

**AUCTION BROCHURE**

**DAY 1: MAGNUM PRECISION INSTRUMENTS**

Wednesday, September 16 9:00AM

**DAY 2: SHAMROCK PRECISION OPERATIONS INC.**

Thursday, September 17 9:00AM

**Category Breakdown per Day**

**DAY 1: MAGNUM PRECISION INSTRUMENTS**

CNC HORIZONTAL BORING MILLS

CNC ROTARY TABLES

HORIZONTAL MACHINING CENTERS

VERTICAL MACHINING CENTERS

MACHINING CENTER TOOLING

TOOL PRESETTERS

CNC VERTICAL TURRET MILLING MACHINES

CNC MULTI-AXIS TURNING CENTER

CNC LATHES

CNC HOLLOW SPINDLE FLAT BED LATHES

CNC PROGRAMMING WORKSTATIONS

HOLLOW SPINDLE LATHES

GAP BED ENGINE LATHES

VERTICAL TURRET MILLING MACHINES

EDM DRILLING MACHINE

BANDSAWS

GRINDERS

ROLLING FRAME HYDRAULIC STRAIGHTENING PRESSES

QUALITY CONTROL LABORATORY

MISCELLANEOUS MACHINE SHOP EQUIPMENT AND ACCESSORIES

MARKING MACHINES

DOWNDRAFT SANDING BENCHES

LARGE COMPONENT WASH SYSTEM

EXPENDABLE TOOLING

FREE STANDING CRANE SYSTEMS

FREE STANDING PEDESTAL JIB CRANES

MATERIAL HANDLING EQUIPMENT

COMPRESSED AIR SYSTEMS

PICKUP TRUCK

FLATBED TRUCKS

FORKLIFTS

OFFICE FURNITURE AND EQUIPMENT

## **DAY 2: SHAMROCK PRECISION OPERATIONS INC.**

[6-AXIS VERTICAL MACHINING CENTER](#)  
[4-AXIS CNC VERTICAL MACHINING CENTERS](#)  
[5-AXIS HORIZONTAL MACHINING CENTER](#)  
[4-AXIS CNC HORIZONTAL MACHINING CENTERS](#)  
[CNC MILL/TURN MACHINES](#)  
[CNC LATHES](#)  
[CNC WIRE EDM MACHINES](#)  
[WIRE EDM ROTARY TABLE](#)  
[CNC RAM TYPE EDM MACHINES](#)  
[EDM DRILL](#)  
[CNC PROGRAMMING SYSTEM](#)  
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[GAP BED ENGINE LATHES](#)  
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[PICKUP TRUCK](#)

## **DAY 1: MAGNUM PRECISION INSTRUMENTS**

### **CNC HORIZONTAL BORING MILLS**

**KURAKI MDL. KBT-11WA 6-AXIS**, new 8/2012, Fanuc Series 31i-Model A CNC control, 4.33" spdl. dia., speeds: 5-3000 RPM, CAT-50 taper, 56" x 62.99" rotary table, 14,300 lb. table load, .001 deg. indexing, 78.74" X, 59.056" Y, 57.08" Z, 19.68" W-axis travels, 0 to 59.08" dist. table top to spdl. center, 21.65" to 78.74" dist. table center to spdl. nose, 22/18.5 KW spdl. motor, 4.2 KW W-axis drive motor, 120 pos. ATC, chip conveyor, wired & plumbed for 5<sup>th</sup> axis, S/N 4465 [Photo 1](#) | [Photo 2](#) | [Video](#)

**KURAKI MDL. KBT11Z 6-AXIS**, new 2005, Fanuc 16i-MB CNC control, 4.33" dia. spdl., speeds: 5-3000 RPM, CAT-50 taper, 55.11" x 68.89" table, 16,500 lb. table load, .001 deg. indexing, 98.42" X, 70.86" Y, 47.24" Z-axis, 19.68" W-axis travels, 0 to 70.86" top of table to spdl. center, 23.62" to 78.86" center

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of table to spdl. face, 22/18.5 KW spdl. drive motor, 120 pos. ATC, wired & plumbed for 5<sup>th</sup> axis, S/N 3522 [Photo 1](#) | [Photo 2](#) | [Video](#)

**KURAKI MDL. KBT-11WA 6-AXIS**, new 11/2001, Fanuc 16i-M CNC control, 4.33" spdl. dia., speeds: 5-3000 RPM, CAT-50 taper, 55.11" x 62.99" rotary table, 14,300 lb. table load, .001 deg. indexing, 78.74" X, 59.06" Y, 57.08" Z, 19.68" W-axis travels, 120 pos. ATC, 22/18.5 KW spdl. motor, wired & plumbed for 5<sup>th</sup> axis, S/N 4292 [Photo 1](#) | [Photo 2](#) | [Video](#)

**FEMCO MDL. WBMC-11CR2 5-AXIS**, new 1998, Fanuc 18M CNC control, 4.33" spdl., speeds 1000 RPM, CAT-50 taper, bolt-on spdl. extension, 56-3/4" x 63" rotary table, 8,818 lb. table load, .001 deg. Indexing, 78.74" X, 70.86" Y, 67" Z, 27.5" W-axis travels, 60 pos. ATC, 25 HP, S/N B785415 [Photo 1](#) | [Photo 2](#)

## CNC ROTARY TABLES

**NIKKEN MDL. CNCB450FA**, new 2005, 17-1/2" dia. Platen, 8" dia. thru hole, S/N 1011

**NIKKEN MDL. 1150**, new 2012, 16" dia. table, 7-1/2" through hole, Adjust-Tru 19-1/2" 6-jaw chuck, tailstock

**TSUDAKOMA MDL RB400L**, 16" dia. table, 5-1/2" through hole, Adjust-Tru 16" 6-jaw, tailstock, S/N 041129 [Photo 1](#)

## HORIZONTAL MACHINING CENTERS

**(4) DAH LIH MDL. HC2000 4-AXIS**, new 2012, Fanuc Series 0i-MD CNC control, 38.2" x 90.6" table, 15,148 lb. table load, 78.7" X, 39.4" Y & 39.4" Z-axis travels, 15" to 54.3" spdl. end to table center, 5.9" to 45.3" spdl. center to table surface, CAT-50 taper, 4500 RPM, 25 HP, 120 pos. ATC. Tsudakoma Mdl. RTV-404CA rotary table, approx. 7.5" spdl. thru hole, S/N 3004010043 (2012), S/N 3004010042 (2012), S/N 3004010040 (2012), S/N 3004010041 (2012). [Photo 1](#) | [Photo 2](#) | [Video 1](#) | [Video 2](#) | [Video 3](#)

**DAH LIH MDL. HC2000 4-AXIS**, new 2000, Fanuc 18M CNC control, table 38.2" x 90.6", 15,148 lb. table load, 78.7 X, 39.4 Y, 39.4 Z-axis, CAT-50 taper, 3,500 RPM, 25 HP spdl. drive motor. 60 pos. ATC, Tsudakoma Mdl. RTV404 CNC hollow spdl. rotary table & tailstock S/N 20000013

**KITAMURA MDL. HX500i 4-AXIS**, new 2006, Fanuc 16i-MB CNC control, 19.7" sq. pallets, .001 deg. indexing, 1,760 lb. table, 34.25" X, 27.95" Y, 25.98" Z-axis travels, CAT-50 taper, spds: 40-12,000 RPM, 26 KW spdl. drive motor, 50 pos. ATC, hp thru spdl. coolant system, S/N 43333 [Photo 1](#)

**KITAMURA "MYCENTER-H500" 4-AXIS**, new 2001, Fanuc Series 15M

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CNC control, 19.7" sq. pallets, .001 deg. table indexing, 1,760 lb. max. table load cap., 31.5" X, 24" Y & 24" Z-axis travels, CAT-50 taper, 5,000 RPM, 18.5/15 KW, 50 pos. ATC, Chip blaster HP thru spdl. coolant, chip conveyor, S/N 43100 [Photo 1](#)

## **VERTICAL MACHINING CENTERS**

### [DMF Linear Series Brochure](#)

**(2) DECKEL MAHO "DMF-500 LINEAR" 5-AXIS TRAVELING COLUMN**, new 2012, Siemens 840D "Powerline" CNC control, 220.9" x 35.4" table, 11,000 lb. table load, 196.85" X, 36.22" Y, 32.28" Z-axis travels, 3937 IPM X-axis rapid, SK-50 taper, 10,000 RPM +/- 90 deg. 1 deg. indexing spdl., 32 kW, 80 pos. ATC., MMK Mdl. MD63UR-80 rotary table w/10-1/2" spdl. hole, 24" dia. thru hole 4-jaw chuck w/tailstock, HP thru-spdl. Coolant, coolant filtration system, chip conveyor, touch probe, S/N 15115010714 (2012). S/N 15155010724 (2012). [Sample Quotation](#) | [Photo 1](#) | [Photo 2](#) | [Video 1](#) | [Video 2](#)

**(3) DECKEL MAHO "DMF-360" 5-AXIS TRAVELING COLUMN**, new 2011, Siemens 840D Ergoline CNC control, 165.35" x 35.43" table, 11,000 lb. table load, 141.73" X, 36.22" Y, 32.28" Z-axis, 3937 IPM X-axis rapid, SK-50 taper, spds: 20-10,000 RPM +/- 90 deg. "B" axis tilt spdl., 32/48 KW, 120 pos. ATC, MMK Mdl. MD63UR-80 rotary table w/10-1/2" spdl. hole, 24" dia. thru hole 4-jaw chuck w/tailstock, HP thru-spdl. Coolant, coolant filtration system, chip conveyor, touch probe, S/N 15195362594 (2011), S/N 1595362644 (2011), S/N 15195362554 (2011). [Sample Quotation](#) | [Photo 1](#) | [Photo 2](#) | [Photo 3](#) | [Video 1](#) | [Video 2](#) | [Video 3](#)

**(3) DECKEL MAHO "DMF-360 LINEAR" 5-AXIS TRAVELING COLUMN**, as new as 2008, Siemens 840D "Powerline" CNC control, 165.35" x 35.43" table, 11,000 lb. table load, 141.73" X, 36.22" Y, 35.43" Z-axis, 3937 IPM X-axis rapid, SK-50 taper, 10,000 RPM +/- 90 deg. 1 deg. indexing spdl., 32/48 KW, 80 pos. ATC, , MMK Mdl. MD63UR-49 rotary table w/12-1/2" spdl. hole, 24" dia. thru hole 4-jaw chuck w/tailstock, HP thru-spdl. coolant, Interlit Mdl. SUK200-900 coolant filtration system, chip conveyor, touch probe, S/N 15145360924 (2005), S/N 15145360444 (2004), S/N 15145361574 (2008) [Photo 1](#) | [Photo 2](#) | [Video 1](#)

**(2) DECKEL MAHO "DMF-250 LINEAR" 5-AXIS TRAVELING COLUMN**, new 2009 & 2006, Siemens 840D "Powerline" CNC control, 35.43" x 122.04" table, 6,820 lbs. table load, 98.42" X, 36.22" Y & 32.28" Z-axis travels, SK-50 taper, 10,000 RPM +/- 90 deg. 1 deg. indexing spdl., 80 pos. rack style ATC, MMK Mdl. MD400R-107 4<sup>th</sup> axis 16" dia. rotary table w/6" dia. thru hole, Adjust-Tru 16" 6-jaw chuck, steadyrest, tailstock, HP thru-spdl. Coolant, coolant filtration system, touch probe, S/N 15125250974 (2006), S/N 15125252144 (2009) [Photo 1](#) | [Photo 2](#) | [Video 1](#) | [Video 2](#)

**KITAMURA "BRIDGE CENTER 8" 4-AXIS BRIDGE TYPE**, Fanuc 15M CNC control, new 2000, 35.5" x 98.5" table, 6,600 lb. table load, 80" X, 42.7" Y &

28" Z-axis travels, 9.9" to 37.9" dist. from table surface to spdl. Nose, CAT-50 taper, spds: 30-3500 RPM, 22/18.5 KW spdl. drive motor, 26" sw. rotary 4<sup>th</sup> axis w/6-jaw chuck & tailstock, 5-1/2" thru hole, 80 pos. ATC, S/N 55139  
[Photo 1](#)

**(9) DAH LIH MDL. DL-MCV1500 4-AXIS**, as new as 2006, 26.8" x 67" table, 3,300 lb. table load, 19" X, 25" Y & 27.6" Z-axis travels, CAT-50 taper, spds: 35-3500 RPM, 15 HP, 24 pos. ATC, S/N 15000844 (2002), S/N 15000804 (2001), S/N 15000808 (2001), S/N 15000789 (2000) & S/N 15000845 (2002) w/Fanuc 18M CNC control & Tsudakoma Mdl. RB-250R 4<sup>th</sup> axis rotary table w/tailstock, S/N 3001060038/6000RPM (2005), S/N 3001060037/6000RPM (2005), S/N 3001060051/4500RPM (2006) & S/N 3001060052/4500RPM (2006) w/Fanuc 21iMB CNC control, Tsudakoma Mdl. RNCB-4022R 4<sup>th</sup> axis rotary table w/6" thru hole & tailstock [Photo 1](#) | [Photo 2](#) | [Photo 3](#)

**DAH LIH MDL. DL-MCV1350 4-AXIS**, new 1994, Fanuc 15M CNC control, 26.8" x 67" table, 3,300 lb. table load, 53" X-axis, 25" Y-axis & 27.6" X-axis travels, CAT-50 taper, spds: 35-3500 RPM, 15 HP, 24 pos. ATC, Tsudakoma Mdl. RNCB-252R 4<sup>th</sup> axis rotary table w/tailstock, S/N 1350321

**DAH LIH MDL. DL-MCV1020 4-AXIS**, new 1997, Fanuc 0M CNC control, 26" x 49.2" table, 2,200 lb. table load, 40" X, 21.65" Y & 22" Z-axis travels, CAT-50 taper, spds: 35-3500 RPM, 20 pos. ATC, 15 HP, Tsudakoma Mdl. RNCB-252R 4<sup>th</sup> axis rotary table w/Adjust-Tru 3-jaw chuck & tailstock, S/N 10201244

**MORI SEIKI MDL. MV-JR**, Fanuc 10M CNC control, Haas HRT rotary indexer w/programming box, CAT-40 spdl. taper, 20 pos. ATC, S/N 2923

**FEMCO MDL. FV60**, partial retrofit of Gunt Mdl. 150IM-11A CNC control, 4-way bed, 30 pos. ATC, CAT-50 spdl. taper, S/N 019036

## **MACHINING CENTER TOOLING**

**1,000's of CAT-50 TAPER TOOLHOLDERS** by Command, Nikken, Parlec, Lyndex & Universal (on 60 tool sorted racks), including extended length milling holders, drill holders, collet holders, right-angle heads, and much, much more. [Photo 1](#) | [Photo 2](#)

## **TOOL PRESETTERS**

**(3) DMG MDL. EC0210 MICROSET**, new 2008 & 2006, LCD screen, cabinet base, assorted sleeves & adapters, S/N 99510006008 (2006), S/N 99510011698 (2008), S/N 99510011898 (2008)

**DMG MDL. V210 MICROSET**, new 2009, PC control, S/N 99510015818  
[Photo 1](#)

**(2) PARLEC SERIES 975**, LCD screen, computer, printer, S/N 812892-1003, S/N N/A

## **CNC VERTICAL TURRET MILLING MACHINES**

**(2) REPUBLIC LAGUN MDL. MILLMATIC-II DELUXE 3L**, Accu-Rite Mill-PWR 2-axis CNC control, 11" x 59" table, pwr. feed to knee, D.R.O. to Z-axis, pwr. drawbar, hardened & ground ways, 5 HP spdl. drive motor, 8" riser block, flood coolant system, S/N 48696 w/Yuasa Mdl. UDX22001 12" sw. programmable indexer w/tailstock & 8" riser block, S/N 48366 w/right angle milling attach. [Photo 1](#)

**(5) PROTOTRAK MDL. K3SX**, Prototrak SMX 2-axis CNC control, 10" x 50" table, 32" X, 16" Y & 16" Z-axis travels, 5" quill travel, 850 lbs. max. weight, spds: 60-4200 RPM, pwr. vert. knee, pwr. drawbar, 3 HP spdl. drive motor, 4" riser block, mist coolant system, S/N 084CK62166, S/N 084CK62170 & S/N 084CK62178 w/Yuasa 12" programmable indexer w/program unit & tailstock, S/N 084CK62181, S/N 084CK62210 [Photo 1](#) [Photo 2](#)

## **CNC MULTI-AXIS TURNING CENTER**

**GILDEMEISTER "GMX250 LINEAR"**, new 2005, Siemens 840D Powerline control, twin opposed spdl. design, Y-axis milling feature, 25.1" max. main spdl. turning dia., 15.75" sub-spdl. turning dia., 59.05" max. dist. btn. spdls., 46.65" max. turning length, 3.15" main & sub-spdl. hole dia. .001 deg., c-axis both spdls., 5,000 RPM main spdl., 28.1 HP spdl. drive motor, 12 sta. lower turret, Upper Slide B-axis swivel milling head w/HSK63A spdl. taper, 12,000 RPM, 29.5 HP motor, 80 pos. ATC, chip conveyor, mist collector, high pressure paper filter coolant system, S/N 07510000101 [Photo 1](#) | [Photo 2](#) | [Photo 3](#)

## **CNC LATHES**

[Group Photo of CNC Lathes](#)

**(3) DOOSAN "PUMA 800L"**, new 2012 & 2011, Fanuc Series 32i-Model A CNC control, 40'6" sw. over bed, 31.5" sw. over saddle, 35.43" max. turning dia., 125.98" max. turning length, spds: 750 RPM, 60 HP, 12-1/2" spdl. bore, 10.5" bore front & rear chucks, 12 sta. turret, tailstock, SMW Mdl. SLU-Z5.1 hyd. steadyrest, chip conveyor, S/N M0159-001103 (2/2011), S/N ML0159-001137 (7/2012), S/N ML0159-001113 (6/2011) [Sample Quotation](#) | [Photo 1](#) | [Photo 2](#) | [Video 1](#) | [Video 2](#) | [Video 3](#)

**DOOSAN "PUMA 480L"**, new 2011, Fanuc 21iM CNC control, 35.4" sw. over bed, 25.6" max. turning dia., 80.4" max. turning length, 10-1/2" spdl. bore, 3-

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750 RPM, front & rear chucks, 60HP, SMW Mdl. SLU-5.25 hyd. steadyrest, 12 pos. vert. turret, tailstock, chip conveyor, S/N ML0146-000321

[Sample Quotation](#) | [Photo 1](#) | [Photo 2](#) | [Photo 3](#)

**DOOSAN "PUMA 400LC"**, new 2012, Fanuc Series 21i-TB CNC control, 27.5" sw. over bed, 21.65" max. turning dia., 81.65" max. work length, 6.5" bap cap., spds: 15-1500 RPM, 30 HP, Samchully Mdl. MH-221 21" hyd. chuck, SMW Auto-Block Mdl. SLU-4-MS self-centering hyd. steadyrest, chip conveyor, 12-sta. turret, S/N ML0134-004490 [Photo 1](#) | [Photo 2](#)

**DAEWOO "PUMA 400B"**, new 2005, Fanuc 21i-TB CNC control, 28" sw. over bed, 18.9" sw. over carriage, 44.1" centers, 5.2" spdl. Bore, 2000 RPM, 50 HP, 15" hyd. chuck, pre-setter, 10 sta. turret, chip conveyor, tailstock, S/N PM351830 [Photo 1](#)

**MORI SEIKI MDL. SL45B1000**, Fanuc 10T CNC control, 26.4" sw. over bed, 18.11" sw. over crossslide, spdl. spds: 6-1500 RPM, 4.724" spdl. bore, 40 HP, 12 pos. vert. turret, tailstock, chip conveyor, S/N 25

**DOOSAN "PUMA 300C"**, new 2012, Fanuc 21iT CNC control, 15.74" max. machining dia., 4.53" spdl. bore, spds: 28-2800 RPM, 22/26 HP, 12 pos. vert. turret, tailstock, chip conveyor, tool presetter, Samchully 12" hollow spdl. chuck, S/N ML0052-003764 [Sample Quotation](#) | [Photo 1](#)

## **CNC HOLLOW SPINDLE FLAT BED LATHES**

**(2) MAXTEC 42" X 120" MDL. CST42120**, new 2008 & 2005, Fanuc 0iTC CNC control, 10-1/2" spdl. hole, front & rear chucks, (2) steadyrests, tailstock, H.D. boring attach., 8-sta. vert. turret, chip conveyor, S/N 27692 (2008), S/N 25052 (2005) [Photo 1](#) | [Photo 2](#)

**HWACHEON 42" x 120" MDL. MEGA100**, new 2002, Fanuc 21-T CNC control, 10-1/2" hole, front & rear chucks, remote pulse coder handles on door, 10-station vert. turret, chip conveyor, steadyrest, S/N 330004

**WEILER 28.34" X 118" MDL. E70X3000**, new 2008, Weiler E Series cycle controller D3, 16.14" sw. over crossslide, 8.5" spdl. bore, 10-1/2" spdl. hole, spdl. spds: 1-900 RPM, front & rear 4-jaw chucks, quick change toolpost, (2) steadyrests, S/N DE01 [Photo 1](#) | [Photo 2](#)

**TOOLMEX 24" x 118" MDL. TUR-630AMN/118**, Siemens CNC control, pulse coder handles, quick change toolpost, 5-1/2" spdl. hole w/front & rear chucks, steadyrest, S/N 8070593 [Photo 1](#) | [Photo 2](#)

## **CNC PROGRAMMING WORKSTATIONS**

**(2) PROGRAMMING WORKSTATIONS INCLUDING H.P. FLATSCREEN**

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**MONITORS, DELL SOLIDBOX PRECISION T3600 ENGINEERING WORKCENTERS; (5) PROGRAMMING WORKSTATIONS WITH H.P. FLATSCREEN MONITORS, DELL SOLIDBOX T3500 ENGINEERING WORKCENTERS; XEROX ENGINEERING SYSTEM SYNERGIX SCAN SYSTEM BLUE PRINT SCANNER, wide format, Product I.D. YMC-1;**

## **HOLLOW SPINDLE LATHES**

**KINGSTON OIL COUNTRY 31" X 120" MDL. HK3000**, new 2001, 12-1/2" spdl. hole, approx. 21" sw. over crossslide, spds: 7-400 RPM, 20 HP motor, front & rear mtd. 4-jaw independent chucks, taper attach., air trip thdng., Newall 4-axis D.R.O., (2) steadyrests, pwr. rapid traverse, pendant control, S/N 12900530S [Photo 1](#) | [Photo 2](#)

**TOOLMEX 24" x 60" MDL. TUR-630A/60**, 5-1/4" spdl. hole, front & rear chucks, spds: 30-1120 RPM, inch/metric thdng., Newall 2-axis D.R.O., front mtd. Adjust-Tru 16" chuck, steadyrest, S/N 60046 [Photo 1](#)

## **GAP BED ENGINE LATHES**

**(4) HWACHEON 23" X 79" MDL. HL580**, as new as 2003, 1-1/8" spdl. hole, spds: 28-1350 RPM, 10 HP motor, Adjust-Tru 3-jaw chuck, steadyrest, S/N 255580 (2003), S/N 254523 (2001) & S/N 254639 (2001) w/Newall 2-axis D.R.O., S/N 254812 (2002) w/Acu-Rite D.R.O.) [Photo 1](#) [Photo 2](#)

**HWACHEON 20-1/2" X 60"**, 2-1/8" spdl. hole, inch/metric thdng., spds: 28-1350 RPM, Adjust-Tru 3-jaw chuck, Newall 2-axis D.R.O., steadyrest, S/N L118109-06

**HWACHEON 18" X 59" MDL. HL18X59G**, approx. 11" sw. over crossslide, camlock spdl., spds: 32-1800 RPM, Newall 2-axis D.R.O., inch/metric thdng., 1-7/8" spdl. hole, steadyrest, assorted chucks, S/N 223699

**HWACHEON 17" X 60" MDL. WL435**, spds: 32-1800 RPM, steadyrest, Adjust-Tru 3-jaw chuck, 1-7/8" spdl. hole, S/N 9-8403-16

**HWACHEON 17" X 40" MDL. WL435**, 2-1/8" spdl. hole, spds: 32-1800 RPM, inch/metric thdng., Acu-Rite 2-axis D.R.O., steadyrest, Adjust-Tru 3-jaw chuck, S/N 9-8312-52 [Photo 1](#)

**(2) SHARP 14" X 40"**, new 2013, spds: 45-1800 RPM, inch/metric thdng., 1-1/2" spdl. hole, S/N 21409, S/N 21412. [Photo 1](#)

**SHAOXING 13" X 40" MDL. 13X40**, 3-jaw chuck, cabinet base, S/N 16087



## **VERTICAL TURRET MILLING MACHINES**

**(2) WEBB MDL. 2VH**, new 2013, 9" x 42" table, variable spds: 60-4500 RPM, 3 HP motor, long. pwr. feed, S/N 10212729, S/N N/A (*appear unused!*) [Photo 1](#)

**ACER ULTIMA**, 10" x 50" table, variable spds: 60-4500 RPM, pwr. drawbar, hardened & ground ways, S/N N.A.

**ALLIANT**, 9" x 48" table, variable spds: 60-4500 RPM, pwr. feed, Acu-RlTe 2-axis D.R.O., S/N 73043712

**ALLIANT**, 9" x 48" table, chrome ways, spds: 60-4500 RPM, S/N 20218209

## **EDM DRILLING MACHINE**

**SODICK MDL. KC**, new 2004, D.R.O., X&Y coordinate table, 13-3/4" x 9-3/4" table, S/N K1CSR630 [Photo 1](#)

## **BANDSAWS**

**DOALL MDL. C305A AUTOMATIC HORIZONTAL**, new 2002, 1-1/4" blade, auto. index feed system, 10' infeed conveyor, chip conveyor, digital programmable index length, S/N 534-02349 [Photo 1](#)

**COSEN MDL. MH1016JA HORIZONTAL**, 10" x 16" cap., 1" blade

**DOALL MDL. 2013-V VERTICAL**, new 2006, 20" sq. tilting table, S/N 571-06373

## **GRINDERS**

**CINCINNATI #2 TOOL AND CUTTER**, extended length pwr. table, Rush Machinery air bearing endmill fixture, K.O. Lee tilting 5C collet fixture w/indexer, S/N 1D2T6R-295

**K.O. LEE MDL. B6060H535 TOOL AND CUTTER**, pwr. rotary workhead, 2-axis D.R.O., extended length table, S/N 27259

**(2) BLACK DIAMOND DRILL**, 1/16" to 3/4" cap., cabinet stand, (1) w/accessories

## **ROLLING FRAME HYDRAULIC STRAIGHTENING PRESSES**

**CUSTOM 150 T. CAP.**, 6" stroke, 24" daylight, 14" x 154" bed, (4) V block straightening rests, Enerpac elec. Pump. [Photo 1](#)

**CUSTOM**, I-beam fabrication, rolling frame design, Powerteam approx. 100 T. cap. hyd. cylinder [Photo 1](#)

## **QUALITY CONTROL LABORATORY**

[Photo 1](#)

**ZEISS MDL. ACCURA-MASS-12/30/10 COORDINATE MEASURING MACHINE**, new 2012, 47.24" max. measuring width, 118.11" max. measuring length, 39.37" max. measuring height, DCC operation, Calypso Version 5.4 measuring software, Vast program controlled tilting probe, probe change rack, dual screen PC controls, S/N 201202810080 [Photo 1](#) [Photo 2](#)

**ZEISS ECLIPSE MDL. SYS:EC, 28040-20/24DCC COORDINATE MEASURING MACHINE**, new 1996, 28"W., 40" max. length, 20" max. measuring height, full DCC positioning system, Zeiss probe head w/7-pos. probe changer rack, R&R Fixtures 30" sq. drilled & tapped fixture plate w/accessories, Calypso Version 5.2 measuring software, S/N CMM960202793 [Photo 1](#)

**FARO "EDGE" PORTABLE MEASURING ARM**, new 2011, roller tripod stand, vacuum plate base w/case, laptop computer, S/N E09-05-11-09038 [Photo 1](#)

**FARO "PLATINUM" PORTABLE MEASURING ARM**, new 2005, roller tripod stand, laptop computer, S/N PO8-05-05-03491 [Photo 1](#)

**(2) BROWN & SHARPE TESA MICRO-HITE 900 MDL. 007.90023 ELECTRONIC HEIGHT GAUGE**, new 2012 & 2011, printer, accessories, S/N 5Z-1008-12, S/N 9P-0013-11

**BROWN & SHARPE MICRO-HITE 900 MDL. 007.98002 ELECTRONIC HEIGHT GAUGE**, S/N 5G-00211 [Photo 1](#)

**(2) BROWN & SHARPE MICRO-HITE 600 MDL. 007.90022 ELECTRONIC HEIGHT GAUGE**, new 2012, printer, accessories, S/N 2U-0007-12, S/N 5M1031-12

**S.T. INDUSTRIES MDL. 20-3700 OPTICAL COMPARATOR**, 20" dia. screen, Quadra-Chek 200 D.R.O., 10X lens, surface illumination, fabricated cabinet stand, S/N 7054401

**MITUTOYO MDL. PH3500 OPTICAL COMPARATOR**, 16" horiz. beam, digital protractor screen, Fagor 2-axis D.R.O., assorted lenses

**OLYMPUS EYEPLEX FX MDL. IV8435N INDUSTRIAL VIDEO SCOPE**, S/N Y811283

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**(2) OLYMPUS MDL. IF2D5 INDUSTRIAL FIBERSCOPE**, light source, case

**SERVICE DIAMOND MDL. 12SSA HARDNESS TESTER**, S/N 20201

**PRECISION HAND TOOLS INCLUDING: LARGE SELECTION OF PROBES** for Zeiss coordinate measuring machines; **ELECTRONIC DEPTH GAUGES; MICROMETER DEPTH GAUGES; BLADE MICROMETERS** from 1" to 4"; **(4) MITUTOYO BORE GAUGES** from 1.2" up to 6"; **MITUTOYO MICROMETER SET** from 1" to 12 in wooden case; **SUNNEN GAUGE SETTING FIXTURES; MULTIPLE BROWN & SHARPE MICROMETER SETS** from 1" to 12"; **MITUTOYO 18" & 12" DIAL TYPE HEIGHT GAUGES; WIDE ARRAY OF PRECISION GAUGE BLOCK SETS & PIN GAUGE SETS; (3) MITUTOYO MICROMETERS** - (1) 12" to 18", (1) 18" to 24" & (1) 24" to 30" w/interchangeable anvils & standards; **PRECISION GROUND V BLOCKS; PRECISION GROUND SINE PLATES; WIDE SELECTION OF 1-2-3 BLOCKS; ROLLER DRAWER TOOL STORAGE CABINETS** w/huge assortment of pin gauges, bore gauges, dial indicators, **INTERMICS**, Mueller gauges, chamfer gauges, test indicators, Much Much More!

**GRANITE SURFACE PLATES: TRUESTONE 48" X 96" X 12" THK.**, Grade A, on fabricated stand, S/N MPI1325; **(2) PRECISION 48" X 96" X 10" THK.**, new 2007 & 2002, Grade A, S/N N/A (2007), S/N S/N MPI-1345 (2002) on fabricated stand; **PRECISION 48" X 96" X 8" THK.**, Grade B, on fabricated steel stand, S/N MPI-1320; **PRECISION 36" X 60" X 6" THK.**, Grade A, on fabricated steel stand, S/N MPI-1310

## **MISCELLANEOUS MACHINE SHOP EQUIPMENT AND ACCESSORIES**

**(2) CAST IRON ANGLE PLATES (matched pair)**, 16"W. x 39-1/2" ht. x 24" dp., T-slotted construction; **CLAMPING KITS; HUGE ASSORTMENT OF R8 & #40 QUICK SWITCH SPDL. TOOLING; COLLETS; (6) KURT 6" ANGLE LOCK MILLING VISES; 5C INDEX HOLDERS; ASSORTED R8 RIGHT ANGLE ATTACHS.; SPIN INDEX FIXTURES; YUASA 12" ROTARY TABLE; SINE VISES; KURT 8" ANGLE LOCK VISE; 5C COLLETS; TRANSFER PUNCHES; 3-JAW CHUCKS; HUGE ASSORTMENT OF ALUMINUM FIXTURING EQUIPMENT; LARGE ASSORTMENT OF ALORIS QUICK CHANGE TOOLPOSTS w/holders; HUGE ASSORTMENT OF KURT 6" & 8" H.D. MILLING VISES; (4) KURT 6" DOUBLE MILLING VISES; ASSORTED PEDESTAL GRINDERS & DRILL PRESSES; CARBIDE GRINDERS; PEDESTAL GRINDERS; 24" HAND SHEAR**, on fabricated stand; **SKIL 10" TABLE SAW; ROCKWELL 16" ABRASIVE CUT-OFF SAW, CRAFTSMAN 14" WOODCUTTING VERTICAL BANDSAW; HUGE QTY. OF LETTER/NUMBER STAMPS** of various sizes; **ASSORTED PAPER ABRASIVES;**

## **MARKING MACHINES**

**TECHNOMARK MULTI-FOUR-120 PORTABLE INK JET PRINTING MACHINE**, w/input panel & roller cart [Photo 1](#)

**PRO-PIN MDL. P5000 PN/D PROGRAMMABLE PIN DOT STAMPING MACHINE**, new 2011, computerized input panel, keyboard, S/N P5000PND-11-11-5407

## **DOWNDRAFT SANDING BENCHES**

**(5) AIRFLOW SYSTEMS**, 24 F-B x 48 R-L surface, Dustpak built-in dust collector [Photo 1](#)

## **LARGE COMPONENT WASH SYSTEM**

**ALL GALVANIZED STEEL CONSTRUCTION**, 20' L. x 8' W, bar grate floor, Alkota Mdl. 4301NG 3,000 PSI blast unit, 4 GPM, Evans Equipment & Environmental waste water recycling & treatment system, (2) poly tanks, recycling pumps & filter units (*to be sold as one lot*) [Photo 1](#)

## **EXPENDABLE TOOLING**

**(4) AUTOCRIB MDL. SL3, AUTOMATED TOOL DISPENSERS; ROBOCRIB MDL. 500 AUTOMATED TOOL DISPENSER; COBALT STUB DRILLS; COBALT JOBBERS DRILLS; AIRCRAFT 6" DRILLS; AIRCRAFT 12" DRILLS; SPADE DRILLS; CENTER DRILLS; SLITTING SAWS; ENDMILLS; REAMERS; INDEXABLE CARBIDE TURNING TOOLS; INSERTS; GROOVING TOOLS; HEAD REAMERS; SOLID CARBIDE REAMERS of every size; PART-OFF TOOLS; GUN DRILLS up to 16"L.; KEYSEAT CUTTERS; TAPS; THREAD MILLS; PIPE TAPS; PULLEY TAPS; VEGA TAPS; HIGH PERFORMANCE ENDMILLS; SILVER & DEMING DRILLS (in roller drawer cabinets);** [Photo 1](#) | [Photo 2](#)

## **FREE STANDING CRANE SYSTEMS**

**BAY AREA GENERAL CRANE SERVICE 3 T. X APPROX. 56' SPAN**, approx. 56' runway, 6-way pwr. motion, pendant control, dbl. end drive, R&M Spacemaster SX wire rope hoist unit, S/N 694446 [Photo 1](#)

**CLEVELAND TRAMRAIL BY GORBEL 2 T. X 60' OVERALL SPAN**, approx. 60' linear travel, underhung design, dbl. end drive, 6-way pwr. motion,

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pendant control, Harrington 2 T. cap. elec. chain hoist w/basket, approx. 12' under hook, complete system including uprights, linear rails, electrification & bridge [Photo 1](#)

**CLEVELAND TRAMRAIL 2 T. X APPROX. 45' SPAN**, approx. 60' linear travel, underhung design, Harrington 2 T. cap. elec. chain hoist w/basket, 6-way pwr. motions, complete w/uprights, rails & electrification [Photo 1](#)

## **FREE STANDING PEDESTAL JIB CRANES**

[1 Ton Photo](#)

[1 Ton Photo](#)

[2 Ton Photo](#)

**MATERIAL HANDLING SYSTEMS 2 T. X 18' REACH**, approx. 12' under hook, Harrington 2 T. cap. chain hoist, basket

**(2) ABELL-HOWE 2 T. X 18' REACH**, approx. 14' ht. under rail, Budgit 2 T. cap. elec. chain hoist, pendant control

**(3) ABELL-HOWE 2 T. X APPROX. 18' REACH**, 12' ht. under rail, Budgit 2 T. elec. chain hoist, basket, pendant control

**(3) ABELL-HOWE 1 T. X 18' REACH**, 12' under hook, Budgit 1 T. cap. elec. chain hoist, basket

**MATERIAL HANDLING SYSTEMS 1 T. X 18' REACH**, 12' under hook, Harrington 1 T. cap. elec. chain hoist

**MATERIAL HANDLING SYSTEMS 1 T. X 18' REACH**, approx. 12' ht. under rail, Harrington 1 T. cap. elec. chain hoist, pendant control

**(3) ABELL-HOWE APPROX. 1 T. X 18' REACH**, approx. 12' ht. under rail, Budgit 1 T. cap. elec. chain hoist, pendant control

**(2) GAFFEY 1 T. X 18' REACH**, 12' under hook, Budgit 1 T. cap. elec. chain hoist, basket, pendant control

**ABELL-HOWE 1 T. X 18' REACH**, approx. 8' under rail, Budgit 1 T. cap. chain hoist

**(2) ABELL-HOWE ½ T. X 10' REACH**, 10' ht. under rail, Budgit ½ T. cap. elec. chain hoist

**GAFFEY ½ T. X 10' REACH**, 8' ht. under rail, Budgit ½ T. cap. elec. chain hoist, pendant control

## **MATERIAL HANDLING EQUIPMENT**

**HAULOTTE 2032 SELF-PROPELLED SCISSOR LIFT, TENNANT ELECTRIC FLOOR SCRUBBER; (2) TITAN 40' CONNEX SHIPPING/STORAGE CONTAINERS; SPANCO 2 T. CAP. ROLLER GANTRY CRANE**, aluminum frame, adj. ht., 9' beam length, Harrington 2 T. cap. air operated chain hoist, **LARGE ASSORTMENT OF STANLEY VIDMAR & EQUIPTO ROLLER DRAWER TOOL CABINETS**, most are 11-drawer to 18-drawer; **ACTIVRAC ROLLING SHELF STORAGE SYSTEM** w/(14) shelves on (6) mobile roller bases; **MANY ROLLER TOOL CARTS** for CAT-50 & CAT-40 taper tooling; **MANY FABRICATED ALUMINUM LONG PART STORAGE & TRANSPORT CARTS**, adj. length, hard caster rollers, binding straps; **HUGE QTY. OF RUBBERMAID 2-TIER PLASTIC ROLLER CARTS; COOLANT RECYCLING TANK**, poly, 2,000 gal. cap., chip dump, recycling pump [Photo 1](#) | [Photo 2](#)

## **COMPRESSED AIR SYSTEMS**

**CURTIS MDL. RS100BA-EB251 ROTARY SCREW AIR COMPRESSOR**, 453 CFM cap., 100 HP motor, skid mtd., air cooled, S/N 18060001 [Photo 1](#)

**(2) SULLAIR MDL. 20-100H ROTARY SCREW AIR COMPRESSORS**, skid mtd., air cooled, S/N 003-88511, S/N 003-92212 [Photo 1](#)

**CURTIS MDL. RS750 ROTARY SCREW AIR COMPRESSOR**, 329 CFM cap., 75 HP drive motor, skid mtd., air cooled, S/N 7104H01015

**(2) F.S. CURTIS MDL. RNP400 REFRIGERATED AIR DRYERS**, 400 CFM cap., S/N HG400A4601210002, S/N N.A.

**HANKINSON MDL. HPRPA300 REFRIGERATED AIR DRYER**, 300 SCFM @ 100 PSIG, S/N AH300A4600108015

**HANKINSON MDL. HPRP400-460 REFRIGERATED AIR DRYER**, 400 SCFM, S/N H400B4600307036

**VERTICAL AIR RECEIVER TANK**, new 2001, approx. 240 gal. cap.

**VERTICAL AIR RECEIVER TANK**, new 2011, approx. 400 gal. cap.

## **PICKUP TRUCK**

**2005 TOYOTA TUNDRA**, auto. trans., Odo: 185,000 miles, VIN 5TBJU32155S449901 [Photo 1](#)

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## **FLATBED TRUCKS**

**2011 KENWORTH**, 26,000 lb. G.V.W.R., auto. trans., flip-up side kit, diamond plate steel deck w/rub rails, 24'L. x 96"W. bed, toolboxes, 4,094.4 H.O.M., Odo: 91,000 miles, VIN 17254M308767 [Photo 1](#)

**2003 ISUZU MDL. NPR**, 12,000 lb. G.V.W.R., auto. trans., 14'L. x 8'W. bed, cab over design, intercooled turbo diesel engine, Odo: 296,000 miles, VIN JALB4B14637013520 [Photo 1](#)

## **FORKLIFTS**

**TOYOTA MDL. 52-6FGCU45**, LP engine, 8,900 lb. cap. @ 20" L.C., 198.5" max. lift, 48" forks, side shift, cushion tires, S/N 60608 [Photo 1](#)

**TOYOTA MDL. 42-6FGCU25**, LPG engine, 5,350 lb. cap. @ 20" load center, 189" max. lift, 48" forks, side shift, cushion tires, S/N 75235 [Photo 1](#)

**TOYOTA MDL. 7FGCU25**, LPG engine, 5,100 lb. cap. @ 20" L.C., 170.5" max. lift, 48" forks, cushion tires, side shift, S/N 62921 [Photo 1](#)

**TOYOTA MDL. 8FGCU25**, LPG engine, 4,500 lb. cap. @ 24" L.C., 189" max. lift., 48" forks, side shift, cushion tires, S/N 38968 [Photo 1](#)

**CATERPILLAR 2,200 LB. CAP. MDL. NSP22 ELECTRIC PALLET LIFTER**, 62" max. lift, 24 v. battery, on-board battery charger, S/N 1NSP15170 [Photo 1](#)

## **OFFICE FURNITURE AND EQUIPMENT**

**COMPLETE EXECUTIVE WITH HIGH QUALITY FURNISHINGS INCLUDING CREDENZA, CONFERENCE TABLE, LEATHER CHAIRS, MATCHING FILE CABINET; SEVERAL EXECUTIVE OFFICE SUITES WITH L-SHAPED DESKS & MATCHING FILE CABINET [Photo 1](#); (3) CONFERENCE ROOMS EQUIPPED WITH EXECUTIVE CONFERENCE TABLES, LEATHER CHAIRS & PROJECTORS [Photo 1](#); (18) TOTAL CUBICLES WITH HIGH QUALITY MODULAR CUBICLE FURNITURE [Photo 1](#); EMPLOYEE LUNCHROOM FACILITY, (5) XEROX WORKCENTER 5655 COPIERS w/document feeder & collator stand [Photo 1](#); LARGE SELECTION OF DELL & H.P. PERSONAL COMPUTERS; DESK TOP STATIONS [Photo 1](#); LARGE QTY. OF BROTHER MDL. HL4570CDW COLOR LASER PRINTERS; DOZENS OF VIEWSONIC MONITORS; DYMO LABEL WRITER PRINTERS; ASSORTED LAPTOPS of all descriptions; (5) H.P. ALL-IN-ONE DESKTOP PERSONAL COMPUTERS (new in boxes); (5) HP ALL-IN-ONE PERSONAL COMPUTERS, arranged**

for time recording

## **DAY 2: SHAMROCK PRECISION OPERATIONS INC.**

### **6-AXIS VERTICAL MACHINING CENTER**

**DECKEL MAHO “DMF 260”**, new 2012, Siemens 840D Ergoline CNC control 114.17” x 27.55” table, 4700 lb. table load, 102.36” X, 27.55” Y & 27.55” Z-axis travels, +/- 110 deg. B-axis head swivel, 29.5” dia. integrated horiz. rotary table, HSK-A63 taper, 18,000 RPM, 35 kw, 60 pos. ATC, MMK Mdl. TR401H2E03 CNC rotary table & tailstock, 6-jaw Adjust-Tru chuck, chip conveyor, HP thru-spd. coolant system, paper filter filtration system, Power Probe, Blum laser tool probe, S/N 15165262704 [Photo 1](#) | [Photo 2](#)

### **4-AXIS CNC VERTICAL MACHINING CENTERS**

**DOOSAN “MYNX 7500/60”**, new 4/2012, Fanuc 21i Series CNC control, 63” x 29.5” table, 60” X, 30” Y, 24.6” Z-axis travels, CAT-50 taper, 6000 RPM, 20 HP, 30 pos. ATC, MMK Mdl. TR401H2E03 4<sup>th</sup> axis rotary table w/tailstock, Adjust-Tru 6-jaw chuck, 6-1/2” thru hole, thru-spd. coolant, chip conveyor, S/N MV0051-000525

**DOOSAN “MYNX 6030/50”**, new 6/2008, 60” X, 30” Y & 24.6” Z-axis travels, CAT-50 taper, 63” x 29.5” table, 3300 lb. table load, 6,000 RPM, 20 HP, 30 pos. ATC, Nikken RT300B CNC rotary table w/5-1/2” thru hole & tailstock, Adjust-Tru 6-jaw chuck, HP thru-spd. coolant system, chip conveyor, S/N MYNX750320 [Photo 1](#)

**DOOSAN “MYNX 6500/50”**, new 12/2011, Fanuc 21i Series CNC control, 55.1” X 26.3” table, 50” X, 26.3” Y, 24.6” Z-axis travels, CAT-50 taper, 6000 RPM, 20 HP, 30 pos. ATC, Kitagawa Mdl. MR320RAE09 CNC rotary table, Adjust-Tru 6-jaw chuck, tailstock, HP spd. coolant system, S/N MV0049-00818 [Photo 1](#) | [Photo 2](#)

**DOOSAN MDL. MV5025-50**, new 7/2007, Fanuc 21iMB CNC control, 55.1” x 27.6” table, 51.1” X, 25.6” Y, 24.6” Z-axis travels, CAT-50 taper, 6000 RPM, 20 HP, 30 pos. ATC, Tsudakoma Mdl. RVA-320 4<sup>th</sup> axis rotary table, tailstock, Adjust-Tru 6-jaw chuck, HP thru-spd. coolant system, chip conveyor, S/N AV631143 [Photo 1](#)

**(2) HAAS MDL. VF5/50**, new 12/2012, 52” x 23” table, 4000 lb table load, 50” X, 26” Y, 25” Z-axis travels, CAT-50 taper, 7500 RPM, 30 HP, 30 pos. ATC,

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4<sup>th</sup> axis table w/6-jaw chuck, tailstock, HP thru-spdl. coolant system, S/N 1100247, S/N 1100263 [Photo 1](#) | [Photo 2](#)

**HAAS MDL. VF2**, new 12/2012, 36" x 14" table, 3000 lb. table load, 30" X, 16" Y, 20" Z-axis travels, CAT-40 taper, 8100 RPM, 30 HP, 24 pos. ATC, Haas 4<sup>th</sup> axis table w/6-jaw chuck & tailstock, HP thru-spdl. coolant, S/N 1100142 [Photo 1](#) | [Photo 2](#)

## **5-AXIS HORIZONTAL MACHINING CENTER**

**HAAS MDL. EC1600**, new 1/2013, Haas CNC control, 30" x 64" plain table w/30" built in CNC rotary table, 10,000 lb. table load, 64" X, 50" Y, 32" Z-axis travels, CAT-50 taper, 7500 RPM, 30 HP, 50 pos. ATC, HP thru-spdl. coolant, Haas 16" dia. 5<sup>th</sup> axis rotary table w/7-1/2" thru hole, 6-jaw Adjust-Tru chuck, S/N 2053991 [Photo 1](#) | [Photo 2](#) | [Photo 3](#)

## **4-AXIS CNC HORIZONTAL MACHINING CENTERS**

[Group Photo](#)

**DOOSAN MDL. HP6300**, new 9/2011, Fanuc 31i-MODEL A CNC control, (2) 24.8" sq. pallets, 2,200 lb. pallet load, .001 indexing, 39.4" X, 33.5" Y, 33.5" Z-axis travels, CAT-50 taper, 12,000 RPM, 40 HP, 120 pos. ATC, Chipblaster HP thru-spdl. coolant, chip conv., S/N MH0007-00197 [Photo 1](#) | [Photo 2](#)

**DOOSAN MDL. HC400**, new 2011, Fanuc 32i-Model A CNC control, (2) 15.7" sq. Pallets, .001 deg. Indexing, 23.6" X, 22" Y, 22.2" Z-axis travels, CAT-40 taper, 10,000 RPM, 35 HP, 40 ATC, Chipblaster HP thru-spdl. coolant, S.N 387496 [Photo 1](#)

**DOOSAN "DIAMOND SERIES DHC400" 4-AXIS**, new 2006, Fanuc Series 21iMB CNC control, (2) 15.7" sq. pallets, .001 deg. Indexing, 24" X, 22" Y, 22" Z-axis travels, CAT-40 taper, 10,000 RPM, 35 HP, 30 pos. ATC, chip conveyor, Chipblaster HP thru-spdl. coolant, S/N HC400322

**OKUMA MDL. MX40HA 4-AXIS**, new 1998, Okuma OSPU100M CNC control, (2) 15.7" sq. pallets, .001 indexing, 22" X, 24" Y, 22" Z-axis travels, CAT-40 taper, 8,000 RPM, 40 pos. ATC, tool presetter, Chipblaster HP thru-spdl. coolant, chip filter system, S/N 0352 [Photo 1](#)

## **CNC MILL/TURN MACHINES**

**(2) OKUMA "SPACETURN LB3000EX-MY" 4-AXIS**, new 6/2012, Okuma OSP-P200LA CNC control, 22.8" sw. over bed, 18.5" sw. over carriage, 13.39" max. turning dia., 38.19" dist. btn. centers, +2.76"/-1.97" Y-axis travel, .001 deg. C-axis, 3.58" spdl. hole, spds: 42-4200 RPM, 40/30 HP spdl. drive

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motor, rotary tool spds: 45-6000 RPM, live tooling, tool presetter, 10" chuck, tailstock, mist collector, S/N 164293, S/N 163860 [Photo 1](#) | [Photo 2](#) | [Photo 3](#)

## **CNC LATHES**

**(2) DAEWOO "PUMA 400LC"**, new 2012, Fanuc 21i Series CNC control, 27.5" sw. over bed, 21.65" max. turning dia., 81.65" max. work length, 6.5" bap cap., spds: 15-1500 RPM, 30 HP, Samchully Mdl. MH-221 21" hyd. chuck, Shunk Mdl. THL4 hyd. steadyrest, 12-sta. turret, tailstock, chip conveyor, S/N ML0134-004489 (2/2012), S/N ML0134004508 (4/2012)

**DOOSAN "PUMA 400C"**, new 1/2009, Fanuc 21i-TB CNC control, 27.5" sw. over bed, 21.65" max. turning dia., 44.1" max. work length, 6.5" bap cap., spds: 15-1500 RPM, 30 HP, Samchully Mdl. MH-221 21" hyd. chuck, SMW Autoblock SLU-4-ZS hyd. steadyrest, 12-sta. turret, tailstock, chip conveyor, S/N PM353998 [Photo 1](#)

**OKUMA "CAPTAIN L470"**, new 2002, Okuma OSP-E100L CNC control, 24.41" sw. over bed, 18.9" sw. over crossslide, 16.54" turning dia., 50" betw. Centers, 4.33" spdl. Bore, 3000 RPM, 30 HP, 12 sta. turret, 15" chuck, tool presetter, tailstock, chip conveyor, mist collector, S/N 102085 [Photo 1](#)

**OKUMA SPACETURN MDL. LB3000EX**, new 8/2012, Okuma OSP-200LA CNC control, 22.8" sw. over bed, 18.5" sw. over carriage, 13.39" max. turning dia., 38.19" dist. btn. centers, 3.58" spdl. hole, spds: 42-4200 RPM, 40/30 HP 10" chuck, 12 sta. turret, tool presetter, tailstock, chip conveyor, mist collector, S/N 165470 [Photo 1](#) | [Photo 2](#)

**OKUMA "CROWN L-1420"**, new 2002, Okuma OSP-U10L CNC control, 18.9" sw. over saddle, 14.17" turning dia., 50: betw. centers, 3.15" spdl. Bore, 3500 RPM, 25 HP, 15" thru hole hyd. chuck, 12 stat. turret, chip conveyor, mist collector, roller steadyrest, S/N 0158 [Photo 1](#)

**OKUMA "CAPTAIN L-370-BB"**, new 2001, Okuma OSP-E100L CNC control, 20.08" sw. over bed, 14.56" turning dia., 21" betw. centers, 3.15" spdl. bore, 3800 RPM, 8" 3-jaw thru hole chuck, tool presetter, tailstock, 12 sta. turret, chip conveyor, mist collector, S/N 0008 [Photo 1](#)

**DOOSAN "PUMA 280"**, new 2009, Fanuc 21i-T CNC control, 23" sw. over bed, 15.7" turning dia., 26.3" betw. centers, 3.38" spdl. bore, 2800 RPM, 30 HP, 12 sta. turret, 10" chuck, presetter, tailstock, chip conveyor, mist collector, S/N PM2801249 [Photo 1](#)

**DAEWOO PUMA MDL. 230C**, new 2002, Fanuc 21i-T CNC control, 21" sw. over bed, 13" sw. over carriage, 26.3" betw. centers, 3.54" spdl. bore, 3500 RPM, 25 HP, 12 sta. turret, 10" chuck, presetter, tailstock, chip conveyor, mist collector, S/N PM232385 [Photo 1](#)

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**(3) DOOSAN LYNX MDL. 220LC**, new 2006, Fanuc 21i CNC control, 20.1" sw. over bed, 12.6" turning dia., 21" turning lgth., 3" spdl. bore, 4,000 RPM, 20 HP, 12 sta. turret, 8" chuck, presetter, tailstock, parts catcher, chip conveyor, mist collector, S/N L2201057, S/N L2201386, S/N L2201747 [Photo 1](#)

**DOOSAN LYNX MDL. 220A**, new 8/2005, Fanuc 21i CNC control, 20.1" sw. over bed, 6.7" turning dia., 12.6" turning lgth., 2.4" spdl. bore, 6000 RPM, 20 HP, 12 sta. turret, 6" chuck, presetter, tailstock, parts catcher, chip conveyor, mist collector, S/N L2200559

## **CNC WIRE EDM MACHINES**

**SODICK MDL. AG750LH HIGH COLUMN**, new 7/2012, Sodick LN2WH CNC control, 29.52" X, 19.60" Y, 23.62" Z, 30.31" U & 20.47" V-axis travels, 49.76" x 38.30" work tank dims., 23.62" max. workpiece ht., 3,330 lb. max. workpiece weight, +/- 30 deg. taper angle, AWT, water conditioning system & filters, S/N 0833 [Photo 1](#)

**SODICK MDL. AQ750L**, new 11/2010, Sodick LN2W CNC control, 29.52" X, 19.60" Y, 15.7" Z, 30.31" U & 20.47" V-axis travels, 49.76" x 38.30" work tank dims., 15.7" max. workpiece ht., 300 lb. max. workpiece weight, AWT, drop tank design, water conditioning system w/cartridge filters, scrap wire chopper, S/N 0765 [Photo 1](#)

**(2) SODICK MDL. AG400L**, new 2013, submerged Sodick LN2W CNC control, linear motor drive, 15.75" X, 11.81" Y, 9.84" Z, 4.72" U & 4.72" V-axis travels, .003" to .012" wire dia. range, 16.54" per second max. wire feed rate, fixed jet AWT, water conditioning system, scrap chopper, S/N 1239 (1/2013), S/N 1240 (1/2013) [Sample Quotation](#) | [Photo 1](#)

## **WIRE EDM ROTARY TABLE**

Sodick Mdl. WS-5P dia. rotary table, 6.1" dia., 44 lb. permissible load, 3.1" center ht., vert./horiz. design [Photo 1](#)

## **CNC RAM TYPE EDM MACHINES**

**SODICK MDL. AQ55L**, new 8/2007, Sodick LQ1G CNC control, linear motor drive, 29.5" x 21.6" table, 37.4" x 28.5" x 16.1" work tank., 21.65" X, 15.7" Y, 13.77 Z-axis travels, System 3R 20mm chuck, 6 pos. ATC, drop tank design, Sodick Mdl. 40B 80 amp ttl. aux. pwr. supply, S/N 1005 [Photo 1](#)

**(2) SODICK MDL. AG40L**, new 2012, Sodick LN-2 CNC control, linear motor

drive system, 23.6" x 15.7" table, 29.5" x 24.4" x 13.77" work tank., 15.7" X, 11.8" Y, 10.6" Z-axis travels, 1200 lb.max. weight, System 3R 20mm chuck, 4 pos. ATC, drop tank design, S/N A021 (3/2012), S/N 0539 (7/2012) [Photo 1](#)

**SODICK MDL. AQ35L**, new 9/1999, Sodick LN1 CNC control, 23.6" x 15.7" table, 29.5" x 21.6" x 12.5 work tank, 13.77" X, 9.8" Y, 9.8" Z-axis travels, 20mm chuck, 40 amp pwr. supply, S/N D115

## **EDM DRILL**

**MITSUBISHI MDL. ED-2000M**, new 11/2007, 12-1/2" x 15-3/4" table, D.R.O., S/N 1004-1166

## **CNC PROGRAMMING SYSTEM**

**FEATURING:** Dell Precision T7600 solid box engineering workstation, Twin Dell monitors, assorted software [Photo 1](#)

## **TOOL PRESETTER**

**DMG MDL. ECO210 MICROSET**, new 2008, PC & printer, S/N 99510011898 [Photo 1](#)

## **GAP BED ENGINE LATHES**

**CHIN HUNG 22" X 120"**, new 1997, 4-1/2" spdl. hole, spds: 30-1200 RPM, inch/metric thdng., taper attach., 2-axis D.R.O., 3-jaw chuck, (3) steadyrests, S/N N.A.

**SHARP 22" X 80" MDL. 2280X**, spds: 15-1500 RPM, inch/metric thdng., taper attach., steadyrest, 3-jaw chuck, Newall 2-axis D.R.O., S/N 2907214 [Photo 1](#)

**TARNOW 21" X 80" MDL. TUJ560M**, spds: 20-1600 RPM, inch/metric thdng., taper attach., 2-axis D.R.O., 3.5" spdl. hole, S/N 4017 [Photo 1](#)

**SHARP 18" X 60" MDL. 1860C**, spds: 20-2000 RPM, taper attach., 2-axis D.R.O., steadyrest, S/N 1903134

## **HIGH PRECISION LATHES**

**HARDINGE 11" X 18" MDL. HLVH**, spds: 125-3000 RPM, Newall 2-axis D.R.O., 3-jaw chuck, collets, step chucks, accessories, S/N HLV-H-14270 [Photo 1](#)

**SHARP 11" x 18" MDL. 1118H**, inch/metric thdng., Newall 2-axis D.R.O., collets, step chucks, 1 shot lube, accessories, digital spd. readout, steadyrest, S/N GCT0910284 [Photo 1](#)

## **VERTICAL TURRET MILLS**

**LAGUN MDL. FTV2 CNC**, Acu-Rite Millvision 2-axis programmable control, 10" X 49" table, spds: 60-4200 RPM, right angle milling attach., S/N 46203

**ACER ULTIMA MDL. 3VRH**, 10" x 50" table, hardened & ground ways, 2-axis D.R.O., spds: 60-4200 RPM, long. pwr. feed, S/N 96070691 [Photo 1](#)

**(2) BRIDGEPORT SERIES 1**, 9" x 48" table, pwr. feed, chrome ways, 2-axis D.R.O., spds: 60-4200 RPM, long. pwr. feed, S/N 284132, S/N 207341

## **TOOL AND CUTTER GRINDERS**

**CINCINNATI MILACRON NO. 2**, tilt spdl., pwr. workhead, many accessories, S/N F5443-E-80-05-15 [Photo 1](#)

**CINCINNATI MILACRON MONOSET**, assorted cams, index plates, S/N 3152A0180-0067 [Photo 1](#)

**DONALDSON TORIT UNIMASTER MDL. UMA100 CABINET STYLE DUST COLLECTOR**, S/N 10065678-L1-1

## **AUTOMATIC HORIZONTAL BANDSAW**

**SPARTAN MDL. PA10**, new 2002, 3 phase, 230 v., 10' infeed conveyor, 1-1/4" blade, S/N DPA100511 [Photo 1](#)

## **H-FRAME HYDRAULIC PRESSES**

**PRESSMASTER 250 T. CAP.**, integrated electro-hydraulic dual action pump, 48" dist. btn. uprights, table raising mechanism, adj. bed, straightening blocks, S/N N.A.

**DAKE 50 T. CAP. MDL. 50H**, adj. height bed w/elevating mechanism & hand pump, S/N 194140

## **MISCELLANEOUS MACHINERY**

**GROB MDL. NS18 VERTICAL BANDSAW**, w/tilting table

**LOCKFORMER DEEP THROAT VERTICAL BANDSAW**

**DYNABRADE MDL. 6400 SUPER FINISHING ATTACHMENT**, large qty. of supply tapes & Dynabraide coolant system, S/N 3353 [Photo 1](#)

**APPROX. 48" X 24" X 48" HT. SPRAY BOOTH**, Airflow Systems dust collector, rotating spray fixture

**AIRFLOW SYSTEMS DUST COLLECTOR**, flexible arms

**ZERO BLAST & PEEN GLOVE BOX BLAST CABINET**, 18" ht. x 36"W. x 18" dp., recirculating blast media

**ULTRAMATIC MDL. UF1 VIBRATORY FINISHER**, 1 cu. ft., self-contained, S/N 12425

**K.H. HUPPERT ELECTRIC HEAT TREAT FURNACE**, mdl. 12DFMPC-OT

**ACCUFINISH SERIES II PEDESTAL MOUNTED DIAMOND LAPPING MACHINE; (2) BALDOR MDL. 500 CARBIDE GRINDERS** w/tilting tables; **BALDOR ½ HP PEDESTAL GRINDER** w/cast iron pedestal; **KALAMAZOO 8" ABRASIVE CUT-OFF SAW; DAREX MDL. SP2500 DRILL SHARPENER;**

## **MACHINE SHOP ACCESSORIES**

**BRIDGEPORT RIGHT ANGLE ATTACHMENTS; ROTARY TABLES; KURT MILLING VISES; LARGE ASSORTMENT OF R8 TOOLHOLDERS; 3-JAW & 4-JAW CHUCKS; V BLOCKS; SPIN INDEXERS; CLAMPING KITS & ACCESSORIES; SEVERAL EAGLE 2-DOOR FLAMMABLE LIQUID STORAGE CABINETS** [Photo 1](#)

## **TOOL ROOM**

**HUGE QTY. OF CUTTING TOOLS OF EVERY VARIETY; CENTER DRILLS; LONG DRILLS; JOBBER LENGTH DRILLS; REAMERS; TAPS;**

**THREAD MILLS; GROOVING INSERTS; CARBIDE INDEXABLE TURNING TOOLS; & INSERTS** of all descriptions; **BORING BARS; GUN DRILLS** in sorted roller drawer tool cabinets; **CAT-50 MILL TAPER TOOLING; ALUMINUM FIXTURING & FIXTURE COMPONENTS** [Photo 1](#)

## **QUALITY CONTROL LABORATORY**

**ZEISS "CONTURA G2" COORDINATE MEASURING MACHINE**, new 2006, 39.37" x 47.24" x 23.62" measuring range, Zeiss articulating probe, probe changer rack, Calypso measuring software, 30" Rayco fixture plate, S/N 200607500353 [Photo 1](#)

**ZEISS "DURAMAX 50/50/50" COORDINATE MEASURING MACHINE**, new 2012, 20" x 20" x 20" measuring range, 220 lb. max. wt., Calypso scanning software, VAST probe sys., Rayco fixture plate, S/N 142567 [Photo 1](#)

**MITUTOYO MDL. SV2100 SURFACE ROUGHNESS TESTER**, new 2011, integrated computer & printer, S/N 300021011 [Photo 1](#)

**STARRETT KINEMIC VIDEO MICROSCOPE**, S/N KMIC-0181-1861-0111

**OLYMPUS IPLEX ULTRALIGHT INDUSTRIAL VIDEO SCOPE**, hard carrying case, accessories [Photo 1](#)

**STARRETT 400 SERIES OPTICAL COMPARATOR**, 16" bench top, 20X lens, Quadra-Chek 200 D.R.O. system, edge finding, rotational stage [Photo 1](#)

**BROWN & SHARPE TESA MDL. MICRO-HITE 900 DIGITAL HEIGHT GAUGE TYPE 007.90023**, printer, S/N 1X0030-12

**TESA MICRO-HITE PLUS M600 ELECTRONIC HEIGHT GAUGE**, mdl. 007.30061, S/N 4J-1302-02 [Photo 1](#)

**TESA MICRO-HITE 1 ELECTRONIC HEIGHT GAUGE**, mdl. 1J-0187, 600mm, S/N 07.60115

**(2) BROWN & SHARPE TESA MICRO-HITE ELECTRONIC HEIGHT GAUGES**, mdl. 007.90022, S/N 9D-0019-11, S/N 2X-0061-12

**TESA-HITE 400 MDL. 007.30047 ELECTRONIC HEIGHT GAUGE**, S/N 4M-0017

**WILSON ROCKWELL MDL. 3 JUNIOR HARDNESS TESTER**, w/accessories

**PRECISION GRANITE TABLES: PRECISION GRANITE, 48" x 72" x 6"**

thk., Grade B, on fabricated stand; **PRECISION GRANITE**, 48" x 72" x 8" thk., Grade A, on granite stand; **PRECISION GRANITE**, 36" x 48" x 6" thk., Grade B, on fabricated stand

**PRECISION HAND TOOLS** *INCLUDING*: **HUGE ASSORTMENT OF PIN GAUGES**; **DOZENS OF MICROMETERS** up to 12" cap.; **COMPLETE MICROMETER SETS**, 1" to 6" cap.; **MITUTOYO BORE GAUGES**; **DEPTH MICROMETERS**; **THREAD MICROMETERS**; **BLADE MICROMETERS**; **GO/NOGO RING & THREAD PLUG GAUGES**; **RADIUS GAUGES**; **60" PRECISION VERNIER CALIPER**; **24" VERNIER HEIGHT GAUGE**

## **MARKING SYSTEMS**

**ULTRA-DEK BEAMER MDL. FS22 FIBER OPTIC LASER**, pwr'd. headstock, Dell personal computer & software, fully enclosed negative pressure cabinet, 2-axis stage [Photo 1](#)

**TELESIS PIN STAMP MDL. TMP1700 PIN DOT**, programming, keyboard, fabricated metal stand

**SCHMIDT MDL. 29-096-00 PNEUMATIC**, new 2000, 7,000 lb. cap. pressure, 3" stroke, S/N 4-0088

## **RAW MATERIALS**

**HARDENED & GROUND STOCK**; **BRASS ROD**; **STAINLESS STEEL ROD**; **8145 3-1/2" DIA. BRASS BAR**; **ALUMINUM TUBING**; **ALUMINUM FLATS**; **SOME ALUMINUM EXTRUDED ANGLE**; **4140 BAR**; **HOT ROLL BAR** [Photo 1](#)

## **ROTARY SCREW AIR COMPRESSORS**

**KAESER MDL. AIR CENTER SM10**, new 2008, 42 CFM cap., 10 HP drive motor, self-contained, w/horiz. air receiver, S/N 1300 [Photo 1](#)

**INGERSOLL RAND MDL. UP6-7.5-125**, new 2006, 28 CFM cap., mtd. to 80 gal. tank, S/N UP3153U06088 [Photo 1](#)

**KAISER MDL. SMB-8**, 7.5 HP, air receiver, S/N 1052.

## **FREE STANDING JIB CRANES**



**ABELL-HOWE 1 T. X 18' REACH**, 14' under rail, Harrington 1 T. cap. elec. chain hoist

**ABELL-HOWE 1 T. X 13' REACH**, approx. 10' under rail, Dayton 1 T. cap. elec. chain hoist

**ABELL-HOWE 1 T. X 12' REACH**, 10' under rail, Dayton 2,000 lb. cap. elec. chain hoist

**ABELL-HOWE 1 T. X 12' REACH**, 14' under rail, CM 1 T. cap. elec. chain hoist

**DAYTON 1/4 T. X 12' REACH**, Mdl. 4ZW99, 10' under rail, CM elec. chain hoist

## **FORKLIFT**

**TCM MDL. FGC25-3L**, LPG engine, 4,700 lb. cap. @ 24" L.C., see thru 2-stage mast, 130" max. lift, 48" forks, side shift, cushion tires, S/N A47F01479 [Photo 1](#)

## **FLATBED TRUCK**

**2004 ISUZU MDL. NPR**, turbo diesel engine, 14' diamond plate bed w/welded wire surround, rub rails & stake pockets, Odo: 293,000 miles, TX License No. BP84739, VIN DALCHBIG857008870 [Photo 1](#)

## **PICKUP TRUCK**

**2009 CHEVROLET SILVERADO MDL. 2500HD**, full size bed, spray bed liner, Odo: 35,800 miles, TX License No. 90MDJ9, VIN 1GCHC44K59F134221 [Photo 1](#)