

McNally Industries Equipment

Major Machines

EDM'S

Mitsubishi FX20 Wire EDM Machine
Hansvedt CS-2 Sinkers EDM (1997) with DRO
Charmilles Robofil 440cc Wire EDM

HORIZONTAL MILLING MACHINING CENTERS

Mazak HCN6000 50 taper Horizontal Machining Center 80 tool capacity Mazatrol Matrix control
Makino A51 Horizontal Machining Center 128 tool capacity Fanuc 16 control
Makino A51 Horizontal Machining Center 60 tool capacity Fanuc 16 control
2- Mori Seki SH-50 Horizontal Machining Center 40 Tool Capacity
Okuma and Howa 1 deg. Positioner Horizontal CNC Machining Center with (2) Pallets
Okuma and Howa 4 Axis Horizontal CNC Machining Centers with (2) Pallet Shuttle
Okuma and Howa 4 Axis Horizontal CNC Machining Centers with (2) Pallet Shuttle

VERTICAL MILLING MACHINING CENTERS

Kitamura Mycenter 4Xi vertical Milling Center (twin pallets and rotary table)
Okuma and Howa Millac 4 VA Vertical CNC Machining Center with 4 Axis Rotary Table
Fadal 4020 vertical Milling Center with CNC 88 Controller
Fadal 3016 vertical Milling Center with CNC 88 Controller
Fadal G&L 80/30 Vertical CNC Milling Center
Makino Vertical Machining Center 30 tool capacity Fanuc 0-M control
Hurco Hawk 30 vertical CNC Mill (no tool changer)
Kondia Vertical Mill with Proto Track Plus Control (no tool changer)

CNC LATHES

Mazak Nexus 250 MSY Quickturn Lathe with Y-axis milling.
Mazak 20 HP Quickturn Lathe
Mazak 30NT Quickturn Lathe
Mazak 28 quick Turn with 12" SMW Quick Change Chuck and T32 Controller
Mazak Quick Turn 10N CNC with Mazatrol Cam T2 Controller
Mazak Bar Attachment micro Turn CNC Turning Center 1 1/4" Bar Cap, 6" Chuck
Mazak Slant Turn CNC Turning Center 6" Chuck 6T Fanuc control

SURFACE GRINDING MACHINES

Thompson Surface Grinder
Okamoto Surface grinder 6 by 12
No. 22-42CK Blanchard Surface Grinder

OUTSIDE DIAMETER GRINDERS

2- Okamoto O.D. grinder 12 by 40
Landis Cyl Grinder - 6" x 18"
Van Norman 1-C Centerless, 6" x 18"

JIG BORER EQUIPMENT

DeVlieg Spiramatic Jig Mill Model 28-36. 2 1/2" Bar Preselect, 24 x 36 Travel
Moore No. 3 Jig Borer with Rotary Table

MILLING MACHINES (Main shop)

1 - Greaves No. 2 Milling Machine
1 - U.S. No. 1 Hand Mills

- 8 - Bridgeport Vertical Mills, (2) with Digital Readout
- 1 - Bridgeport Mill with Shaper Attachment
- 1 - Cincinnati No. 2 Vertical Mill
- 4 - Alliant vertical Mills with Digital Readouts

HONE AND LAPPING EQUIPMENT

- 1 - 12" Lapmaster Precision Lapper
- 1 - Speedfam Model 12-B Free Abrasive Machine
- 2 - Sunnen Honing Machines
- 1 - 24" Taft Pierce Rotary Lapping Machine

BORING & TURNING MACHINES

- 1 - Heald No. 121 Single End Boreomatics with hydraulic cross slide, air chucks
- 1 - Heald No. 0 Borematic
- 1 - No. 5 Warner & Swasey M-2250 Universal Hydraulic Turret Lathe
- 2 - Hardinge Chucking Machines with attachments
- 1 - Gisholt Lathe #3331-8

TOOL ROOM AND TOOL MAINTENANCE EQUIPMENT

- 1 - Hardinge Tool Room lathe
- 1 - Cincinnati Tool and Cutter Grinders
- 1 - Cincinnati Monoset Tool and Cutter grinder
- 1 - Harig Super 612 Surface Grinder
- 1 - 48" x 72" Surface Plate
- 1 - Bridgeport Vertical Mill with Acu-rite digital readout.
- 1 - LeBlond 17" Engine Lathe
- 1 - Optima optical Drill Grinding System
- 1 - DeVlieg Optical Tool Preset Machine
- 1 - Starret Surface plate 24 by 24
- 1 - Valley Pedestal Grinder
- 1 - Sterling Drill sharpener
- 1 - Dip Seal melting pot
- 1 - Dayton Pedestal grinder
- 1 - J&S radius Dresser
- 1 - KPT Daset tool Presetter
- 1 - Torit Dust collection System
- 1 - K.K. Calamar Lap Machine (tool lap)

INSPECTION EQUIPMENT

- 1 - Carl Zeiss MC550 Computerized Coordinate Measurement Machine 47"x22"x18"
- 1 - STARRETT Computerized Coordinate Measurement Machine 28"x28"x18"
- 16 - 24" x 36" Surface Plates
- 5 - 24" x 24" Surface Plates
- 4 - 18" x 24" Surface Plates
- 6 - 12" x 18" Surface Plates
- 12 - 9" x 12" Surface Plates
- 1 - 48" x 72" Surface plate
- 1 - Trimos digital height gage
- 1 - Pratt & Whitney super Micrometer
- 6 - Cadillac Pla-check Height Gages
- 5 - Sheffield - Fowler Dial Height Gages
- 1 - Mitutuyo Height gage 24" travel
- 6 - Assorted Bench Centers
- 1 - Browne and Sharpe Dial Height Gage
- 1 - Wilson Rockwell Hardness Tester

- 1 - Superficial Hardness Tester
- 1 - Portable Hardness Tester
- 3 - Sunnen Small Bore Gages
- 12 - Sunnen Diameter Bore Gages
- 2 - Federal Dimensionair Air Gages
- 1 - Pratt & Whitney Electro-Limit Super Micrometer
- 2 - Pratt & Whitney super Micrometers
- 7 - Mahr Bench Comparators
- 2 - Starret Master Height Gages
- 1 - Indi Square
- 2 - Profilometer
- 1 - Technicorp Alloy separator Model 850
- 2 - Sheffield Air Gages
- 8 - Federal Comparators
- 3 - Leitz Comparatrols
- 1 - Federal Formscan 3000
- 1 - 30" Optical Comparator with Quadra-Check 3000
- 4 - Bausch & Lomb Inspection Lamps
- 3 - Spencer Microscopes
- 1 - Van Keuren Light Wave Checker
- 5 - 5" Sine Bars
- 2 - 10" Sine Bars
- 6- Sets Webber Gage Blocks
- 1 - DoAll 5" x 12" Master Cylindrical Square
- 8 - Brown and Sharpe Height Gages
- 6 - Helios Height Gages
- 10- Simples Height Gages
- 7 - American Standard Height Gages
- 2 - Starrett Height Gages
- 1 - Bausch & Lomb 7-30 Power Zoom Scope
- 7 - Inside Bore Micrometers
- 4 - Federal Sheffield Air gage Equipment
- Federal Dial Bore Gages 1/16" to 8"
- Carbide Plug Gages & Ring Gears
- Complete Thread Gages - Plug & Ring
- Tubular Thread Micrometers - Complete Set
- 1 - Blade Micrometer Set 1" - 6"
- Complete Array of Hand Tools
- Complete Electrical Test Equipment
- 1 - Quest 2700 Sound Level Meter Decibel Detector

ASSEMBLY EQUIPMENT (INCLUDING PUMP ASSEMBLY)

- 2 - Marshalltown 1 1/2 Ton cam Presses
- 1 - Air Compressor
- 1 - Bridgeport Vertical Milling Machines
- 1- Okamoto Surface Grinder
- 2- Hardinge Chucker
- 1 - 25 ton KRW Hydraulic Arbor Press
- 3 - 3 1/3 Ton Famco Hand Arbor Press
- 1 - Hauser Burnishing Machine
- 1 - Air Powered Inserting Tool
- 1 - Electro-Punch Electric Punch Press
- 2 - Grant Rivet Spinners
- 1 - Model 900 Elden Coil Winder
- 1 - Bell "110A" Gauss meter

- 1 - Jewelers lathe
- 1 - Famco small hand arbor press
- 1 - Baltec Radial Riveting machine #27988
- 2 - Free standing pedestal drill presses
- 1 - Gorton Mastermill vertical milling machine
- 1 - Pilot valve test stand
- 1 - Flow analyzer test stand
- 1 - Belt Sander
- 1 - Bench Buffer
- 1 - Enerpac Press system
- 2 - Bench Grinders
- 1 - Metal Band Saw 4-1/2"
- 1 - Greenard Arbor Press
- 1 - Bench centers
- 1 - Custom Hydraulic Press
- 1 - 40 h.p. test stand
- 1 - 75 h.p test stand
- 1 - hydraulic lift
- 1 - Pallet Jack
- 3 - Powermatic Drill presses on one table
- Many hand tools

BURRING, WASHING, AND OTHER PART FINISHING EQUIPMENT

- 2 - Burr Bench Vibratory Finishers
- 1 - Vapor Blast Machine (liquid Hone)
- 1 - Gamm Sand Blaster
- 1 - Monode Electrolytic Marking Unit
- 3 - Electric Helicoil Inserters
- 1 - Sonicor Ultrasonic Parts Cleaner
- 1 - 1 HP Standard Buffing Machines
- 1 - Hotsy portable hot water power washer
- 1 - Ramco Parts Washer
- 1 - ADF parts washer
- 1 - Hardinge secondary operations Lathe
- 1 - Burr King deburring machine
- 1 - Digital Scale
- 1 - Demagnetizer
- 2 - Different Despatch ovens

DRILLING MACHINES

- 1 - Walker - Turner 20" Production Drill Presses (on one steel table)
- 2 - Powermatic stand alone drill presses
- 1 - Walker – Turner stand alone drill press
- 1 - DuMore Sensitive Drill Press

SAWS (MAIN SHOP)

- 1 - 24" DoAll Band Saw
- 1 - Amada Horizontal Band Saw
- 1 - 24" Grob Contour Saw
- 1 - 20" Johnson Cutoff Saw
- 1 - Delta band Saw

MISCELLANEOUS MACHINES AND EQUIPMENT

- 1 - 10" Zagar Vertical Broaching Machine
- 1 - Hand tapper

- 1 - Excello Center Lap
- 3 - Quincy Air Compressors #s 95041H, 98197H, & 98196H
- 1 - Liquid Paint Booth System
- 1 - Puffs coolant processing machine
- 1 - Torit mist control system
- 1 - Doughboy Heat Sealer
- 5 - Bench Grinders
- 3 - Delta Belt Sanders
- 1 - Dukane 12" x 12' Microfilm Reader
- 1 - 3M model 201 Microfilm Reader/Printer
- 1 - Bruning Blue Print Machine
- 1 - Vertrud Thermal Impulse Heat Sealing Machine

MATERIAL HANDLING EQUIPMENT

- 2 - Clark 2 Ton Lift Trucks
- 1 - Nissan Fork Truck
- 1 - Crown Electric lift model 20mp
- 2 - Jib Cranes
- 1 - Overhead Crane
- 1 - Bridge Crane
- 1 - Steel Storage Systems steel rack
- 1 - Die Cart
- 1 - Engine Hoist
- 3 - Pallet Jacks

WELDING EQUIPMENT

- 1 - Miller Shop Master 300 AC/DC Power Supply welder with wire feed
- 1 - Miller Invision 456p welder with wire feed
- 2 - Miller Syncrowave 250 welders
- 1 - Miller XR-W wire feed welder
- 3 - Miller XMT 304 welders with wire feed
- 3 - Oxygen & Act. Torch Sets
- 1 - Jib Crane
- 2 - Pedestal Drill Presses
- 1 - Crown Electric fork lift
- 1 - Beveling Machine
- 1 - Pallet Jack
- 1 - Wells Metal Band saw
- 2 - Belt Sanders
- 1 - Surface Plate 94 by 48 inches
- 1 - Pedestal Grinder
- 1 - Famco 3 Hand Arbor Press
- 1 - Bench Grinder
- 1 - 80 Ton Victor Hydraulic Arbor Press
- 2 - Bridgeport vertical milling machines one with digital readout
- 1 - Logan manual Engine Lathe
- 1 - Each Attachment for MIG/FCAW/SMAW/TIG
- 1 - Speedglas Automatic Darkening Welder Helmet
- 1 - Acorn Welding Platen 2'6" x 5'0" on Pivot stand
- 1 - Milwaukee 4 1/2" Grinder and face Shield
- 1 - Kit- Tempil Brand Temperature Measuring
- 1 - Exhaust/Fume Extraction System
- 2 - Maxtrom Manual Welder, 450 Miller Power Source with a 64M wire Feeder

- 1 - Miller Travel Master Side Beam welder with Maxtron 450 Miller Power Source and 64M Feeder
- 1 - Radyne Induction Braze machine

Dimensional Measurements

- Working Gage Block Sets
- Pratt & Whitney Model C Super micrometer
- Rahn Master square
- Master Set Ring Gages
- Set Thread Plug Gages
- Master Disc Gages
- Van Keuren Optical Flats
- Pre-Tec Model 3202 Analog Comparator

Hardness Measurements

- 10 Certified Test Blocks

Surface Textures Measurements

- Sheffield Reference Specimens
- Mitutoyo Reference Specimens

Pressure Measurements

- Ashcroft Deadweight tester 0 - 10,000 PSI
- Ashcroft Mercury Manometer 0 - 31 IN Hg
- 0 - 30 PSI Low Pressure Transfer Standard
- Mercury Barometer Standard

Mass and Force

- Class F Weights
- Class M2 Weights
- Torque wrench Test Stand 500 Ft. Lb Max
- Torque Sensor Test Stand
- Ohaus Balance

CAD/CAM SYSTEMS

- 3- Mastercam X Mill Level 3 licenses
- 1- Mastercam X Wire license
- 3- Solidworks 2006 licenses
- 5- Pro-E Wildfire 2.0 licenses
- 1- H.P. Plotter design jet 430
- 1- Calcomp Plotter
- 1- Houston Instrument DMP 60 plotter