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INSPECTION: The auction site will be open for inspection from 10:00 a.m. until 5:00 p.m. on November 14<sup>th</sup> and 15<sup>th</sup>. Bidders are strongly encouraged to attend. The owner will be available to demonstrate the machinery and answer questions. Location: 333 Byrne Avenue, Louisville KY 40209. Earlier inspection times may be available by appointment. Call (502) 523-4151 to schedule.

BUYER'S PREMIUM: A 15% Buyer's Premium will be added, before tax, to the highest bid to determine the final selling price of all items.

PAYMENT: Full payment in U.S. Dollars is due within 24 hours of the close of the auction. Acceptable forms of payment are CERTIFIED / CASHIER'S CHECK payable to Trittech Auctions Inc. or WIRE TRANSFER. The auctioneer does not accept payment by credit card. The auction company reserves the right to confirm payment prior to releasing items.

SALES TAX: Kentucky Sales Tax of 6% will be applied to all items. DEALERS purchasing for RESALE must provide a copy of their KY Sales And Use Tax Permit, or their states equivalent, along with complete and signed documentation, including proof that they are regularly engaged in the business of selling the type of items purchased, acceptable to the auction company no less than 24 hours prior to the close of the auction. Bidders with any questions concerning the application of sales tax should call (502) 523-4151 prior to bidding. The auction company may contact the Kentucky Department of Revenue to confirm the validity of any tax exemptions claimed by Buyer.

REMOVAL: Time is of the essence. The deadline for removal of all items is 4:00 p.m. November 23, 2011. The auction site will be open for removal from 9:00 a.m. until 4:00 p.m. on November 17<sup>th</sup>, 18<sup>th</sup>, 21<sup>st</sup>, 22<sup>nd</sup> and 23<sup>rd</sup>. Any items not removed according to terms will incur removal and storage fees.

No items may be removed until the entire auction is completed and payment has been made. All items must be removed in a workman like manner. Buyer is responsible for any damage to the property caused by Buyer or Buyer's agents.

Buyer is responsible for the safe removal and transportation of any oils or other fluids contained in the machines. Coolants have been removed from the machines by the owner, however, some residual amounts may remain.

The auctioneer does not provide any loading, moving, delivery or shipping services.

Buyer assumes all responsibility and risk for items they have purchased at time of sale and must provide their own labor for moving and loading or contract with an appropriate third party. Any persons operating powered equipment, forklifts, etc., must provide a certificate of insurance with minimum coverage of one million dollars naming Trittech Auctions Inc. and Harry Bloom as additional insured.

RIGGERS / SHIPPERS: The following companies have placed the required certificates of insurance on file and have been pre-approved to provide loading, rigging, delivery and shipping services at this auction:

Custom Hauling Machinery Movers (502) 930-1959 ask for Terry

Adkins Export Packing And Machinery Movers (502) 583-5551 ask for Donnie A.

Small items under 40 lb.: The business owner, Harry Bloom, is willing to ship small items weighing under 40 lb. for a charge of \$15.00 per lot plus actual shipping costs. (502) 636-5010

LOT #1 Engine Lathe, Monarch Series 60, s/n 39249, 18 1/2 in. swing, 78 in. between centers, 16 speed 24-1000 rpm, 15hp 240v 3ph, w/Newall DRO, Taper Attachment, Steady Rest, Follow Rest, Tail Stock, 10 in. 3-Jaw SetTru Chuck, Metric Change Gears, Micrometer Carriage Stop, Apron Mounted Lead Screw/Feed Reverse, w/machine manual & DRO manual

LOT #2 Engine Lathe, Monarch 16x54 C Series, s/n 18126, 18 1/2 in. swing, 54 in. between centers, 16 speed 27-1096 rpm, 7 1/2hp 240v 3ph, w/Newall DRO, Taper Attachment, Optional Geared Taper Attachment, Steady Rest, Follow Rest, Tail Stock, 10 in. 3-Jaw SetTru Chuck, Micrometer Carriage Stop, Apron Mounted Lead Screw/Feed Reverse, w/machine manual & DRO manual

LOT #3 Tool Makers Lathe, Monarch 10EE 10x30, s/n 45698, 12 1/2 in. swing, 30 in. between centers, Variable speed 0-4000 rpm, Back Gear, VFD Sensorless Vector Drive, 5hp 240v 3ph, w/Newall DRO, Taper Attachment, Steady Rest, Tail Stock, 5 in. 3-Jaw SetTru Chuck, Carriage Stop, 5C Hand Lever Collet Attachment, w/machine manual & DRO manual

LOT #4 Turret Lathe, Jones & Lamson No. 5, s/n 2090969, 2 1/2 in. bar capacity, hydraulic collet chuck & bar feed, 12 speed 30-1500 rpm, 15hp 240v 3ph, w/10 in. 3-Jaw Chuck, (37) Sets of Collet Pads - round hex & square, (2) Sets of Soft Collet Pads, Slide Tool, Roller Turner, Various other tooling, w/machine manual

LOT #5 Turret Lathe, Warner & Swasey No. 3, s/n 719781, 1 1/2 in. bar capacity, 12 speed 67-1480 rpm, 5hp 240v 3ph, w/8 in. 3-Jaw Chuck, 6 1/2 in. 3-Jaw Air Chuck, (44) Sets of Collet Pads - round hex & square, Roller Turners, Slide Tools, Rear Cut-off Tool Post, Various other tooling, w/machine manual

LOT #6 Lathe, Hardinge, Hand Lever Collet Chuck, 240v 3ph

LOT #7 Vertical Mill, Knee Type, Alliant 42VC, s/n 74045809, 60-4500 rpm, 9x42 in. table, 2hp 240v 3ph, w/Newall DRO, Mitutoyo Digital Scale on spindle, Rapid Traverse, R8 Spindle, w/DRO manual

LOT #8 Vertical Mill, Knee Type, Lagun FTV-4, s/n 25438, 62-4200 rpm, 11x58 in. table, 12 feed rates 1/2 - 22 11/16 in. per min., 4hp 240v 3ph, w/Newall DRO, Mitutoyo Digital Scale on spindle, Rapid Traverse, No. 40 Quick Change Spindle, w/machine manual & DRO manual

LOT #9 Vertical Mill, Kearney & Trecker No. 2 CH, s/n 72-8209, 16 speed 35-2100 rpm, 12x50 in. table, 4-Axis power feeds, 16 feed rates 1/2 - 64 in. per min., w/Newall DRO, Rapid Traverse, No. 50 Taper, w/DRO manual

LOT #10 Universal Horizontal Mill, Kearney & Trecker No. 2 CH, s/n 29-7169, 16 speed 25-1500 rpm, 12x50 in. table, 3-Axis power feeds, 16 feed rates 1/4 - 32 in. per min., 5hp 240v 3ph, w/Rapid Traverse, Arbor Support, Knee Brace, (2) Arbors - 1 in. & 1 1/4 in.

LOT #11 Horizontal Band Saw, Fully Automatic, Mega/Ramco RMS-10HAS, 10x8 in. capacity, 3hp 240v 3ph, w/Roller Conveyor 72 x 16 1/2 in., Extra Blades - (4) new & (2) used, w/machine manual

LOT #12 Vertical Band Saw, DoAll MetalMaster, s/n 4012259, 16 in., W/Blade Welder, Extra Blades - (3) new & (2) used, w/machine manual

LOT #13 Vertical Band Saw, Peerless LVC-14, s/n B36143, 14 in., tilt table, 240v 3ph, W/Blade Welder. Note: This item is from an additional consignor.

LOT #14 Radial Arm Drill, American Hole Wizard, 9 in. column, 48 in. arm, 12 in. spindle stroke, 12 speed 50-1500 rpm, 6 feed rates 0.004 - 0.018 in., 5hp 240v 3ph, w/Slotted Table, No. 4 Morris Taper Spindle, Jacobs 18N 1/8 - 3/4 in. Ball Bearing Chuck, Collis Quick Change Holder

LOT #15 Surface Grinder, Okamoto Linear 612, s/n 27930, 14 in. travel, 240v 3ph, w/Walker 6x12 magnetic chuck. Note: This item is from an additional consignor.

LOT #16 Surface Grinder, KO Lee S718HG, s/n 17745-HC, 2-Axis Hydraulic, 240v 3ph, w/Brown & Sharpe 6x18 fine pole magnetic chuck. Note: This unit is currently being manually operated. Possible hydraulic hose leak. Note: This item is from an additional consignor.

LOT #17 Surface Grinder, Brown & Sharpe No. 5, s/n 523-5-176, 8x24, 2-Axis Hydraulic Feeds, w/Brown & Sharpe Magnetic Chuck, (7) Extra Grinding Wheels, w/machine manual

LOT #18 Magnetic Chuck, Walker Interloc, 12x24. Note: This item is from an additional consignor.

LOT #19 Magnetic Chuck, Magna-Blok MB-1, 2 1/4 x 5 1/4

LOT #20 Magnetic Chuck Hold Downs, Magna-Blok

LOT #21 Carbide Grinder, Double Ended, Hammond 7-B, s/n 4982, 1/2hp 240v 3ph

LOT #22 Pedestal Grinder, Marathon Y5025, 10 in., 240v 3ph

LOT #23 Kearney & Trecker Slotting/Shaping Head w/spindle driver, 2 1/2 in. stroke - Fits 2H and 2CH

LOT #24 Arbor Press, Dake No. 1 1/2

LOT #25 Universal Dividing Head, Kearny & Trecker Model H, 10 in. w/6 in. 3-Jaw Chuck, Tail Stock, Steady Rest, Lead & Differential Indexing Gears, Differential Indexing Arm, Conventional Lead Attachment Gearbox, (7) Indexing Plates, Dog Driver, Center

LOT #26 Rotary Table, 12 in.

LOT #27 Surface Plate, AA Jansson, Black Granite, 24 x 36 in., w/Cart & Cover

LOT #28 Bench Plate, cast iron, 15x18

LOT #29 Hand Shear, Di-Acro No. 3, s/n EJ-3077, 12 in.

LOT #30 Machine Vise, Kurt D675 Anglock, 6 in. jaws, 7 5/8 in. opening

LOT #31 Machine Vise, Kurt D675 Anglock, 6 in. jaws, 7 5/8 in. opening

LOT #32 Machine Vise, Kurt D675 Anglock, 6 in. jaws, 7 5/8 in. opening

LOT #33 Machine Vise, Kearney & Trecker, Swivel Base, 6 5/16 in. jaws, 4 1/2 in. opening

LOT #34 Tool Makers Universal Vise, Brown & Sharpe No. 3, 6 in. jaws, 3 3/4 in. opening, 3-Axis tilt & swivel

LOT #35 Drill Press Vise, 2 1/2 in. jaws, 2 1/2 in. opening

LOT #36 Speed Indexer, Pneumatic, Erickson 400, s/n 3789, 4 6 8 12 & 24 Indexes

LOT #37 Horizontal / Vertical Spacer, Phase II, W/8 in. 3-Jaw Chuck, 2 3 4 6 & 12 Position Masking Plates, 24 Position master Index Plate

LOT #38 Tool Post, Dorian Quick Change Wedge Lock, Size CA

LOT #39 Tool Post, Dorian Quick Change Wedge Lock, Size CA

LOT #40 Tool Post, Aloris BXA

LOT #41 (2) Boring Bar holders, 1 1/4 in.

LOT #42 (6) Turning Tool Holders, Size CA

LOT #43 (6) Turning Tool Holders, Size CA

LOT #44 (6) Turning Tool Holders, Size CA

LOT #45 (5) Turning Tool Holders, Size CA

LOT #46 (1) Knurling & (1) Combination Turning/Boring Tool Holder

LOT #47 (8) Various BXA Turning Tool Holders

LOT #48 Cut-off Holder, Manchester 26115

LOT #49 (7) Insert Holders, 1 in. square shank

LOT #50 (4) Insert Holders, Various

LOT #51 Face Plate, D1-6 Mount, 14 1/2 in. dia.

LOT #52 Face Plate, D1-6 Mount, 17 in. dia. Note: Repaired. See Photo.

LOT #53 Face Plate, D1-3 Mount, 11 in. dia.

LOT #54 Dog Driver, D1-3 Mount, 5 in. dia.

LOT #55 4-Jaw Chuck, Skinner, D1-6 Mount, 15 in. dia.

LOT #56 3-Jaw Chuck, Skinner-Horton, D1-6 Mount, 12 in. dia.

LOT #57 4-Jaw Chuck, Pratt-Burnerd, D1-6 Mount, 12 in. dia. w/chuck wrench

LOT #58 (1) set Pie Jaws, (1) set Soft Jaws, (1) set Hard Jaws

LOT #59 Soft Jaws for 10 in. 3-Jaw Chuck

LOT #60 Soft Jaws for 10 in. 3-Jaw Chuck

LOT #61 Soft Jaws for 10 in. 3-Jaw Chuck

LOT #62 Soft Jaws for 10 in. 3-Jaw Chuck

LOT #63 Soft Jaws for 10 in. 3-Jaw Chuck

LOT #64 Soft Jaws for 10 in. 3-Jaw Chuck

LOT #65 Soft Jaws for 10 in. 3-Jaw Chuck

LOT #66 Soft Jaws for 10 in. 3-Jaw Chuck

LOT #67 Soft Jaws for 10 in. 3-Jaw Chuck

LOT #68 Soft Jaws for 10 in. 3-Jaw Chuck (unused)

LOT #69 Geometric Die Head, 1 1/4 in. Style D, 1 7/16 in. shank

LOT #70 Geometric Die Head, 3/4 in. Style D, 1 in. shank

LOT #71 Geometric Die Head, 3/4 in. Style D, 1 1/4 in. shank

LOT #72 Geometric Die Head, 1 1/4 in. Style D, 1 1/4 in. shank

LOT #73 Geometric Die Head, 1 1/4 in. Style D, 7/8 in. shank

LOT #74 (2) Geometric Die Heads, 9/16 in. Style D, 1 in. shank

LOT #75 Rubometric Die Head, 9/16 in. Style D, 5/8 in. shank

LOT #76 Chasers - 9/16 in.

LOT #77 Chasers - 3/4 in.

LOT #78 Chasers - mostly 1 in. w/some 1 1/4 in.

LOT #79 Live Center, No. 4 Morris Taper

LOT #80 Live Center, No. 4 Morris Taper

LOT #81 (2) Live Centers, No. 4 Morris Taper & (1) Dead Center

LOT #82 (9) Various Sleeves - No. 4 Morris Taper to No. 2 or No. 3 Morris Taper

LOT #83 (9) Various Sleeves - No. 4 Morris Taper to No. 1, No. 2 or No. 3 Morris Taper

LOT #84 No. 50 NS Taper - (1) Richmill 2 in. Collet Chuck, (1) 1 in. Extension Cutter Holder, (3) Shell Mill Holders, (1) 1 in. End Mill Holder, w/Rack

LOT #85 No. 50 NS Taper - (5) End Mill Holders - 1/2 in., 3/4 in., 7/8 in., 1 in., 2 in., w/Rack

LOT #86 No. 50 NS Taper - (5) End Mill Holders - 1/2 in., 5/8 in., 3/4 in., 1 in., 1 1/4 in., w/Rack

LOT #87 Erickson No. 40 Quick Switch Holders - (3) DA180 Collet Holders, (2) TG100 Collet Holders, (2) Shell Mill Holders, (44) DA180 Collets

LOT #88 R8 Spindle Tooling, Various, Holders & Collets

LOT #89 (2) Tapping Heads - Tapmatic 50X & Burgmaster 3000X

LOT #90 Clamping Set, 1/2 in.

LOT #91 T-Bolts, 3/4 in.

LOT #92 Chuck, Jacobs Ball Bearing 20N, No. 4 Morris Taper, 3/8 - 1 in.

LOT #93 Chuck, Jacobs Ball Bearing 18N, No. 4 Morris Taper, 1/8 - 3/4 in.

LOT #94 Chuck, Jacobs Ball Bearing 18N, No. 4 Morris Taper, 1/8 - 3/4 in.

LOT #95 Chuck, Jacobs Ball Bearing 14N, No. 4 Morris Taper, 0 - 1/2 in.

LOT #96 Chuck, Jacobs Ball Bearing 18N, 1 1/2 in. Straight Shank, 1/8 - 3/4 in.

LOT #97 Chuck, Jacobs Ball Bearing 18N, 1 1/2 in. Straight Shank, 1/8 - 3/4 in.

LOT #98 Chuck, Jacobs Ball Bearing 18N, 1 in. Straight Shank, 1/8 - 3/4 in.

LOT #99 Chuck, Jacobs Ball Bearing 14N, 1 in. Straight Shank, 0 - 1/2 in.

LOT #100 Boring Head, Criterion DBL-204, 1 3/4 in. Straight Shank, 1 in. Boring Bar Holes

LOT #101 (2) Boring Heads - Criterion CB1.5-TP & CB2-TP, 1 in. Shank

LOT #102 Boring Head, Criterion CRI-TWIN 280-1 w/Criterion CB2-1A2 Intermediate Adapter

LOT #103 Height Gage, Ralmike, 18 in.

LOT #104 Machinists Square, Brown & Sharpe 541 w/case

LOT #105 Air Compressor, Speedaire 1Z7H6, 2 stage, 10hp 240v 3ph, 80 gal. horizontal tank

LOT #106 Forklift, Caterpillar V50D, LP, Pneumatic, 2 stage mast w/side shift, 5000 lb. cap., Note: Needs front drive tires. LP tank not included.

LOT #107 Forklift, Stand-Up Rider, Namco 2015, LP, 2 stage mast, 2000 lb. cap.