



East Texas Machine Works

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FACILITIES EQUIPMENT LIST AS OF JAN 1, 2009

(45,000 Sq. Ft. Climate Controlled Shop w/20 Ton Crane Capacity)

CNC MACHINE TOOLS

BORING MILLS

- 1- G & L RT1600 6" Dia. Bar HBM Center (75HP)
Travels: X-142", Y-122", Z-98", Spindle 59" - 55k lb. Part Capacity
Table 63" x 98" Rotary 4th-axis
- 3- Kuraki KBT-13 DX.A 5" Dia. Bar HBM Center (40HP)
Travels: X-118", Y-92", Z-51", Spindle-27" (Spindle) - 26K lb. Max Load
Table 62" x 70" Rotary 4th-axis
- 4- Kuraki KBT-11Z 4.3" Bar HBM Center (40HP) Travels: X-98", Y-78", Z-35", W-19"
22K lb. Part Capacity, Table 55" Rotary 4th-axis
- 2- Kuraki KBM-11X 4.3" Dia. Bar HBM Center (30HP)
Travels: X-59", Y-47", Z-27", Spindle-14" - 10K lb. Part Capacity
Table 40" Rotary 4th-axis
- 3- Cogsdill ZX Contouring Heads available for use on any of the boring mills above

VTLs

- 1- O-M Omega 80M with Live Milling w/ATC-24 Tools Swing/Turn 80" OD x 65"
High (75HP) Mill/Drill (20HP) 22K lb. Part Capacity
- 1- O-M VT5-N 16 w/ATC-12 Tools Swing/Turn Ø 80" OD x 65"
Height (75HP) 22K lb. Part Capacity
- 1- O-M VT5-N 12 w/ATC-12 Tools - Swing/Turn Ø 65" OD x 50" Height
(50HP) - 17.6K lb. Part Capacity
- 1- O-M NEO10 w/12 Tools Swing/Turn 55" OD x 30"
Height (50HP) 4400# Part Capacity

LATHES

- 1- Karats Flatbed Universal (75HP)
Swing 60" OD (40" Over Crossslide) x 232" Centers - 22" Spindle Bore - 2 Chucks
Steady Rest from 7" to 32" Dia.
- 1- Mazak Slant 50 Universal (50HP)
Swing 30" x 80" Centers - 12½" Spindle Bore, with Steady Rest - 14¼" Ø
- 1- Mazak M-5 Universal (Flatbed w/Steady Rests)
Swing 24"/16" x 120" Centers (30HP)
- 1- Mazak M-5 Universal (Flatbed w/Steady Rests)
Swing 24"/16" x 80" Centers (30HP)
- 1- Mazak Quick Turn 35 Universal (40HP)
Swing 20"/16" x 60" Centers - 6¼" Spindle Bore
- 1- Mazak M-4 Universal (Flatbed w/Steady Rests)
Swing 22"/11" x 60" Centers (25HP)

HORIZONTAL MACHINING CENTERS

- 1- Machining Systems MS-200 (35HP)
4 Shuttle Pallet - 40" Square
Travels X = 120", Y = 56", Z = 50"
- 1- Mazak H-630 (30HP) - 2 Shuttle Pallets - 25" Square
Maximum Work piece 36" Ø x 38"H, Travels X = 40", Y = 32", Z = 30"

VERTICAL MACHINING CENTERS

- 1- Mazak V-655 Vertical Machining Center (30HP)
Work Area 25.6"H x 25.6"W x 88" Lg with 18" Chuck
- 1- Mazak V-550 Vertical Machining Center (35HP)
Work Area 22"H x 22"W x 68" Lg with 12" Chuck
- 1- Mazak VTC 200/50 Vertical Machining Center (20HP)
Work Area X-44", Y-20", Z-23" - 6,000 RPM

CAD / CAM

Geopath by Solutionware, fully integrated PC based CAD / CAM

Camlink by Griffio Brothers, Complete offline solution for Mazatrol

Edgecam by Pathtrace, Multi Plane Surfacing, CAD File Interfacing of AutoCAD DWG, DXF.

Viewers for over 200 types of drawing/graphic files.

MANUAL MACHINE TOOLS

VERTICAL TURRET LATHE

1- 54" Bullard Vertical Turret Lathe w/Two Heads (50HP And Swing Of 54" Ø and 45" High)

MANUAL MILLS

1- 5" #350 T G & L Horizontal Bar. Travel of 84"X x 87"Y x 60"Z with Outboard Supports, Digital Readouts and Facing Head

2- #3 Bridgeport Mill - With Servo Automatic Feed

MANUAL LATHES

1- 31"/25" x 260" Lg Sigma Lathe

1- 18" x 100" Mazak Lathe

1- 12" x 48" Henley Lathe

FABRICATION / WELDING FACILITIES

5- Mig Welding Machines

2- DC Welding Machines

2- Powered Welding Positioner

1- Fluke Surface Thermometer

INSPECTION EQUIPMENT

1- Starrett Grade A Pink Granite Inspection Table 4' x 8' x 1'

1- "Gagemaker" Gauging System

1- Optical Comparator - Mico View H-14

1- Set ID Micrometers to 150" Ø

1- Set OD Micrometers 1" to 48"

1- Sony-Cybershot Digital Camera

1- Lot Gages (In-House)

Vernier Calipers up to 60"

1- 24" to 108" Pi Tape

1- 18" Digital Depth Mic

1- Mitutoyo Profilometer

1- Granite Surface Plate 18" x 24"

Quality Control System Conforms To MIL-I-45208A Inspection System Requirements

OTHER MISCELLANEOUS SHOP EQUIPMENT

3- Drill Presses

1- 200 Ton Press

1- Horizontal Band Saw Auto Feed

1- 20 Ton Press (Mobile)

1- Vertical Band Saw

OUTSIDE LOCAL SERVICES

Heat Treating

Grinding, Honing, & Trepanning

Plating & Coatings

Sandblasting & Painting