 1089011 Fuel Nozzle Spray Chamber Mfg "97"

Parker Hannifen MDL 67012018 Fuel Nozzle Test Stand, for JT8, JT9 and APU Nozzles W/ Bauer Model 1089011 Fuel Nozzle Spray Chamber Mfg "97"
ACL MDL 4736 Engine Vane Control Test Stand Press: 1500 PSI Flow: 6000 PPH Temp 90 Degrees F @ 15 GPM Water Updated W/ Flow Tech. Flow Controllers and Turbine
ACL MDL 4721 Fuel Control Test Bench, For JT8 and JT9 Fuel Controllers, W/ (5ea) High Press Pumps and Motors, Boost Pump and Motor 7.5 Hp, 130 Gal Per Min. Has 2 New Parker Hannifin Flow Control Valves and is Updated With Flow Tech. Flow Controllers and Turbines
Ref Dynamics Small Fuel Component Test Bench up to 1500 PSI
Shop Built Press Switch Test Bench, High Press up to 3000 PSIA
Hamilton Standard MDL JFC 131 Electrical Test Panel
Parker Vane Control Actuator Test Stand
Hipotronics MDL H300B Series Hipot and Megameter, Hipot MDL HD 100 Series Hipot Tester.
Vapor Blast. MDL VBLH-4836 Liquid Honing Machine Cabinet 40" X 40" X 48"
Pillar Mdl GP-1K, 3 Tank 2.5 Gal Ultra- Sonic Cleaning Line W/pillar Rectifiers.
Better Engineering MDL 200 HDSS Rotating Basket, Hot Water Washer, 28" Diameter Basket.
Good Selection Of Fuel Component Tooling and Test Fixtures.

===== TURBINE & COMPRESSOR BLADE RIVETERS ===
(2ea) Advance Mdl ADTB1, Universal Tab Bending & Riveting Machine, S/N 28, Disc Diameter Swing 9.5" Minimum - 42.5" Maximum, Bed Travel 1.5" Min - 42.5" Max
(3ea) P&W turbine Blade Riveters

Items Selling Wednesday, August 30, 2006

===HORIZONTAL BORING MILLS===

Kearns & Richards Mdl KHT 130L CNC Horizontal boring Mill 5", S/N 8000-90, Mfg "91" w/Siemens Sinumerik System 8MC, 5 Axis CNC Controller, Traversing Spindle Diameter 5.1", Spindle Traverse 2 Axis 35.4", Vertical Traverse Y Axis 59", CNC Facing Slide Traverse U Axis 59", 7.48" Work Table, Longitudinal Traverse W Axis 61", Traverse X Axis 118", 48 HP Main Drive, CNC Facing to Boring Head 1-224 RPM, Traversing Spindle 5-1500 RPM, Flood Coolant System, Bed Size 48" x 80", 6 Slot Work Table, T Type Bed Configuration w/Sliding Covers

Lucas Mdl 30 DCS75 CNC 3 Axis Horizontal Boring Machine, Spindle Diameter 5", Spindle Taper #50, Spindle Longitudinal Travel 36", Head Vertical Travel 60", Table Cross Travel 84", Table Dimensions 48" x 110", Saddle Retraction & Feed 48", 40 Hp Spindle Drive Motor, Retrofitted w/Giddings & Lewis 8000 CNC Controller

Lucas Mdl 542B120, 5" Horizontal Boring Machine, 3 Axis, Spindle Diameter 5", Spindle Taper #7 Morse, Spindle Longitudinal Travel 36", Head Vertical Travel 72", 56" x 122" – 10 Slot Work Table, Table Cross Travel 20", Saddle Retraction & Feed 56", 26 Spindle Speeds, Speed Range 10-1220 RPM, 25 Hp Drive Motor

Woton Mdl B-1055 Table Type Horizontal Boring Mill, S/N 40037, Boring Spindle 4 1/8", Spindle Taper ASA-50 Headstock: Spindle Longitudinal Travel 27.5", Vertical Travel 49", Number of Speeds 21, Speed Range 9-1000 RPM, Table 43" x 55", 360 Degree Rotating, Cross Travel 71", Longitudinal Travel 49" w/Accurite W,X,T,Z Digital Readout

Lucas Mdl 441B-48 Horizontal Boring Machine, 4" Spindle Diameter, Spindle Longitudinal Travel 24", Head Vertical Travel 48", Saddle Retraction & Feed 48" w/Accurite XYZ Digital Readout Machine S/N 4182706

Lucas Mdl 42B-60 Horizontal boring Mill: Spindle Diameter 4", Spindle Longitudinal Travel 36", Head Vertical Travel 48", Table Dimensions: 40" x 74", Table Cross Travel 48", Saddle Retraction & Feed 53", Spindle Speeds 26, 10 – 1220 RPM, 20 Hp w/Digital Readout

Woton Horizontal boring Machine, Spindle Diameter 4 1/8", Spindle Taper 50", Boring Spindle Longitudinal Travel 27.5", Headstock Vertical Travel 49", No of Speeds 21, Speed Range 9 – 1000 RPM, Table Size 43" x 55", Range of Rotation 360 Degree, Cross Travel 71", Longitudinal Travel 49", XYZ Digital Readout

===VERTICAL MACHINING CENTERS===

Sharnoia Mdl SVC-80 CNC Vertical Milling Center, Table Work Surface 82.9"x33.9", Longitudinal Travel X Axis 80.7", Cross Travel Y Axis 36.2", Vertical Travel Z Axis 28" Spindle Taper BT50, Spindle Speed 10-360RPM, Tool Capacity 20 w/Sharnoia Control Head & Tiger 6 Software; Will Include Sharnoia Laser Digitizing System S/N 389128007

Ex-Cell-O Mel 508 CNC Work Center 5 Axis, Tool Changer Cap 60, Table Longitudinal Travel, (X Axis) 72", In & Out Z Axis 36", Spindle Vertical Travel Y Axis 48", Dual Tables 40"x40 360 Degree Rotating w/additional 5th Axis 360 Degree Rotating Table, #50 Taper Spindle, Machine has been Retro Fitted w/Giddings & Lewis 8000B Controller Machines S/N 508-046

Tosiba Shibaura Mdl VMC-45 CNC Vertical Machining Center S/N F0633991-11, Mfg. "85", Tool Changer Cap, X Axis Travel, Cat 40 Taper w/Tosnuc 600 M CNC Control Panel

Giddings & Lewis Mdl 25VS CNC Vertical 3 Axis Vertical Machining Center, Spindle Drive Motor, 25 Hp, Spindle Taper #50, Spindle Speeds 40-4000 RPM, Tool Changer Cap 80, X Axis 80", Y Axis 40", Z Axis 40" w/G&L 8000 Computer Controller, Jorgensen Chip Conveyor w/Digitizing Capabilities, Also has 4th Axis Rotating Table

Ex-Cello Mdl 492 Tool Presetter for 50 Taper Tools, S/N215 w/Accurite XZ Digital Readout & Master Bar

=====VERTICAL TURRET LATHES=====

Giddings & Lewis 60" CNC Vertical Turret Lathe, S/N513-121-86 w/12 Station Tool Changer, Diameter of Table 60", Facing Capacity 72", Max Swing 74", Height Under Rail 60", Rail Travel 48", Ram Head Vertical Travel 62", Travel Below Rail 54", Travel Right of Center 44", Travel Left of Center 42" w/G&L 8000 CNC Control head. Set up for Digitizing Cap.

Scheiss Mdl KE-125 Single Column Vertical Turret Lathe, S/N 37659, 48" Diameter Table, Max. Turning Diameter, 49", Max Turning Height above Top of Table 40", 18 Table Speeds, Table RPM 5-250 RPM w/Accurite XYZ Digital Readout

G&L Hypro Type 64 Vertical Turret Lathe, S/N 7546; 62" Table, Dbl Column, right Hand Turret, 38' Horizontal Travel, 36" Vertical Travel, L/H Turret 38", Horizontal Travel 40", Vertical Travel 50 Hp Motor w/2ea Sony XY Digital Readouts

Bethiez Mdl BM-160 Vertical Turret Lathe Single Upright S/N141033, Table Diameter 63", Max Diameter To Be Turned 12", Height Admitted Under the Arm Max 63", Min 17 3/4 , Table Speeds 1.25-160 RPM, Vertical Travel of RAM 39 1/4 , Horizontal Travel 70" , Below the Arm 27 1/2 w/Sony Digital XY Digital Readout

===== LATHES =====

Dean Smith & Grace Monarch Type 25P, 25 x 125 Oil Country Gap Bed Lathe Swing: 26 1/2", Over the Bed Swing in the Gap 40 1/2", Width of Gap 15", Range of Speeds 4.2 – 290 RPM, 10" Hollow Spindle, Bed Length 142" w/Anilam Digital Readout, 3 & 4' Jaw Chucks, Face Plates, Cutters

Clausing-Colchester 17" Engine Lathe, 17" Swing Over The Bed, 16 Spindle Speeds 20-1600 RPM, 86" Length of the Bed, Taper Attachment w/ XY Readout, 3" Hollow Spindle, w/ Steady Rests & Various Plates

(2ea) LeBlond Regal 19" Lathe, 19" Swing Center Distance 54", 12 Spindle Speeds 25-1500 RPM, 8'3" Length of the Bed, Quick Change Chuck, 2 7/8 Hollow Spindle w/ Accurite Digital XY Readout
Clausing-Colchester 15" Engine Lathe, 15" Swing, Bed Length 71", 25-2000 RPM Spindle Speed, 2" Hollow Spindle
(2ea) LeBlond Regal Mdl 19-E7 Lathe, Swing Over the Bed 19 3/4", Distance Between Center 54", 12 Spindle Speeds, Range 25 & 1500 RPM, Bed Length 8'3", w/ Accurite XY Digital Readout, 3 & 4 Jaw Chucks, Face Plates, 1 3/4" Hollow Spindle
(2ea) Turrill Mdl T-300 SB Sliding GAP Bed Lathe, Swing over the Bed 24", Swing over the Gap 34", Length of Gap 0-28", Distance Between Center 69", 18 Spindle Speeds, 16-1250 RPM, 2 1/4 Hollow Spindle w/Accurite III Digital Readouts
Monarch Mdl 12CK Lathe, 14.5" Swing, Center Distance 54", Bed Length 80", w/ Accurite XY Digital Readout
Clausing/Colchester 13" Variable Speed Engine Lathe S/N LVM50511JV02197, 13.7 Swing, 50" Between Centers, Spindle Speed 0-3250 Rev/Min w/ Accu-Rite Digital Readout
Jet GHB-1340 Geared Head Lathe, 12" Swing Over the Bed, 18" Gap 40" Between Center
Harding Mdl HC-CF Chucking Lathe Spindle Nose Diameter 2.2", Max Fixture Diameter 9", Threading Diameter 6", Max Distance from Face to Spindle 13", Spindle Speed 125-3000 RPM w/ Accurite XY Digital Readout
LeBlond 15" Regal Lathe, 15" Swing, 48" Bed
Clausing MDL 5938 Metal Lathe 4' Bed 12" Swing
Southbend Mdl CLK-145 Lathe, 12" Swing, 6' Bed
Warner Swasey No 3 Turret Lathe
LeBlond 19"x39" Gap Bed Engine Lathe, Swing over the Ways 20 1/2", Swing over Gap 40 1/2", Distance Between Centers Closed 6', Extended 10'

==== MILLING MACHINES =====
(2ea) CompuMill 4000 CNC Vertical Milling Machines, 3 Axis, 5 Hp Head, 15" x 51" Table Has Autocon Dynapath, Delta CNC Controllers
Bridgeport Series II Special Vertical Milling Machine, 2HP Head, Power Knee & Table, w/Sokking XY Digital Readout, 58" x 11" 3 Slot Table, Spindle Speed 60-4000 RPM
Bridgeport Series II Special, Vertical Milling Machine, S/N J28101822, 2HP Motor, 11" x 58" 3 Slot Table, w/ Power Table, Rapid Traverse, 4 Power Knee, w/ Sokki Mdl # DU-202 Digital XY Programmer & Readout, 60-4200 RPM
(4ea) Bridgeport Series I Vertical Milling Machines, 2HP, 48" x 9" 3 Slot Table, w/ Bridgeport Mdl 8F Table Drive w/ Rapid Traverse w/ Sokking XY Digital Readout, Spindle Speed 60-4200 RPM, 4" Riser Blocks
Bridgeport Series I Vertical Milling Machine 2HP Head, 9" x 48" 3 Slotted Table, Power Knee & Table w/ Accurite III Digital XY Readout

Bridgeport Series II Vertical Milling Machine S/N J267742-2, 2 HP Motor 11" x 58", 3 Slot Table, Spindle Speed 70-4200RPM
Bridgeport Series I Vertical Milling Machine, S/N J279480, 2Hp Motor, 9" x 48" 3 Slot Power Feed Table, w/ Rapid Traverse, Spindle Speed 70-4200RPM
Bridgeport Series II Special Vertical Milling Machine, 2HP Head, 11" x 58" 3 Slotted Table, 60-4200 RPM Spindle Speed, 6" Riser Block
Bridgeport Series I Vertical Milling Machine, 2HP Head, 42" x 9" 3 Slotted Table, 60-4200 RPM Spindle Speed,
Bridgeport Series I, Vertical Milling Machine, S/N J242118, 2HP Motor, 9" x 42" 3 Slot Table, Spindle Speed 60-4200RPM
Enco Vertical Milling Machine, 2 Hp Motor, 9" x 42" Power Table, Digital XY Readout

===== CNC TURNING CENTERS =====
Wasino Mdl LJ-103M CNC Turning Center, S/N 00Z, 3 Axis, Swing Over The Bed 17", 40" Between Centers Variable Speed Spindle 10-3500 RPM, X Axis Travel 9 1/2", Z Axis Travel 40 1/8", Rapid Traverse X Axis 315 IPM, Z Axis 394 IPM, C Axis 22.2 RPM, 12 Station Drum Turret, 6 Turning 6 Milling w/ FANUC Systems 10T-A Controls & Software
Cincinnati Milacron Hawk 200 CNC Turning Center S/N 7059-A00-98-0068 w/ Acramatic 2100 CNC Control Panel, 2 Axis x Axis Travel 245MM, Z Axis Travel 540MM, Spindle Speed 4500 RPM w/ Jurgensen Conveyor

===== WELDING & PLASMA SPRAY EQUIPMENT=====
Sciaky Robotic Fusion Weld System w/AcuWeld Machine # 11601 Robotic Unit: X Axis Stroke 44", Y Axis Stroke 18", Z Axis Stroke 36", ALL have the Same Speed: 100 IPM'S, 42" Table Tilt Angle 0-90 Degree, Rotation Speed 5 RPM w/XYCOM Computer Control Panel
Miller Syncrowave 350 Constant Current AC/DC Arc Welding Power Source w/Foot Control, 230/460 V Single Phase
Miller Mdl PSW-1020MT Resistance Spot Welder Power Supply & Spot Welder w/22" Throat
Sulzer Metco Mdl LCA Plasma Spray Gun Control Unit w/LCARE Electric Arc Power Supply, Mfg "00"
Tafa Mdl 30-8B25 Arc Spray Power Unit w/Mdl 8830 Spray Gun
Unitec Mdl 875 Dual Pulse Stored Energy Power Supply Mdl HFP Hand Piece
Diamond Ground Products Mdl 2V2 Tungsten Grinder 2 each Metco Plasma spray Units including Metco Type 6MR dual voltage flame power supplies, Metco Type 7ME heat exchangers, 2MC plasma flame control units w/Robotic arm & rotating Tapes

===== PNEUMATIC TEST CELLS =====
Pneumatic Test Cell #4 Engine Air Starter Test Cell: Includes Complete Control Panel and Pneumatic Starter Test Bench For All Pneumatic Starters Will Include All Piping, Cold and Hot Air Control Valves, Mixing Valves and Misc Tooling.
Pneumatic Test Cell # 5 Air Flow Valve Test Bench: For Testing Flow Valves, Regulators Valves and Temp Valves has High Pressure Capability Up To 2500 PSI, Max Air Flow Rate 280LBS Per Min, Bench Also has Vacuum Capabilities Will Include All Piping, Cold and Hot Air Control Valves and Various Valve Adapter Fixtures
Pneumatic Test Cell # 3 Complete Control Panel, Set Up With Air Bus A320 and 747-400 Air Cycle Machine Test Fixtures Will Include All Piping, Cold and Hot Air Control Valves, Mixing Valves and Misc Tooling
Pneumatic Test Cell #2 With Complete Control Panel. Set Up With Test Fixtures For DC-9 and 727 Air Cycle Machine and 727 Flow Multiplier Bench, P+W Engine Tobi Duet Test Fixtures Will Include All Piping, Cold and Hot Air Control Valves, Air Mixing Valves and Masc. Tooling.
Pneumatic Test Cell # 7 w/ Complete Control Panel Set Up With Test Fixtures For 747 Air Driven Pumps, DC-10 and 747 Air Cycle Machines and 747 Leading Edge Flap Drive and Thrust Reverser Actuators Will Include all Piping, Cold and Hot Air Control Valves, Air Mixing Valve and Misc. Tooling
747-400 ACM Tension Gauge Preload Fixture

=== SHEET METAL EQUIPMENT =====
Eckold Mdl KF-460 Sheet Metal Kraftformer Shrinker Stretcher, Electric, Mfg "90"
Chicago Mdl SB-612 6' Sheet Metal Brake
Pexto Mdl 152K Sheet Metal Shear, 52" 16 Gauge Soft Steel
Whitney Jensen Mdl 612 Sheet Metal Break 6'
Chicago Pneumatic Mdl 625 Compression Riveter, 36" Throat
US Tool Mdl 150 Compression Riveter, 12" Throat
Chicago Pneumatic Mdl T-8132 Compression Riveter
U.S. Tool Model 1001 English Wheel

===== DEGREASER LINE & CLEANING EQUIPMENT =====
Finishing Equipment Degreaser Cleaning Line w/Mdl 2AE-VS-SP Degreaser S/N 6261, Mdl AS-240 Still, S/N 6262 & ACC-25 Chiller System S/N 6263, 7'W x 35'D x 20' H, Steam Heat
8 Tank Cleaning Line 3'x3'x3' Stainless Steel Tanks.
Decarbonizes Stand
6' W X 6' D Stainless Steel Wash Rack W/ Jenny E-350-C Steam Pressure Washer
Solvent Spray Booth Various Sizes

Air Flow Systems Solvent Spray Stand
(20 ea) Stainless Steel & Poly Cleaning Degreasing & Alkaline Tanks; Various Sizes & Depths; Some Heated & Some w/Agitation & Air Lift Systems
Large Selection of Aluminum Cleaning & Dipping Baskets

===== EDM MACHINES =====
Xermac Mdl X-40 Electrical Discharge Machine, Work Tank 56" W x 32"D x 18" H, Table Size 21" x 41", Ram Travel 12", Platen up 10" x 16", Open Height 30" w/ HP120 Power Supplies & Pulscale Mdl CA, XYZ Digital Readout Controller
(2ea) Elox Mdl HRP-104 Electrical Discharge Machines, S/N 1456 & 1457 w/ Dual Control Panel Capable of Running 1, 2 or Both, Ram Travel 12", Open Height to Table Platen Up 22" Down 10"

===== GRINDERS =====
Overbeck Mdl 600I CNC Grinder S/N 66245-Mfg "88", 3 Axis, 4 Spindle, Z Axis: Grinding Table, Speed 400" per Minute, Grinding Stroke 23.62", Max Distance from Work Piece to Grinding Spindle 48.82", Grinding Slide X Axis: 400" per minute, Max Rapid Traverse Rate, 24.4", Rough Setting (Manual) Grinding Table, U Axis: Speed 393.70 per minute, Max Traverse Rate 5.91", w/ ANC CNC-M270 Control Head, Deep Bed Independent Filter System
Studer Mdl S30-1 Universal Cylindrical Grinding Machine, Mfg "98", Straight Plunge Grinder, Auto, Grinding Cycle w/ 2 In feeds, Hyd Controlled XY Axis, Swivel Range 0-90 Degree Work head, Speeds 60-600 RPM, Morse 5 Taper, Grinding Wheel Diameters 16" x 3 1/4" W x 5" Bore Wheel Slide Max 10.2" & Cyciotron Filter Bed
Studer Mdl S20-2 Universal Cylindrical Grinding Machines, Auto Grinding Cycles, XZ Axis Electrical Controlled, Swiveling Wheel head Table Swivels to 30 Degrees, Center Height 3.94" Center Distance 15.75"-25.6"
Studer Mdl RHU-1000 Cylindrical Grinding Machine, Center Heights 4.92"-6.89" Center Distance 40.35", Max Table Swivel 8 Degree, Work head Swivel 90 Degree, Work head Spindle Speed 30-675 RPM
Blohm Mdl Simplex 5 Surface Grinder, Max Grinding Length 20", Width 14" Travers Cross Table 12", Diameter Standard Grinding Wheel 12" Magnetic Chuck 12" x 18"
Harig Mdl 618 Hand Feed Surface Grinder S/N 6772-W w/ 6' x 18" Magnetic Chuck
Taisei Mdl GR1-2000 Internal Grinder S/N 475 Swing Over Table 39.4", Travel of Table 78.7", Diameter of Hole to Be Ground 1.97" to 27.6" Max Length of Hole To Be Ground 78.7", Swing Inside Chuck Guard 33.5" w/ 3ea Extra Grinding Heads
Brown & Sharpe No. 13 Universal & Tool Grinders Capacity: Center Swing 8" Diameter, 24" Length

Churchill Mdl 2A Internal Grinder, 14" x 30", Stroke Diameter 3", Max Center Height Over Table 18", Grinding Wheel Head Traverse, 24", 38" x 30" Table
Landis Type CH Universal Hydraulic Grinder S/N 699-6, 25" x 92"
Heald No. 74 Internal Grinder, S/N Z8382, 30" Swing, w/ Heald Redhead Type 149 G-4 Grinding Head
Norton 10" x 24" Universal Grinding Machine, w/ Various Fixtures
Norton 72" Universal Grinder

===== WHEEL & BRAKE SHOP =====
(2ea) BalTec Radial Riveting Machines, Mdl RNE-331 & 330 Riveting Press, 7260lbs, Riveting Time - .2 – 5.9 Seconds w/BalTec RC-20 Controller
(3ea) Baur Airmotive Universal Wheel Build Up Stands w/Cooper Mdl 670005-F-S Automatic Torque Controllers & Control Panels
Sancor Mdl 138-2000 Tire Bead Breaker w/Variou Fixtures
(3ea) Automatic Tire Inflation Cages
Shop Built Aircraft Brake Pressure Test Stand
Chicago Pneumatic Compressor Riveter w/ 24" Throat
Lempco Mdl 75-E2, 75 Ton Hydraulic H Frame Press
Lincoln Pneumatic Bumper Jack
Greenerd No5 S Arbor Press
Clausing Mdl 2286 Variable Speed Drill Press, 150- 2000 RPM
Blanchard Mdl NOS20D-36 Surface Grinding Machine, 38" Swing inside Water Guard, Vertical Height Range 12", Wheel Speed 750 RPM

===== ENGINE ARMS WATERJET SYSTEM =====

United Technologies Pratt & Whitney Engine ARMS Waterjet System, CNC Computer Controlled has FANUC S-420 Robot, Kavel Robot Controller, 60" Diameter Rotary Table w/120 Part Capability, 55-150 Jet Edge Ultra High Pressure Pump, Quick Change Tooling Fixture Stand, Water Maze Water Cleaning System w/Accuchiller (2ea) Aerology Media Filter Modules Enclosure is 12' W x 18" D
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===== OVERHEAD & JIB CRANES =====
Spanmaster 5 Ton Under Slung Overhead Crane, 36' Span w/2 Acco 2 Ton Electric Hoists
Acco 5 Ton Under Slung Overhead Crane, 33' Span w/2 Acco 2 Ton Electric Hoists
Spanmaster 5 Ton Under Slung Overhead Crane w/P&H 5 Ton & Yale 2 Ton Electric Hoists 36'
(2ea) Spanmaster 3 Ton Under Slung Overhead Cranes, 21' & 35' Spans w/P&H Hoists

(3ea) Spanmaster 2 Ton Under Slung Overhead Crane, Span 36' w/Acco & Electric Hoists
(2ea) Spanmaster 5 Ton Under Slung Overhead Crane, 36' Span w/2 P&H 2 Ton Electric Hoists
Acco 3 Ton Under Slung Overhead Crane, Span 36'
Spanmaster 2 Ton Under Slung Overhead Crane, 36' Span w/2ea Acco 1 Ton Electric Hoists
Spanmaster 2 Ton Under Slung Overhead Crane, 36' Span w/ Speedway Electric Hoists
(5ea) Spanmaster 2 Ton Under Slung Overhead Crane, 34' Spans w/Yale & Acco Electric Hoists
(2ea) Acco 2 Ton Under Slung Overhead Crane, 30' Span
Spanmaster 1 Ton Under Slung Overhead Crane, 36' Span w/Speedway Electric Hoists
Acco 1 Ton Under Slung Overhead Crane, 27' Span
(18ea) ½ Ton Free Standing Jib Cranes w/Budget & P&H Electric Hoists
(1ea) 1 Ton Free Standing Jib Crane w/Coffing Electric Hoists
Approx. 8 Acco & P&H ½ Ton Electric Chain Hoists on Single Rail System over Cleaning Tanks
Approx. 20 Overhead Electric Hoists Includes: Yale, P&H, Wright etc. ½ Ton – 5 Ton
Several New Overhead Crane & Hoists Trolley, Rails, control Boxes & Misc. Parts

==== BLASTING BOOTHS & EQUIPMENT==== (Will be Sold Thru-out Both Days 1 & 2)
Progressive Technologies CNC Robot Shot Peening Machine S/N 8316, Mfg “ 99”, Consisting of 4 Axis Gantry Style Robot & Indexing/Continuous Rotating Spindle Mounted on a Pneumatic Linear Axis for Loading & Unloading of Parts, 2 Stage Pressure Pot & Reclaimer. 40” Table w/Allen Bradley 9 Series CNC Control Panel
(2ea) Empire Mdl PF-2636 Blasting Cabinet w/ Reclaimer & Empire Mdl DCM-80A Dust Collector, Cabinet 36” W x 36” Deep x 30” Tall
Empire Mdl 2636 PR-4 Blasting Cabinet w/ Reclaimer S/N 8185, Cabinet Size 36” W x 26” Deep x 32” Tall, w/ Empire Mdl # DCM 80A Dust Collector
Hoffman Rail Car Type Blasting Booth, 10 ½ ' W x 11' H x 21' D w/ 4 each Outside Blasting Cabinets on Each Side, w/A-BEC Industries Media Pot & Hoffman Mdl DFT2-12 Filter System
Empire MDL EB-4848 Blasting Cabinet W/ Reclaimer 4' X 4' X 36' Cabinet S/N M-97558 and Empire MDL DCM-200 Filter System

(2ea) Empire Mdl PF-6060 Blasting Cabinet & Reclaimed, Cabinet Size: 60" W x 60" D x 55" H w/Rollout Rotating Table & Mdl DCM-200 A Filter System
Empire Mdl EB-3648 Blast Cabinet w/Reclaimer & Empire Mdl DCM-200 Filter System
Empire Mdl PF-4848 Bead Blast Cabinet, 48" W x 47" D x 36" H w/Rotating Table, Empire Reclaimer System & Mdl DCM Filter System
(2ea) Ruemlein No 41308 Blasting Booths, 10 x 10 x 14 w/2 each PMB Schmidt Media Pots & Hoffman Reclaimer System & Hoffman MDL HDFT2-12 Filter Systems
(2ea) Ruemelin Type D-6477 Blasting Cabinets, 60" x 60" w/Ruemelin Size 750 Reclaimer Pot & Filter System w/Rotating Tables
Ruemelin Blasting Booth Type D-6383-4, Size 6'x14'x8' w/Ruemelin Pot, Reclaimer & Filter
Zero Mdl Pulsar VI Bead Blast Cabinet, Mfg "01" Cabinet Size: 48" W x 38" D x 38" H w/Reclaimer
Zero Mdl Pulsar VI Abrasive Blast Cabinet w/ Dust Collector & Filter Mfg Afs 01, 50"W x 40" D x 43"T
Zero Mdl BNP65-600 Bead Blast Cabinet w/Filter System
MFI Mdl PSA-HZ Vibratory Cleaner, S/N 25142V, Mfg " 98"
(3ea) Vapor Blast Mdl 3030 & Mdl 4836 Liquid Honing Blast Cabinets

==== FURNACES & OVENS ===== (will be sold Thru-out Both Days 1 & 2)
Abar Mdl HR-66 Vacuum Furnace S/N HR-66-609: Temp 200 Lbs @ 2400 Degree F, Hot Zone Side: 48" W x 48" H x 60" L, Heating Element Material Molybdenum, Heat Shield Material: Molybdenum, Stainless Steel, Roughing Pump: Strokes 412-11, Diffusion Pump: NRC Mdl HS-20, Holding Pump: Welch 1380M, Automatic Pump Down & Temp Cycle, Digital DCP 7700 Programmer, Automatic Partial Pressure, Argon & Hydrogen Forced Gas Cooling, EC120 Water Recirculating System
Grieve MDL AF-650 Electric Oven Max Temp 650 Degrees f Inside Measurements 24" W X 42 " D 24 " T
(2ea) Grieve Mdl AB-650 Electric Heat Treatment Oven, Max Temp 650 Degree, Inside: 42" D x 36" W x 36 H w/ Digital Readout
Grieve Mdl BF-122412 Electric Oven, Max 2000 Degree F, Inside: 12" W x 27" D x 12" H
Johnston Gas Fired Single Chamber Recalculating Car Type Furnace, 6' W x 5' L x 4 H, Max Temp 2000 Degree F, Gas 4000 Total C.F.H. w/ Recalculating Fan & Combustion Blower, Honeywell Digital Temp Controllers & Recorder w/Hyd. Door Lift, S/N 1691
Johnston Electric Stationary Vertical Lift Type Furnace S/N 1692, 36" Diameter x 48" High, Max Operating Temp. 1800 Degree F w/Recalculating Fan & Honeywell Digital Temp Controllers

Despatch Electric Car Type Heat Treat Oven, 85"W x 120" D x 81" H, 560 Degree F Max Temp w/Recalculating Fan and Temp Chart Controller, Double Swing Out Doors
Despatch Protocol Plus Mdl LAC2-18-6 4800 Watt Electric Oven 500 Degree F, Digital Temp Control, Stainless Steel Packs 35" W x 24" D x 36" H S/N 170570
Despatch Mdl LDR2-28 4800 Watt, 550 Degree Electric Oven 3'x 3'x 3'
Despatch LOB Series Electric Oven, 750 Degree F Digital Temp Control, Stainless Steel Racks, 30" W x 18" D x 22" H
Despatch Mdl SPECRS Electric Oven S/N 47848, Max 650 F, 57"W x 64" Deep x 54" Tall
Despatch Type PRC2-96-1E Electric Oven, S/N160371-M, 500 Degree F Max Temp, Inside Measurement 4'W x 4'D x 6'H, w/Honeywell Digital Temp Controls & Chart Recorder
Despatch Mdl V-39HD Electric Oven Car Type, 650 Degree F, Inside Measurement 4'W x 4'6"D x 5'H w/Honeywell Digital Temp Controller & Chart Recorder
Electra MDL 242436 Electric Heat Treat Oven Max Temp, 1600 Degrees f, 48" D X 36" T X 48" W Pneumatic Door, Honey Well Chart Recorder
Johnston Gas Furnace 1200 Degrees F W/Re-circulating Fan and Digital Controllers, 24"X 24" X 24" Inside measurements.
Hotpack Mdl 213030 280 Degree C Oven 14"W x 14"D x 11" H
(2ea) L&L Hot Box XL Elect Heat Treat Furnaces Mdl TF3672 20" x 20" x 38" w Dual Digital Temp Control Indicators 1400 Degree F
Temco 2000 Degree F Elect Heat Treat Oven 10" W x 7" H x 18"D
Heat Treat Coatings Dip Tanks 22" W x 39"L x 24D
Despatch MDL RS-O Electric Oven 500 Degree F Inside Measurements, 24" W X 24" D X 36" T
Despatch S Series Electric Batch Oven, S/N 87165 Car Type, 650 Degree Max. Temp, Inside Dimensions: 8'W x 12'D x 9'H, Double Door on each end w/Honeywell Digital Temp Control Gauge & Chart Recorder
Despatch Mdl PWC3-10-1E Electric Car Type Oven, S/N 165639L, Max Temp 500 Degree F, w/ Digital Readouts & Recirculation Fans 80" W x 62" Deep x 79" Tall
Despatch RS-O Electric Oven, 450 Degree F Size 2'x 2' x 3'

==== MISC. SHOP EQUIPMENT ====
(Will Be Sold Thru-out Both Days 1 & 2)
Superior Mdl HM Horizontal Hone S/N 2200-B-174
Superior Mdl AM Horizontal Hone S/N 7002-1
Sunnen Mdl MBB-1290D Horizontal Hone S/N 15549
Superior Mdl VA Vertical Hone 6'2" Travel S/N 2800-A-105
Lempco Series 50E7, 50 Ton H Frame Press

Enerpac 25Ton Pedestal Hydraulic Press
Shop Built H Frame Press w/ Enerpac Hyd Pump
Branson Mdl DHA1000-6R Heated Ultrasonic Cleaner
Branson Mdl 85/0R-DTH Heated Ultrasonic Cleaner
Sunnen MDL LBD-1499 Horizontal Honing Machine.
(3ea) Lap Master 15 Lapping Machines W/ Lap Master Electronic Dispensers.
Ex-Cello 6" Tool Grinder
Delta Mdl MB ½ HP 6" Tool Grinder
Glendo Accu-Finish Series II 6" Tool Laper
Leonard Grind-R-Lap 5" Tool Grinder
(2ea) Cincinnati 1HP Pedestal Deburring Grinders
Black & Decker 8" Pedestal Grinder
Several Small Surface Plates and Lapping Stones.
Amerivacs 25" Vacuum Bag Sealer
8" Electric Cut-Off Saw
Walker-Turner Mdl 80A3 Electric Cut-Off Saw
Makita 14" Chop Saw
Safco Mdl SPL30 & SPD30 Etching System
Porter Cable Type G8 8" Wet-Dry Belt Sander
Reco Mdl BC Bearing Heater 7" Depth
DeWalt Commercial Radial Arm Saw
Woodworking Vertical Band Saw, 30" Throat
Schreiber Mdl 750AC Chiller Unit, S/N 4923, 7.5 Ton
(2ea) Ball Screw Test Stands for testing Thompson-Saginaw Ball Screw Assy

RACKS, SHELVING, BENCHES, CABINETS

(30+) 2 Door Fire Proof Cabinets
(800+) 2 Door Metal Cabinets
Very Large Selection of H.D. Pallet Racking, Several 1000 Ft.
(40+) Vidmar & Lista Tool & Parts Cabinets
Several Thousand Sections of 36" Wide Metal Shelving w/12", 18" & 24" Shelves
(900+) Metal Shop Benches 6', 8' & 10' w/Metal & Wood Tops
3 Tier Roll Round Parts Racks For Engine Shop
(75+) JT-8 & JT-9 Turbine & Compressor Wheel & Stator Parts
1500 Lb. Cap. H.D. Rolling Shelf Die Racks
Several Decks & Tables
(500+) 2 & 4 Drawer File Cabinets

MISCELLANEOUS

(45+) Dayton 32" & 36" Pedestal Fans
(35+) Dayton 48" Box Fans
Several Squirrel Cage Fans
Magnifying & Floresant Shop Lights
Fire Proof Rag Containers, Waste Baskets & Brooms, Spill containment Pallets, Air Hose, Extension Cords,
Hearing Protectors, Face Shields, Shop supplies, Microwave Ovens, Etc.

***Items Selling Thursday & Friday,
August 31st & September 1st, 2006
Will Be Coming Later***