

L.H. THOMSON COMPANY, INC. Equipment List

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MILLING AND MACHINING CENTERS

Horizontal Machining

- 3 MAKINO a51nx, 22 x 25.1" x 25.1", Full 4th Axis, 16" Pallets, Spindle RPM 14,000, 2362 IPM, 60 Tools
- 1 MAKINO A55E, 22" x 22" x 23.6", Full 4th Axis 5 Axis Index, Two 16" Pallets, Spindle RPM 14,000, 3300 IPM, 60 Tools
- 1 MAKINO a51-B, 22" x 22" x 23.6", 5 Axis, 16" Pallets, Spindle RPM 14,000 2360 IPM, 134 Tools
- 1 MAKINO a51-B, 22" x 22" x 23.6", Full 4th Axis, 16" Pallets, Spindle RPM 14,000, 2360 IPM, 134 Tools
- 1 MAKINO a51, 22" x 22" x 23.6", Full 4th Axis, 16" Pallets, Spindle RPM 12,000, 2000 IPM, 134 Tools

Vertical Machining

- 1 AKIRA-SEIKI SV2060, 81.1" x 33.5" x 32.1", 3-Axis, CAT 40 Taper, 14,000 RPM, 1420/1818 IPM, 36 Tools
- 1 OKUMA Genos M560Vw/P200M Cntrlr, 41.34" x 22.05" x 18.11", 3-Axis, 40 Taper Big Plus, 12,000 RPM, 1259 IPM in Z, 32 Tools
- 4 OKUMA Genos M560Vw/P300M Cntrlr, 41.34" x 22.05" x 18.11", 4-Axis, 40 Taper Big Plus, 15,000 RPM, 1259 IPM in Z, 32 Tools
- 1 OKUMA MA-550 VB, 51" x 22" x 22", 50 Taper High Torque, 6,000 RPM, 1574 IPM, Spindle (828 lb.-ft.), 32 Tools
- 2 FADAL 4020, 40" x 20" x 28", Full 4 Axis-5 Axis Ready, 30 Tools, 10,000 RPM, 22.5 HP Rigid Tapping, Coolant thru Spindle
- 1 FADAL 3016, 30" x 16" x 28", Full 4th Axis-5 Axis Ready, 21 Tools, 10,000 RPM, 22.5 HP, Rigid Tapping, Coolant thru Spindle

Milling

- 1 SWI CNC TOOL ROOM MILLING, 16" x 30", 10HP
- 1 KEARNEY & TRECKER MODEL 205-S12 VERTICAL, 7-1/2 HP, No. 50 Milling Machine Taper Tooling
- 4 BRIDGEPORT SERIES I, 2 HP, 12" x 36" Travel Table, 3 Axis Analam Digital Read-Out

MILL/TURN

- 2 OKUMA LB3000 E BIG BORE w/Bar feeder, Live Tooling all 12 Turret Stations and Y Axis, Sub-Spindle, 10" Chuck, 16.14" Swing, 4500 RPM
- 1 OKUMA CAPTAIN L-370BBMW w/Bar feeder, Live Tooling all 12 Turret Stations, Sub-Spindle, 10" Chuck, 20.80" Swing, 3,800 RPM

TURNING/LATHE

- 1 OKUMA L250E 8" Chuck, 12 Turret Stations, 8.26" Swing, 4500 RPM, Hydraulic Tail Stock
- 1 OKUMA LU3000 EX CNC, 10" Chuck, 22.83" Swing, Twin 12 Station Turrets, 5000 RPM
- 1 OKUMA LU3000 EX CNC, 8" Chuck, 22.83" Swing, Twin 12 Station Turrets, 5000 RPM
- 2 OKUMA LU15 CNC, 4-Axis, 8" Chuck, 20" Swing, 20 Tools, 4500 RPM
- 1 MAZAK ENGINE LATHE, 18" Swing, 100" Centers, 3-1/8" Hole thru Spindle, Two Axis, Analam Digital Read-Out
- 1 HARDINGE SPEED LATHE, 6" Chuck, 1-1/16" Bar
- 1 LOGAN TURRET LATHE, 1-1/2" Bar Capacity, 8" Chuck
- 1 WADE-SECOND OPERATION LATHE, 1-1/16" Bar Capacity
- 1 MONARCH EE TOOL ROOM LATHE, 10" Swing, 20" Centers
- 1 HARDINGE MLV TOOL ROOM LATHE, 10" Swing, 30" Centers

GEAR CUTTING

- 2 FELLOWS 7125S HIGH-SPEED GEAR SHAPER
Special High-Accuracy-6" O.D.P.D -5" I.D.P.D -1-1/2" Face Width
- 2 BARBER COLEMAN GEAR HOBBING MACHINE
Model No. 6-10, 3" Diameter x 4" Length. Crown Attachment On One

GRINDING

- 1 BROWN & SHARPE MODEL 818 SURFACE GRINDER
8" x 18" Table Travel, Power Feed 3 Axis, Over-The-Wheel Dresser, Electromagnetic Chuck

- 1 NORTON, 10" x 20" Universal O.D., I.D. Grinder
- 2 K.O. LEE MODEL B6062H UNIVERSAL O.D.-I.D. TOOL GRINDER
8" Swing, 24" Between Centers
- 1 HARIG-6 x 18 SURFACE GRINDER
- 1 SUNNEN HONING MACHINE MODEL MBC 1804E
- 1 BLANCHARD GRINDER MODEL 18-36
- 1 BURR KING MODEL 760 BELT SANDER
- 1 KALAMAZOO 6" BELT SANDER

BROACHING

- 1 COLONIAL 10 TON VERTICAL PULL DOWN, 54", Full Set of Retrievers and Shuttle Table-Set Up for Running One, Two or Three Stations
- 1 AMERICAN SIX TON VERTICAL TRI-WAY, 24", Vertical Pull Down, Vertical Push Down and Vertical Surface Broaching

DRILL PRESSES

- 11 DRILL PRESSES, 15"-34"

LASER MARKING

- 1 CONTROL MICRO SYSTEMS-100 WATT CO₂ LASER MARKING SYSTEM
with Galvo Mirror and 20" x 20" X-Y CNC Table

FORMING

- 1 PHOENIX 15 TON HYDRAULIC PRESS
- 1 PH 2-TON STROKE 12" HYDRAULIC PRESS
- 1 CHICAGO PNEUMATIC FLOOR MODEL # CP21803 RIVETER
- 1 CHICAGO PNEUMATIC C SQUEEZE RIVETER
- 1 TAUMEL MODEL BK-200NM ORBITAL HEADING MACHINE, 6,000 lb. cap.
- 1 DAKE 75-TON HYDRAULIC PRESS

SAWING AND MATERIAL HANDLING

- 1 COFFING HOIST-Ingersol Rand ¼ Ton Chain Hoist with Spanco Jib Crane
- 2 AMADA MODEL 250HW 10" CNC HORIZONTAL CUT-OFF SAW
- 1 DO-ALL MODEL #3612-2H 36" VERTICAL CONTOURING BAND SAW
with Power Table Feed
- 1 RAYMOND MODEL R30TT, 3000 lb Electric Forklift
- 1 CATERPILLAR 4,000 lb. Electric Forklift
- 1 TOYOTA 6,000 lb. Electric Forklift
- 1 KALAMAZOO VERTICAL 24" BAND SAW MODEL 24-V-1024
- 1 MARVEL SEMI-AUTOMATIC CUT-OFF HORIZONTAL 10" BAND SAW
- 1 5-TON OVERHEAD CRANE
- 1 GMC Savana G1500 Panel Van

MISCELLANEOUS

- 1 ROCKLINIZER MODEL 600
- 2 QUACKENBUSH DRILLS WITH MULTIPLE HEADS
- 1 INGERSOL-RAND SCREW AIR COMPRESSOR, 100 HP, 400 CFM @ 125 PSI
- 1 INGERSOL-RAND SCREW AIR COMPRESSOR, 60 HP, 248 CFM @ 125 PSI
- 1 LEROI SCREW AIR COMPRESSOR, 25 HP, 90 CFM @ 125 PSI
- 2 SAFETY KLEEN MULTIPURPOSE PARTS WASHERS
- 2 SAFETY KLEEN SOLVENT PARTS WASHERS

FINISHING

- 1 ALMCO MODEL VB-2048 VIBRATORY FINISHING MACHINE
- 1 ALMCO MODEL VB-1631 VIBRATORY FINISHING MACHINE
- 1 ALMCO MODEL OR-3 VIBRATORY BOWL FINISHER
- 1 ALMCO MODEL VB-1615 VIBRATORY FINISHING MACHINE with
MODEL ST-1 FILTRATION UNIT
- 1 BINKS PAINT SPRAY BOOTH, 10' x 10', Heated Make-Up Air

SPECIAL MACHINES

We have designed and built several special machines for our use in running high-volume and/or long-running parts. We build special machines as needed.

MEASURING AND INSPECTION EQUIPMENT

- 1 WENZEL XORBIT 9.20.7 CMM, Renishaw PH10M Indexable Probe Head, Renishaw TP20 Touch Trigger Probe, 35" x 79" x 28" Travel
- 2 SHEFFIELD DISCOVERY III CORDAX D-12 CMM, Renishaw PH10T Automatic Indexing Probe Heads, 20" x 36" x 16" Travel
- 1 COMPUTERIZED GAGE TRACKING SYSTEM
- 1 OGP TOP BENCH COMPARITOR, digital readout w/digital functions, 14" screen, 20x lens
- 1 JONES & LAMSON EPIC 30 OPTICAL COMPARATOR
30" screen-lenses to 50 to 1-30" between centers
- 1 PRATT & WHITNEY STANDARD MEASURING MACHINE
24" range with optics-accuracy to .000010
- 1 PRECISION GAGE-VARI-ROLL GEAR CHECKER MODEL G-2
- 26 GRANITE SURFACE PLATES
- 1 MAGNAFLUX MODEL H720R
16" coil-100" length-DC current reversing demag
- 2 WILSON ROCKWELL HARDNESS TESTER
Model #2003 TB Automatic Triway
- 1 RANK TAYLOR HOBSON PROFILOMETER
- 1 PRATT & WHITNEY BENCH MICROMETER (SUPER MIC), MODEL B,
Up to 10" Length Measurements, Digital Read-Outs On Head Stock
- 1 FEDERAL MODEL 136B-5 BENCH MOUNTED I.D.-O.D. COMPARATOR,
Size Comparison Accurate Within .000005
- 2 TRIMOS 24" Electronic Height Gages and Accessories
- 1 NIKON STEREO MICROSCOPE with Fiber Optic Circle Light
by Bausch and Lomb

MECHANICAL TESTING

- 1 ULTIMATE STRENGTH TESTING MACHINE
- 1 ULTIMATE STRENGTH TORQUE TESTING MACHINE
- 3 LIFE TEST MACHINE
- 1 IMPACT TEST MACHINE
- 12 TORQUE WRENCHES

ENGINEERING AND SHOP MANAGEMENT

- DELL ENTERPRISE CLASS SERVERS, dedicated Enterprise Resource Planning (ERP) System-GLOBAL SHOP SOLUTIONS
Secure Network Backups
Job Cost – Inventory – Purchasing – Accounting – Job Tracking – Estimating –Shop Floor Control – Cash Flow Monitoring – Requirements Scheduling/Planning – MRP
General Ledger – Payables – Receivables – Payroll – APS
- DELL ENGINEERING WORKSTATIONS
MasterCam X9 and 2017 CAM Software with Multi-axis Lathe and 5 Axis Milling Capability
Solidworks 2016-2017 CAD Software
Vericut 8.0 CNC Program Verification Software
Catia v.5-6 R2016 with Enovia Reader
Capvidia CompareVidia Model Comparison Software

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