

McELROY MANUFACTURING, INC. FULTON CAMPUS

Eight buildings on a 16.2-acre tract.
833 North Fulton
P.O. Box 580550
Tulsa, Oklahoma. 74158-0550
Fax: 918-831-9285
www.mcelroy.com

McELROY MANUFACTURING, INC. MARKETING & SALES DIVISION

826 North Fulton
Tulsa, Oklahoma 74115
Phone: 918-836-8611
Fax: 918-831-9256

McELROY MANUFACTURING, INC. ADMIRAL CAMPUS

One building on 8.45 acre tract.
5305 E Admiral PI Tulsa, OK 74115

McELROY MANUFACTURING, INC. INSIGHT ENGINEERING DIVISION

838 North Fulton
Tulsa, Oklahoma 74115
Phone: 918-831-9296
Fax: 918-831-9365
www.insight-engineering.com

MANUFACTURING FACILITIES

MANUFACTURING OFFICE BUILDINGS (FULTON CAMPUS):

16,754 Square Feet

MANUFACTURING SHOP BUILDINGS (FULTON CAMPUS):

72,068 Square Feet

- Insulated steel building (65' x 250') with 1 ton overhead crane way, two traveling bridges, and three 12' x 10' wide doors. 3, 750 sq. ft. (30' x 125') addition
- Insulated steel building (120' x 392') with 5 ton overhead crane way with four traveling bridges, 1 ton overhead crane way with two traveling bridges, two 10' x 12' doors, and two 12' x 16' doors. This building adjoins a railway spur.
- Steel building (30' x 150') with 10' x 10' doors.
- Insulated steel building (50' x 190') with 3-ton overhead crane with two traveling bridges.

MANUFACTURING OFFICE BUILDING (ADMIRAL CAMPUS):

7,500 Square Feet

MANUFACTURING SHOP BUILDING (ADMIRAL CAMPUS):

102,500 Square Feet

- Air Conditioned
- Sprinkled
- Security System
- Building Automation
- Bridgecrane 1 ton overhead traveling
- Bridgecrane with 2 each 3 ton overhead traveling
- Bridgecrane 2 ton overhead traveling
- 10' x 10' door with Fastdoor
- 12' x 14' door with Fastdoor
- 10' x 12' door
- Epoxy floor

PRODUCTION DEVELOPMENT FACILITY:

Office: 10,000 Square Feet Shop Area: 5,000 Square Feet

MARKETING & SALES DIVISION:

Office and Classroom: 2,291 Square Feet Shop Area: 8,843 Square Feet

TECHNICAL CENTER:

Office and Classroom: 3,533 Square Feet Shop and Demonstration Area: 4,366 Square Feet

CAD-CAM SYSTEM

Solidworks® on PC's. Protel DXP PCB CAD. Full 3D Wire Frame, Solids Modeling, FEA Analysis, IGES and DXF File Exchange Capabilities. Mazatrol and Esprit™ lathe & milling tool path software.

MMI NETWORK

Our network is supported by thirteen Windows Intel servers, two intel Linux Servers, and two IBM iSeries midrange servers with over 3.0 TB of storage. The Client side of the network is comprised of over 230 Windows desktops and notebooks and 100 printers supported by over 370 network nodes. Each user has access to: Internet, E-Mail, Microsoft Office Suite applications, network printing, engineering drawings, documentation, and ERP applications. Our main campus links each of nine buildings with buried fiber optic cable. All inner-office wiring is certified to category 5 or 6 cabling standards and currently provides either 100/1000 Megabits/second worth of bandwidth to each desktop. To provide fast response, security and scalability, the network uses TCP/IP as the sole protocol. Network traffic is optimized by utilizing a mix of fast-switching and routing. Each server is supported by at least one dedicated 1000-megabit/second-network connection. The company uses the Infor XA ERP application suite running on the IBM i5 model 9406-520 midrange system for its accounting and manufacturing systems. The IBM iSeries midrange server is protected by a duplicate iSeries midrange server located at the McElroy Admiral Campus. It uses high availability software for rapid recovery in the event of planned or unplanned service disruptions.

INSPECTION EQUIPMENT

- 1 ea. 72" x 72" Granite Surface Plate
- 2 ea. 48" x 72" Granite Surface Plate
- 1 ea. Faro Gauge
- 1 ea. 48" x 96" x 10" Granite Surface Plate (Mojave)
- 1 ea. 30" x 36" Granite Surface Plate (DoAll)-
- 1 ea. 36" x 48" Granite Surface Plate
- 2 ea. 18" x 24" Granite Plate
- 5 ea. Brown & Sharpe 36" Digital Micro-Hite
- 1 ea. Brown & Sharpe 24" Digital Micro-Hite
- 1 ea. Comparator, FC 200
- 1 ea. M1-AC Holiday Detector
- 1 ea. Hommel P-5 Profilometer
- 1 ea. Mitutoyo Surface Tester
- 1 ea. Hardness Tester (Rockwell)
- Full range of gauge blocks
- Outside micrometer 0 - 32"
- Inside - Outside caliper 0 - 80"
- Beach Centers 24" (K.O. Lee)
- Bore Gauges 1/2" - 12" Bore - Up to 48" Stems
- Height Gauges 12" - 24"
- Sine Plate 10" and 5"
- Angle Blocks to 9" x 9" x 16"
- "V" Blocks to 6" x 6" x 6"

LATHES

- 1 ea. Mazak Machining Center, E410HS
- 1 ea. Mazak CNC Machining Center, E650H
- 2 ea. Okuma LiveTool Captain + 6" Bar Feeders (L048, L049)
- 1 ea. L1420 w/ Large bore Spindle Option (Okuma)
- 1 ea. 36" x Vertical Turret Lathe (Bullard)
- 1 ea. 62" Vertical Turret Lathe (King)
- 1 ea. 17" x 34" (Moriseiki)
- 1 ea. 17" x 54" (Moriseiki)
- 1 ea. 17" x 48" Engine Lathe (Okuma)
- 2 ea. 19" x 78" w/ Tracer (LeBlond)
- 1 ea. 24" x 80" w/ Tracer (Mazak)
- 1 ea. 34" x 120" w/ Tracer (Mazak)
- 1 ea. 25" x 44", 30HP CNC Lathe, HL-5 (HAAS)
- 2 ea. 10" x 20", 20HP CNC Lathe, HL-2 (HAAS)
- 2 ea. 10" x 20", 20HP CNC Lathe, HL-1 (HAAS)
- 1 ea. Tool Room Lathe, TL-1 (HAAS)

MILLING MACHINES

- 1 ea. Daewoo ACE-DB-130C Machining Center, Fanuc
- 1 ea. Daewoo DHC 400 Horizontal Machining Center, Fanuc
- 1 ea. Toyoda FA800 Horizontal Machining Center, Fanuc
- 1 ea. Mazatech H-400 Horizontal Machining Center, Mazatrol M-32, 2 Pallet (Mazak)
- 1 ea. Mazatech Ultra 550 Horizontal Machining Center, Mazatrol M-32, 2 Pallet (Mazak)
- 1 ea. Enshu Dyna Tapping Center w/ Auto Pallet Changer
- 2 ea. 18 x 48" Table CNC Vertical Machining Center - (Haas) VF-3
- 1 ea. 42" Table with EZ Trak SX NC Control (Bridgeport)
- 6 ea. 42" Table with Digital Readout Equipment (Bridgeport)

- 6 ea. 42" Table (Bridgeport)
- 1 ea. 78" x 160" Table, 5 Fall CNC Machining Mitsubishi, (Balon Mill-ck 148048) s/nm- v2015
- 1 ea. Tracer Mill (Bridgeport)
- 1 ea. 4" Bar Horizontal Boring Machine w/ Digital Readout (Sigma)
- 1 ea. 5 - 1/8" Bar Horizontal Boring Machine w/ Commando Control (Sigma)
- 1 ea. No. 2B - 36 Jigmill (DeVlieg)
- 1 ea. Automatic Butt Plate Machine (Custom Machine)
- 1 ea. Mitsubishi Vertical Milling Center V70E
- 1 ea. Mitsubishi V-70, 2 Pallet
- 2 ea. Toyoda FH630S Horizontal Machining Center, Fanuc Control, 8 pallet RGV system
- 5 ea. HAAS Tool Room Mill TM-1
- 2 ea. HAAS EC-1600ZT Horizontal Machining Center Fully Integrated with Manipulator & Rotary Fixtures Tables For Material Handling
- 1 ea. Doosan HP5100 LPS High Precision Heavy Duty Horizontal Machining Center, Fanuc 31iA Control with an LPS500 12 Station Linear Pallet System (M079)

GRINDING EQUIPMENT

- 1 ea. Jones and Shipman O.D. - I.D. CNC Grinder w/ Conversational Control
- 2 ea. No. GUP 28 - 100 Universal Grinder (Toyoda)
40" centers, internal and external to 12" O.D., gauging to .00005
- 8 ea. No. B2060 Tool & Cutter Grinder (K.O. Lee)
- 1 ea. Crush Grinder # 109A (Scheffield)
- 1 ea. 42" Rotary Grinder (Blanchard)
- 1 ea. No. 510 Surface Grinder 6 x 12 (Brown & Sharpe)

GRINDING EQUIPMENT CONT.

Attachments to sharpen end mills, taps and milling cutters. Wheel dressers to form concave, convex and tangent forms in grinding wheels.

- 1 ea. H618 Surface Grinder 6 x 18 (Boyer-Shultz)
- 2 ea. Accugar 124 DX Surface Grinder (Okamoto)
- 1 ea. Select G-100 Universal Grinder Toyoda
- 1 ea. Surface Grinder 8 x 14 (Do All)
- 1 ea. Thread Grinder (Excello)
- 1 ea. No. 1 - EE Prosser Carbide Grinder
- 1 ea. Gun Drill Grinder Model C (Eldorado)
- 1 ea. Drill Pointer Model 21 (Oliver)
- 1 ea. Drill Pointer Model DV (Sterling)
- 1 ea. Semi-Auto Drill Grinding Machine (Rush)
- 1 ea. 3/4 HP Pedestal Grinder (Craftsman)
- 2 ea. 3/4 HP Pedestal Grinder (Black & Decker)
- 1 ea. 1/2 HP Pedestal Grinder w/ drill grinding attachment (Baldor)
- 1 ea. 3/4 HP Pedestal Grinder (Milwaukee)
- 1 ea. 3/4 HP Pedestal Grinder (Dayton)
- 1 ea. Okamoto 1236 O.D. Grinder (G045)

HONING EQUIPMENT

- 1 ea. Sunnen Honing Machine Model #MBB1650 - MS

DRILLS

- 1 ea. 4 Spindle Gang Drill 17" (Delta)
- 1 ea. Radial Drill (Cincinnati)
- 1 ea. 19" (Clausing)
- 1 ea. 15" (Rockwell)
- 1 ea. 15" (Emerson)
- 4 ea. 12" (Delta)

METAL FABRICATION EQUIPMENT

- 1 ea. Hydraulic Ram Bender (Richards)
- 1 ea. Ironworker (Peddinghaus)
- 1 ea. Model 418E Pexto Roll 223-3-82 Capacity: 18 Ga. (Roper Whitney Inc.)

PRESSES

- 1 ea. Model 6-850 150 Ton Hydraulic Press (Dake)
- 1 ea. No. 3R (Famco)
- 1 ea. No. 6C (Famco)
- 4 ea. Model 102 (Dake)

PIPE WORKING EQUIPMENT

- 1 ea. Pipe Threader Rigid

MARKING EQUIPMENT

- 1 ea. Dot Matrix Marking System, Model TMP 6000-213 (Telesis)
- 1 ea. Pinstamper, Matthews
- 1 ea. Xenotech laser marker
- 1 ea., Styliner Marking Machine
- 1 ea, Styliner Mark 3 Pin Stamper FPR GA01 (A792)
- 1 ea, Epilog Fiber Mark 50W Fiber Laser (A793)

SAWS

- 1 ea. Model C305 Horizontal Band Saw (Do All)
- 1 ea. 20" Contour Vertical Band Saw (Do All)
- 1 ea. 36" Vertical Band Saw Model 3612 - 2H (Do All)
- 1 ea. 12" x 22" Band Saw (Kalamzoo)
- 1 ea. Model 15A Horizontal Band Saw (Marvel)
- 1 ea. 12" Abrasive Cut-Off Saw (Jet)
- 1 ea. 16" Abrasive Cut-Off Saw (Jet)
- 1 ea. 10" Radial Arm Carpentry Saw (Dewalt)
- 1 ea. 10" Table Saw (Delta)
- 2 ea. Cold Saw-Cutoff

WELDING EQUIPMENT

- 3 ea. 355 Square Wave TIG (Lincoln)
- 3 ea. 300 IdealArc TIG (Lincoln)
- 1 ea. 330 A/BP TIG (Miller)
- 1 ea. VI-253 MIG (Linde)
- 3 ea. 250 TS MIG (Miller)
- 3 ea. 250 amp (Lincoln)
- 1 ea. Burning Machine Capacity: 6" thk.
- 3 ea. Oxygen-Acetylene Set
- 1 ea. Silver Solder Facilities
- 4 ea. 12" Disc/Belt Sanders (Powermatic)
- 1 ea. Torch, Pakmaster, 50XL
- 1 ea. Plasma Cutter, Thermal Dynamics
- 1 ea. Lincoln Robotic Weld cell – 2 station, 8 axis, 13 ft center axial stations.
- 1 ea. Powerwave 455 Mig welder. Equipped with Manipulator System for Material Handling

HEAT TREATING

- 1 ea. No. FA-2020P Electric Furnace (Thermolyne)
- 1 ea. No. B1000270 Electric Oven 100 - 1000 degrees F (Gruenberg)
- 1 ea. V-35 SD Electric Oven w/ Honeywell Controller (Despatch)
- 1 ea. Electric Oven 0 - 500 degrees F
- 1 ea. Oven, Electric

FINISHING EQUIPMENT

- 1 ea. No. 175 Hydraulic Marking Machine (Schmidt)
- 1 ea. Parts Washer Power Jet 50E (EMC)
- 1 ea. Zero Blast 72" x 72" x 67" Cabinet
- 1 ea. Zero Blast 50" x 40" x 41" Cabinet
- 1 ea. 20 ft. x 34 ft. Spray Painting Booth - Vented w/ overhead conveyor
- 1 ea. Electrostatic Spray System (Ransburg)
- 1 ea. Zero Blast, 30x40x40

FINISHING EQUIPMENT CONT.

- 1 ea. Zero Blast
- 1 ea. Ultra Matic Vibrator
- 1 ea. Coating Booth
- 1 ea. Royson vibratory finisher 8C
- 1 ea. Royson vibratory finisher 3C

HOSE / TUBING EQUIPMENT

- 1 ea. Tubing Saw w/ Auto Flare & O.D. - I.D. Deburr (Parker)

FACILITIES SUPPORT EQUIPMENT

- 1 ea. Rotary Screw Air Compressor - 125 HP (Ingersoll - Rand)
- 1 ea. Model 300L Screw Type Air Compressor - 75 HP (Ingersoll - Rand)
- 1 ea. Xybex System 1000 Coolant Recycling System
- 1 ea. Motorola People Finder In-House Pager System: w/ 75 Display Pagers, PBX Hookup, & 50 ft. Tower
- 1 ea. Raymond 4D Reach Truck
- 1 ea. 10,000 lb. capacity Fork Lift Truck (Clark)
- 1 ea. 3500 lb. capacity Fork Lift Truck, Upright Reach (Crown)
- 1 ea. Upright Fork Lift Truck (Yale) 3000 lb.
- 1 ea. Medley National Handling (Fork Truck - pallet Jack style)
- 1 ea. 5000 lb. Capacity Fork Lift Truck (Nissan)
- 1 ea. 3000 lb. Capacity Fork Lift Truck (Nissan)
- 1 ea. 3500 lb capacity fork lift truck (Toyota)
- 1 ea. 3000 lb capacity fork lift truck (Toyota)
- 2 ea. 3500lb capacity electric fork lift truck (Toyota)
- 2 ea. Compressor (Kaeser)
- 1 ea. Filtration System (Monlan)