



# AUCTION

## METALLIZING FACILITY CLOSING • 60+ YEARS OF SURFACE ENHANCEMENT SOLUTIONS

Featuring: Intellectual Property; Thermal Spray Equipment; Laser Cladding; Robotic Water Jet, Pulse Jet & Salt Stripping Systems; CNC & Manual Cylindrical Grinding Machines; CNC & Manual Machine Tools; Induction Heating; Furnaces & Ovens; Metallurgical Laboratory; Precision Measuring Instruments; Forklifts; Bridge & Jib Cranes; Rolling Stock; Compressors; Plant Support Equip.; More!

2005



CNC

DANOBAT 41" X 157" CNC CYLINDRICAL GRINDER



NUVONYX C02 LASER CLADDING SYSTEM

2012



CNC

GANESH 44" X 240" CNC LATHE

LIVE TOOL

1999



CNC

SHIGIYA 21" X 86" CNC CYLINDRICAL GRINDER

On-Site Bidding in St. Louis, Missouri or Bid Via Webcast at [BidSpotter.com](http://BidSpotter.com)

Read Partial Terms and Conditions on Back Page of Brochure

At the Premises of  
**ST. LOUIS METALLIZING CO.**  
4123 Sarpy Avenue  
ST. LOUIS, MISSOURI 63110  
*(See Directions on Back Page)*

**AUCTION: THURS., OCTOBER 15  
9:30 A.M.**

**INSPECTION:** Wednesday, October 14  
9:00 A.M. to 4:00 P.M. & Morning of Sale

**BUYER'S PREMIUM: 15% ONSITE • 18% ON-LINE**



NADCAP METALLIZING BOOTH

Sale Conducted By:

**PLANT & MACHINERY INC.**

AUCTIONEERS • APPRAISERS • LIQUIDATORS • REAL ESTATE

MO Lic.#?????

HOUSTON • DALLAS • ST. LOUIS

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# AUCTION

**AUCTION: THURSDAY,  
OCTOBER 15 • 9:30 A.M.**

**2005**



**INSPECTION:**  
Wednesday,  
October 14  
9:00 A.M. to  
4:00 P.M.  
& Morning  
of Sale



**CNC**

**DANOBAT 41" X 157" CNC CYLINDRICAL GRINDER**



## INTELLECTUAL PROPERTY & PRODUCTION LINE

**INTELLECTUAL PROPERTY AND PRODUCTION LINE** to include the name "St. Louis Metallizing", website – [www.stlmetallizing.com](http://www.stlmetallizing.com) – and content with email address, phone, fax, five year customer list with details and five year supplier information.

**1999**

**CNC**

**SHIGIYA 21" X 86" CNC CYLINDRICAL GRINDER**

## CNC CYLINDRICAL GRINDERS

**DANOBAT MDL. G91-4000-B3**, new 2005, Siemens 810D CNC control, 41.3" sw. over bed, 157.5" btwn., centers, 5,513-lb. unsupported cap., 11,025-lbs. w/steadyrests, "B" axis wheel head swivel:  $\pm 30$  deg., dual wheel arrangement, 30" x 4" x 12" max. wheel size, 22 kW, workhead spds.: 12–300 RPM, touch probe system, brake-wheel, tailstock, and tbl. mtd. dressers, touch probe, (2) 2-pt. steadyrests, Balance Systems Mdl. VM24 auto. balancer, provision for in-process gauging, full enclosure, asst. wheel flanges, S/N 100269.

**SHIGIYA MDL. GP-55B-220ND2**, new 1999, Fanuc 18T CNC control, 21.7" max. swing, 86.1" btwn. centers, 2,200-lbs. btwn. centers, 24" x 5" x 12" max. wheel size, 20 HP, Marposs Mdl. E78 auto. wheel balancing system, 2-pt. steadyrest, brakewheel dressing unit, assorted wheel flanges, S/N 020194.

**DANOBAT MDL. HG-71-1600-B1**, new 2006, Siemens 840D CNC control, 17.71" grinding dia., 63" grinding length, 1,540-lb. wt. btwn. centers, 0–30 deg. programmable wheel head swivel, workhead spds.: 25–600 RPM, 24" x 3" x 12" max. wheel size, 15 kW, 2-pt. steadyrest, 15" dia. magnetic chuck, 12" dia. 3-jaw chuck, faceplate, swing-around internal grinding attach., touch probe, Marposs Mdl. E82 wheel balancing system, in-process gauging system, full enclosure, asst. wheel flanges S/N 100248.

**2006**



**CNC**

**DANOBAT MDL HG-71-B1 CNC CYLINDRICAL GRINDER**



**BUTLER NEWALL CNC GAP-BED CYLINDRICAL GRINDER**



**24" X 216" LANDIS PLAIN CYLINDRICAL GRINDER**



**20" X 120" TOYODA PLAIN CYLINDRICAL GRINDER**



**ABB 6-AXIS ROBOTIC BALL POLISHING UNIT**



**HEALD MDL 273A UNIVERSAL INTERNAL GRINDER**

## CNC GAP BED GRINDER

**BUTLER NEWALL MDL. GBC**, new 1987, retrofitted 2011 by CNC Engineering w/Fanuc Oi-T CNC control, 26" sw. over tbl., 110" sw. in gap, 60" (closed)/96" (open) dist. btwn. centers, 72" wheel head carriage travel, ±12 deg. wheel head swivel, ±3 deg. tbl. swivel, 3" x 30" x 12" grinding wheel size, variable spndl. spds.: 500–1,500 RPM, variable headstock spds.: 8–100 RPM, 40 HP wheel head spndl. motor, 7-1/2 HP work spndl. motor, coolant system w/GMSI coolant filter, (2) 2-pt. steadyrests, bolt-on internal grinding attach. w/spndl., wheel balancing arbor, 32" dia. 4-jaw chuck, PC based operator interface, S/N GB4070.

## PLAIN CYLINDRICAL GRINDERS

**LANDIS 24" X 216"**, re-scraped and rebuilt in 2005, variable spd. workhead, 36" dia. x 5" max. wheel size, (3) 2-pt. steadyrests, DC variable spndl. tbl. drive, S/N 19660.

**(4) TOYOTA 21.65" X 126" MDL. GS55-320**, 3,310-lb. btwn. centers, 30" x 3" x 12" grinding wheel size, 15 HP, workhead spds.: 10–200 RPM, 2–157 IPM tbl. spds., auto. infeed, plunge grinding, 2-pt. steadyrests, tbl. mtd. wheel dresser, balancing stand and arbor, assorted grinding wheels w/mtd. collets, wheel lifting bracket, w/large assortment of interchangeable print roll bearing block assemblies and cradle rest, S/N TG1059-1, S/N TG1199-1, S/N TG1436-1, S/N TG1616-1.

## HYDRAULIC SURFACE GRINDERS

**HANGZHOU MACHINE TOOL WORKS 12"W. X 60"L.**, Servo driven digital downfeed system, adj. cross feed, electro-magnetic chuck, 12" x 1" wheel, S/N 0743.

**OKAMOTO MDL. 124N**, 12" x 24" electromagnetic chuck, incremental downfeed, over-the-wheel dresser, S/N 7703.

## INTERNAL GRINDERS

**(2) HEALD MDL. 273A**, 24.5" sw. over tbl., 16" grinding stroke, 0–500 RPM workhead speeds, 10,000 RPM grinding spndl., 5 HP variable spd. wheel head, 16" perm. magnetic chuck, rotating turret stop, swing-down dresser, S/N 42372, S/N 43286 w/12" dia. 4-jaw independent chuck.

**HEALD MDL. 72A**, 15.5" sw. over tbl., 18" grind stroke, 8,500 RPM grinding spndl., 54" bridge extension, 16" perm. magnetic chuck on swivel workhead, swing-down dresser, S/N 13427.

**(5) HEALD "REDHEAD" GRINDING SPINDLES**: 6,000 RPM extended length, 7,500 RPM, 8,500 RPM, 12,500 RPM, 11,000 RPM, 3,500 RPM extended length.

## BALL VALVE REBUILD EQUIPMENT

**CUSTOM BALL VALVE TURNING FIXTURE**, for rough grinding of oilfield ball valves to 38", currently configured for the Poreba TPK-90 engine lathe.

**ABB MDL. IRB6400/M97A 6-AXIS ROBOTIC BALL VALVE POLISHING SYSTEM**, new 1998, quick change end effector, assorted polishing heads for ball valve polishing, S/N 64-06722.

## GRINDING SHOP ACCESSORIES

**SUPERFINA TYPE 139 SUPER FINISHING ATTACHMENT** w/accessories, S/N 3290; **DYNABRADE VIRTUBRADE POST MOUNTED SUPER FINISHING BELT SANDER**; **DYNABRADE AIR OPERATED BELT SANDERS**; **DYNABRADE TOOLPOST BELT SANDERS** of various sizes; **ABRASIVE BELTS**; **FIXTURE PLATES**; **LIVE AND DEAD CENTERS**.

**BUYER'S PREMIUM: 15% ONSITE  
18% ON-LINE**



**2012**  
**LIVE TOOLING**

**CNC**

**GANESH 44" X 240" CNC LATHE**



**2011**

**CNC**

**HAAS DS-30Y 5-AXIS CNC LATHE**



**CNC**

**CLAUSING COLCHESTER COMBI 4000 CNC LATHE**



**CNC**

**CINCINNATI MILACRON MDL 20VC-2000 4-AXIS VMC**

**FLAT BED CNC LATHES**

**GANESH MDL. GT-44240CNC**, new 11/2012, Fanuc Series Oi-TD CNC control, 44" sw. over bed, 27.6" sw. over crossslide, 240" dist. btwn. centers, 12-pos. vert. turret w/ live tooling, C-axis spndl., spndl. spds.: 6-500 RPM in (4) ranges, 6" spndl. hole, 37 kW main spndl. drive motor, assorted straight and right angle live tool holders, chip conveyor, full enclosure, S/N 12104-353.

**CLAUSING COLCHESTER COMBI 4000**, new 1999, Fanuc Series 210i-T CNC control with teach mode, 21" sw. over bed, 14.5" sw. over crossslide, 80" btwn. centers, 4.1" spndl. hole, 1,800 RPM, 11 kW spndl. motor, full enclosure, sliding control console, electronic hand wheels, steadyrest, S/N E50039.

**SLANT BED CNC LATHES**

**HAAS MDL. DS-30Y 5-AXIS**, new 2011, 31.5" sw. over apron, 20.7" sw. over crossslide, 18" max. cutting dia., 23" turning lgth., 2" bar cap., 4,000 RPM, 30 HP main spndl., 20 HP sub spndl., C-axis main and sub, 12-station turret, 8" dia. 3-jaw hyd. chuck, tool presetter, live tooling, sub-spndl. w/collet chuck, chip conveyor, Haas Servobar 300 electronic barfeed, 6' magazine, S/N 3088155.

**NAKAMURA-TOME MDL. SLANT 4B CNC TURNING CENTER**, Fanuc 15T CNC control, 33.8" sw. over bed, 18.3" turning dia., 60" dist. btwn. centers, 3.23" bar. cap., 2,500 RPM, 20 HP, 12" hyd. chuck, 10-station vert. turret w/VDI style holders, steadyrest, bed mount, S/N 044505.

**CNC VERTICAL MACHINING CENTER**

**CINCINNATI MILACRON MDL. 20VC-2000 4-AXIS**, Acramatic 950 CNC control, CAT-50 taper, 30-pos. ATC, extended length sub-plate, 4th axis rotary tbl. w/tailstock, S/N 90-4200568-1.

**VERTICAL TURRET LATHE**

**BULLARD SPIRAL DRIVE 42"**, 45" sw. to side head, 5-pos. vert. turret, side head, built-in 4-jaw chuck, snl. motor drive system, assorted toolholders, S/N 17702.

**BANDSAWS**

**AMADA MDL. HA250W AUTOMATIC HORIZONTAL**, new 3/2012, 10" rd. cap., digital programmable infeed system, 1-1/4" blade, 10 x 12 max. cap. rect., dual vises, S/N 65030058.

**ELLIS MDL. 1200 PORTABLE HORIZONTAL**, 8" rd. cap., 8" x 12" rect. cap., mitering capability, portable stand.

**W.F. WELLS MDL. L9 HORIZONTAL**, coolant base, 9" rd. cap., S/N 1722648.

**DOALL METALMASTER VERT. STRIYCO BANDSAW BLADE WELDER**, on fabricated stand.



**BULLARD 42" SPIRAL DRIVE VERT. TURRET LATHE**

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**35" X 196" POREBA GAP BED ENGINE LATHE**



**34" X 120" MAZAK ENGINE LATHE**

### ENGINE LATHES

**POREBA 35.5" X 196" MDL. TPK90/5000 GAP BED**, new 2002, 49" sw. in gap, 16.7" lgth. of gap, 25.5" sw. over crossslide, 3-3/4" spndl. hole, spds.: 10–1,000 RPM, 30 HP, taper attach., (3) roller jaw steady-rests, 2-axis D.R.O., pwr. compound, inch/metric thdng., rapid traverse, 31-1/2" dia. 4-jaw chuck, S/N 1179-446.

**MAZAK 34" X 120" GAP BED**, 46" sw. in gap, 14" lgth. of gap, 24.75" sw. over crossslide, 4.1" spndl. bore, spds.: 12–1,200 RPM, 20 HP, taper attach., (2) steadyrests, Heidenhain 2-axis D.R.O., rapid traverse, retrofit variable spd. drive, 25" dia. 4-jaw chuck, S/N 47588W.

**HWACHEON 25" X 118" MDL. HL25X118**, 16.14" sw. over crossslide, 3" spndl. bore, spds.: 27–1,205 RPM, 15 HP, 2-axis D.R.O., inch/metric thdng., steadyrest, rapid traverse, 16" dia. 4-jaw chuck, S/N 261404.

**HWACHEON 24" X 120" MDL. 24S-120**, 16.14" sw. over crossslide, 3" spndl. bore, spds.: 27–1,205 RPM, 15 HP, inch/metric thdng., steadyrest, rapid traverse, S/N 3-8710-6301.

**(3) MORI SEIKI 24" X 78" MDL. MH2000**, 16" sw. over crossslide, 2.1" spndl. bore, spds.: 27–1,205 RPM, 10 HP, inch/metric thdng., S/N 1739 w/steadyrest, S/N 2580 and S/N 2008 w/(2) steadyrests, 16" dia. 4-jaw chuck.

**CLAUSING COLCHESTER 21" X 120"**, 3-1/2" spndl. hole, spds.: 18–1,800 RPM, inch/metric thdng., carriage mtd. spndl. controls, pwr. rapid traverse, roller jaw steadyrest, S/N MS0269/267.



**21" X 120" CLAUSING COLCHESTER ENGINE LATHE**

### TOOLROOM MACHINERY

**LAGUN "DELUXE" VERT. TURRET MILL**, 11" x 58" tbl., 3-axis pwr. feeds, variable spd. spndl., Sony 2-axis D.R.O., hardened and ground ways, S/N N.A.

**TOA 3' X 9" MDL. TRD-800C RADIAL ARM DRILL**, spds.: 84–1,384 RPM, plain box tbl., pwr. elevation.

**BUEHLER ABRASIVE CUT-OFF SAW**, full enclosure, Catalog No. 101030, S/N N.A.

**WILLEY'S MDL. 30 CARBIDE TOOL GRINDER**, cast iron stand, tilt tbl.

**POWERMATIC 15" MDL. 1150 PEDESTAL DRILL PRESS**, variable spd., S/N 215V32.



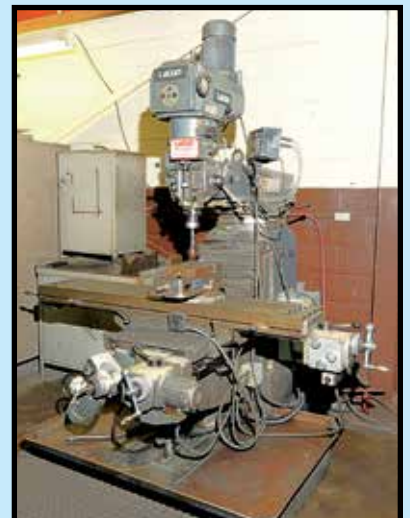
**24" X 120" HWACHEON ENGINE LATHE**



**AMADA HA250W AUTO. HORIZ. BANDSAW**



**VIEW OF TOOLROOM EQUIPMENT**

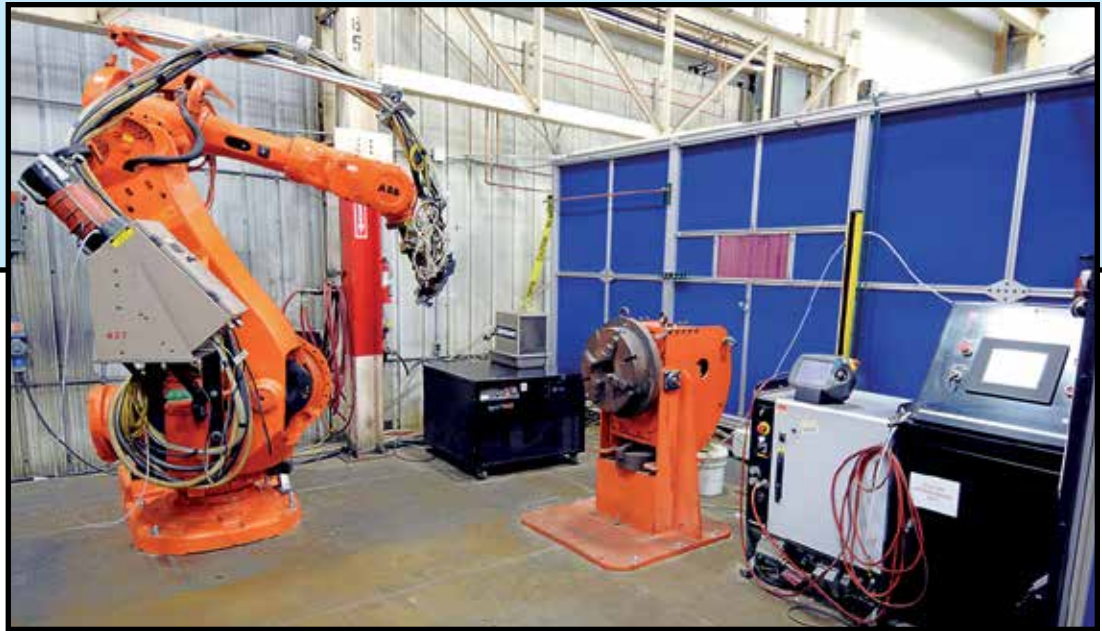


**LAGUN "DELUXE" VERT. TURRET MILL**

**AUCTION:  
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**LASER  
CLADDING  
SYSTEM**

**NUVONYX COHERENT MDL.  
ISL-4000L LASER HEAD,  
S/N 015739/1, AVB Mdl.  
IRC5-M2004 6-axis robot,  
ABB Mdl. MTC2000 tilting  
positioner, S/N 0805-265,  
22" rd. platen, 18" dia. 4-jaw  
chuck, Opti-Temp chiller unit,  
Nuvonyx CO2 laser, full  
enclosure unit.**



**METALLIZING BOOTHS & SYSTEMS**



**NADCAP CERTIFIED THERMAL SPRAY  
BOOTH**, approx. 16' x 8'W. x 12'H. sound/  
dust proof enclosure, Gorbelt 1 T. articulate jib  
crane, ABB Mdl. IRB4600M2004 6-axis robot,  
new 2011, built-in vert. metallizing lathe, 32"  
dia. 4-jaw chuck, approx. 132" dist. btwn.  
centers, ballscrew tailstock drive, approx. 26"  
x 72" horizontal metallizing lathe, tailstock,  
24" dia. horizontal metallizing tbl., Metco  
9MC plasma flame spray metallizing system,  
9MCD distribution unit, Metco 9MP closed  
loop powder feed unit, Metco Mdl. 9MR plas-  
ma pwr. supply unit, 1,100 amps, 100% duty  
cycle, 80 v. DC, Metco mdl. 9MB gun, Metco  
Diamond-Jet DJC HVOF system, Metco Mdl.  
9MP-DJ closed loop powder feed unit, DJC-  
2600 hybrid gun, Hyperchill chiller system,  
Torit Donaldson mdl. DFO3-24, cartridge  
style dust collector, approx. 3,000 CFM cap.,  
24-cartridge, 15 HP motor, dual drop bottom  
design, on fabricated stand, S/N 2668203-1.



# METALLIZING BOOTHS & SYSTEMS



**CUSTOM TRAVELING ROBOT METALLIZING BOOTH #276:** Gisholt hollow spndl. positioning headstock, 80" swing, 9-1/2" through hole spndl., 24" dia. 4-jaw chuck, rail mtd. tailstock, 30' max. dist. btwn. centers, ABB IRB4600-M2004 robot new 2011, Foundry Plus protection, 6-axis, mtd. to an ABB travelling robot platform w/approx. 7 meter programmable travel, Metco 7M style plasma powder thermal spray system w/9M meters, Metco 9MP closed loop powder feed unit, Metco 9MB gun, Metco 9MP HVOF powder spray system, Metco 9MP-DJ closed loop powder feed unit, Thermach wire arc spray system, w/Thermach Mdl. AT-400EAS pwr. supply.



**CUSTOM METALLIZING BOOTH #279,** enclosed sound proof/dust proof booth, Mazak 34" x 120" positioner, ABB Mdl. IRB4600M2004 robot, new 2011, Stellite Jet Coat Nova IIA HVOF metallizing system w/update to Jet Coat III, Jet Coat powder feeder, JK-3000 aluminum gun, Stellite controlled temp. heat exchanger.

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**CUSTOM METALLIZING BOOTH #572,** enclosed sound proof/dust proof booth, ABB Mdl. IRB2400M2000 6-axis robot, new 2000, rotating window unit w/multi-spndl. fixtures, Metco 9MC plasma control unit, Metco 9MP closed loop powder feed unit, Metco 9MB plasma gun, Metco 9MP-DJ closed loop powder feed unit, Metco 9MR plasma spray pwr. supply unit, *(note: this booth was used for base coat/top coat applications).*



**CUSTOM METALLIZING BOOTH #286,** enclosed sound proof/dust proof booth, ABB Mdl. IRB 4600 6-axis robot, production booth w/swing-away sample tbl., rotating window unit w/ multi-spndl. fixtures,, Metco Diamond- Jet HVOF metallizing system w/9MP-DJ closed loop powder feeder, DJ-2600 hybrid gun, light curtain safety device, CCTV inspection unit.

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# METALLIZING BOOTHS & SYSTEMS



**CUSTOM METALLIZING BOOTH #410**, ABB Mdl. IRB6400M98 6-axis robot, Metco 7MC plasma flame control unit w/9MC flow meters, Metco 9MP closed loop powder feed unit, Metco mdl. 9MB gun, Metco 7MR-230 pwr. supply unit, 80 v. DC, 1,100 amp, 100% duty cycle.

**CUSTOM METALLIZING BOOTH #275**: enclosed sound proof/dust proof booth, Monarch 27-1/2" sw. x 96" centers positioner, H.D. travelling front carriage, 24" dia. V/S removable horiz. rotary tbl., ABB Mdl. IRB4600M2004 6-axis robot, new 2011, Stellite Jet Coat II-E Nova HVOF metallizing coating system w/Praxair powder feeder, JK-3000 aluminum gun, heat exchanger system.



**CUSTOM METALLIZING**



**CUSTOM METALLIZING BOOTH #414**: enclosed sound Rockford engine lathe positioner, 80" dist. btwn. centers, 18" swing, front mtd. H.D. travelling torch holder, horiz. metallizing booth w/dual 22" variable spd. rotary tbls. and gas preheaters, Stellite Jet-Koke II Nova D HVOF thermal spray system w/Thermach Mdl. AT1200HPHV powder feeder and JK-3000 SS gun, Metco 7MC plasma flame spray control system converted to 9MC flow meters, 9MP closed loop powder feed unit, Metco mdl. 9MB gun, Metco 7MR-230 pwr. supply unit, 80 v. DC, 1,100 amp, 100% duty cycle.



**PLASMA SYSTEM & POSITIONER**



**JET-KOTE SYSTEM**



**SHOT PEENING SYSTEM**

**CUSTOM METALLIZING AND SHOT PEENING BOOTH #415**: combined sound/dust proof thermal spray/blast booth, pwr. positioning headstock, approx. 84" max. swing, approx. 20' dist. btwn. centers w/rail mtd. tail-stock, ABB IRB6400M98 6-axis robot, new 2010, Thermach wire arc spray system, w/Thermach Mdl. AT-400EAS pwr. supply, custom shot peening system w/Clemco Classic 150 blast pot, 3-layer Midwestern Industries shaker screen, bucket elevator, vacuum return unit, Zero Products Pulse Jet dust collector, swing-away sample platter.

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# METALLIZING BOOTHS & SYSTEMS



**CUSTOM METALLIZING BOOTH #451:** enclosed sound proof/dust proof booth, rotating window unit w/multi-spndl. fixtures, ABB Mdl. IRB2400-0885 6-axis robot, Thermach Mdl. AT400EAS dual wire thermal spray system w/AT400EAS pwr. supply, Metco KM835 combustion gun w/mechanical wire feed, Metco 6C auto. control unit, 6P2 powder gun, Metco 9MP closed loop powder feed unit for thermal/plasma spray.



**GTV HVOF METALLIZING SYSTEM**



<  
**THERMACH MDL. AT400EAS WIRE ARC SPRAY SYSTEM**



>  
**TAF A MDL. 1264AWL POWDER FEEDERS**

**2 AVAILABLE**

## MISCELLANEOUS METALLIZING EQUIPMENT

**GTV PORTABLE HVOF MDL. HVOF-901-1X SPRAY SYSTEM,** Siemens control panel, will run Jet-Coat or Diamond-Jet HVOF metallizing guns, w/water booster pump system.

**THERMACH MDL. AT400 EAS WIRE ARC SPRAY SYSTEM,** stand-alone metallizing unit, Mdl. AT400EAS wire feed, Mdl. AT400EAS pwr. supply w/gun on roller cart.

**TAF A MDL. 8835 ARC SPRAY SYSTEM,** stand-alone metallizing system, w/motorized gun.

**(2) TAF A MDL. 1264AWL POWDER FEEDERS,** touchscreen controls, pinch valve assembly, on roller carts.

**(2) CUSTOM THERMAL SPRAY OVERLAY FIXTURES,** headstock, 3-jaw chuck, tailstock, approx. 55" max. dist. btwn. centers, approx. 20" sw., on heavy fabricated roller stand.

**(9) METCO COMBUSTION METAL SPRAY GUNS,** including (5) Mdl. 12E, and (2) Mdl. 25P.

## CUSTOM NITROGEN PART COOLING SYSTEM

**HUGE QTY. OF REPAIR PARTS** for metallizing guns for Metco, Jetcoat, Tafa, Thermach and others.



**HUGE ASSORTMENT OF METALLIZING WIRE**



**METCO COMBINATION METALLIZING GUNS**



**HUGE ASSORTMENT OF METALLIZING POWDERS**

**UNUSED**



### ROCHELLE SALT STRIPPING SYSTEM

**UNUSED CUSTOM SYSTEM FOR AIRCRAFT LANDING GEAR**, 33"W. x 24"L. x 50"D. corrosion resistant tank w/reservoir, valves, pump and cartridge filters, **28"W. x 38"L. x 30"D. STRIPPING TANK**, w/immersion heaters and solution reservoir, **ALDONEX MDL. T-412-10CRF-CCV RECTIFIER**, 1,000 AMP, 0-12 v., 12 kW.



**UNUSED**

### WATERJET STRIPPING UNIT

**CUSTOM BUILT, 3-STATION, LARGE ENCLOSURE**: ABB Mdl. 6400 S-4 6-axis positioning robot, 16"W. x 11"D. x 6'H. enclosure, Aronson approx. 2,000-lb. cap. 2-axis positioner, 30" dia. rd. platen, 24" dia. 4-jaw chuck, tailstock assembly, wash basket, **MEDIUM ENCLOSURE**: 66"W. x 72"D. x 78"H., 42" dia. V/S rotating tbl., ABB 6-axis robotic positioner with water-jet head, **SMALL ENCLOSURE**: 37"W. x 37"D. x 32"H. cabinet, 24" dia. V/S rotating tbl., ABB 6-axis positioning robot w/water-jet stripping head, **INTENSIFIER**: Jet-Edge Mdl. 55-150, 55,000 PSI intensifier pump, S/N 12624.



**MED. AND SMALL ROBOTIC WATER STRIPPING SYSTEMS**



**JET EDGE INTENSIFIER**

### PULSEJET STRIPPING UNIT

**VLN ADVANCED TECHNOLOGIES MDL. RFM-2000 PISTON STYLE HIGH-PRESSURE PUSLEJET 75 HP PUMP**, 5,000-10,000 PSI, PulseJet stripping head and related lines.



### BLAST BOOTH

**HOFFMAN BLAST BOOTH**, 11'-6"W. x 22'L. x 6'H. internal dims., dbl. end door design, blast hood, Cleco dual pot blast center w/recirculating shot system, magnetic separator, bucket elevator, twin booth recovery screws.



**CUSTOM ROBOTIC BLAST SYSTEM**



**EMPIRE ROBOTIC BLAST SYSTEM**

### ROBOTIC BLAST SYSTEMS

**ZERO PRODUCTS MDL. BNPA200-1**, 6-station rotary carousel blast unit w/recirculating shot system and Empire Superblast blast pot, Arcmelt Mdl. JF3 cyclone collection unit, Arcmelt Mdl. SLC-4 self-contained dust collection unit, ABB Mdl. IRB2000-43339 6-axis robot, Empire 36" x 36" x 36" manual blast unit w/blast pot, S/N 47165.

**CUSTOM AUTO. PART HANDLING**, approx. 36" x 30" x 30" cabinet, Trinco Mdl. 850RC/PC-3.0 blast system w/blast pot and recirculation tower, ABB IRB2400M94A 6-axis robot w/blast head.

**CUSTOM EMPIRE BLAST CABINET**, w/18" pwr. rotary tbl., Profinish Mdl. DCM-200 Empire recirculating shot system w/blast pot and recirculation, ABB Mdl. IRB3000M93A 6-axis robot w/blast head.

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# AUCTION

**AUCTION: THURSDAY,  
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## FREE STANDING BLAST SYSTEMS

**EMPIRE MDL. DCM-80A**, blast pot and recirculation unit, on portable stand, S/N C-23356.

**CYCLONE 24" X 36" X 18" GLOVE BOX**, dust collector, recirculating shot system.

**VACU-BLAST ABRASIVE BLAST SYSTEM**, blast pot, vacuum recovery, roller cart.

**(2) CUSTOM BLAST PEENING CABINETS FOR CRANKSHAFTS**, (1) 162" overall length, 30" dia., rubber lip seal for blast head, (1) 92" overall length, 28" dia., rubber lip seal for blast head.



**8  
AVAILABLE**

**TORIT-DONALDSON CARTRIDGE DUST COLLECTORS**

## CARTRIDGE DUST COLLECTORS

**TORIT DONALDSON MDL. T3-36**, 10,000 CFM cap., 36-cartridge, 30 HP squirrel cage booster fan, S/N T9381880-01.

**TORIT DONALDSON MDL. DFT4-32**, 7,000 CFM cap., 32-cartridge, on fabricated stand, S/N IG398990-001.

**TORIT DONALDSON**, 5,000 CFM cap., 18-cartridge.

**(3) TORIT DONALDSON MDL. DFT4-32**, 5,000 CFM cap., S/N IG596243-001, S/N's N.A.

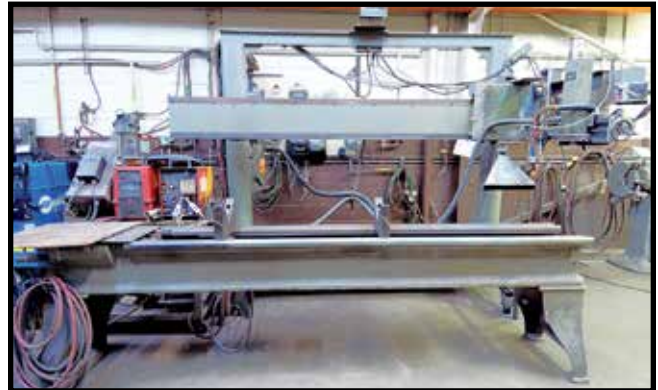
**TORIT DONALDSON**, 5,000 CFM cap., 32-cartridge.

**One more collector to come....**

**BUYER'S PREMIUM: 15% ONSITE • 18% ON-LINE**



**GROUP VIEW OF WELDERS AND MILLER STRESS RELIEVING SYSTEMS**



**CUSTOM SIDE BEAM WELDING SYSTEM**

## WELDING EQUIPMENT

**JETLINE SIDE BEAM WELDING SYSTEM**, 96" max. weld length, variable spd. carriage controls, adj. ht. bridge, mtd. Eutectic Castolyn Mdl. GAP weld overlay unit, part no. IR-79051, wire feeder unit, Miller powder feeder system, S/N AEC00E6.

**ARONSON MDL. HD20B-PTVR2 WELDING POSITIONER**, approx. 2,000-lb. cap. @ 6" L.C., adj. ht. base, 36" sq. platen, 24" dia. 4-jaw chuck, foot pedal control, S/N 75453.

**PANDJIRIS APPROX. 2,500-LB. WELDING POSITIONER**, 30" sq. platen, foot pedal control.

**TELEDYNE READCO APPROX. 500-LB. CAP. MDL. POS WELDING POSITIONER**, 18" dia. rd. platen, bench mtd., S/N 105470.



**PANDJIRIS  
WELDING POSITIONER**



**ARONSON  
WELDING POSITIONER**

## WELDING MACHINES

**MILLER SYNCROWAVE MDL. 250DX TIG WELDER**, 250 amps @ 26 v., 60% duty cycle, TIG runner, chiller base running gear, foot pedal, torch, S/N LB165857.

**ESAB MIG WELDER: DETAILS TO COME....**

**LINCOLN IDEALARC MDL. DC600 WELDER**, multi-process switch, 600 amps @ 44 v., 100% duty cycle, welding leads, roller stand, S/N U197011053.

**LINCOLN MDL. AC-225-S ARC WELDER**, 225 amps @ 25 v., snl. phase input, on portable stand.

**WIDE ASSORTMENT OF WELDING WIRE; TIG WIRE; ASSORTED WELDING ELECTRODES.**

**KEEF MDL. K500 ROD OVEN**, 500 watt, S/N 129108.



**MILLER SYNCRO-WAVE  
250DX TIG WELDER**



# AUCTION

**AUCTION: THURS., OCTOBER 15 • 9:30 A.M.**

**INSPECTION:** Wednesday, October 14, 9:00 A.M. to 4:00 P.M. & Morning of Sale

At the Premises of  
**ST. LOUIS  
METALLIZING COMPANY**  
4123 Sarpy Avenue  
**ST. LOUIS, MISSOURI 63110**  
*(See Directions on Back Page)*



**BOX-TYPE STRESS RELIEVING FURNACE**

## INDUCTION HEATING EQUIPMENT

(2) **MILLER INTELLIFIRE 250 INDUCTION HEATING POWER SOURCES**, TIG runner base, assorted leads, S/N LC471615, S/N LC622782.

**BOX STRESS RELIEVING TEMPERING FURNACE**, 24"W. x 28"H. x 132"L., multiple electrode inputs; **MANNINGS 75 KVA POWER SUPPLY UNIT**.



**OBERLIN COOLANT FILTRATION SYSTEM**

## CENTRAL COOLANT SYSTEMS

**OBERLIN PRESSURE FILTER MDL. OPF-7**, new 2002, paper filter media, PLC controls, S/N 462MD.

**OBERLIN MDL. OPF-07 PRESSURE FILTER COOLANT SYSTEM**, S/N 462-MD, new 2002, w/reservoir and paper filter system.

## FURNACES & OVENS

**CRESS ELECTRIC FURNACE MDL. C30-FHWC CABINET FURNACE**, up to 2,200 deg. F. max. temp., digital temp. controllers, 24"W. x 24"D. x 30"H. internal dims., elec. fired, S/N 3804.

**DESPATCH MDL. V-23HD FURNACE**, 37" x 19" x 25" working dims., 240 deg. to 650 deg. operating temp., elec. fired, 12 kW, digital temp. controls, chart recorder, S/N 123019.

**DESPATCH MDL. LDB2-28 ELECTRIC OVEN**, 2-door, 36" x 36" x 24" interior dims., 400 deg. F. max. temp., on fabricated stand, S/N 98214.



**CRESS CABINET FURNACE**



**OBERLIN COOLANT FILTRATION SYSTEM**

## DEGREASING SYSTEM

**DETREX MDL. IS-800 ELECTRIC**, size 10-40, degreasing tank, solvent recovery unit, ventilation system, roller doors, approx. 8'D. x 10'W. x 40'L., S/N 71456.

## FUME COLLECTORS

**FARR ZEPHER MDL. 2 FUME COLLECTOR**, collector base, articulating boom.

(4) **UAS MDL. VP-750 PORTABLE MIST AND FUME COLLECTOR**, new 2005, articulating collection boom, S/N 60059221, S/N 60059222, S/N 60059223, S/N 60059224.

**TEPCO PORTABLE MIST AND FUME COLLECTOR**.

**TRION ROLL-AWAY MIST AND DUST COLLECTOR**, dust collection tube; roller base.

## PROXY BIDS

If you cannot attend this sale we will bid on your behalf. Contact Houston office at (713) 691-4401 for instructions, or go to our website at [www.pmi-auction.com](http://www.pmi-auction.com).

**On-Site Bidding in St. Louis, Missouri  
or Bid Via Webcast at**

**BidSpotter.com**



## FLUORESCENT PENETRANT INSPECTION LINE

(3) WASH STATIONS, alkaline clean bath, completely enclosed area, blacklight and natural light inspections.



## METALLURGICAL LABORATORY

**INSTRON MDL. 4204 TENSILE TESTER**, w/precise digital controller, S/N H0014.

**STRUERS, DURAMIN MICRO HARDNESS TESTER**, w/video output.

**MICROTRAC PARTICLE SIZE ANALYZER**, MDL. S3500, w/sample delivery controller.

**OLYMPUS MDL.PMG-3 METALLOGRAPH**, w/color view ccd. camera, polaroid back.

**LEICA MDL. EZ4D BINOCULAR MICROSCOPE**.

**STRUERS SECOTOM-10 SAMPLE CUT-OFF SAW**.

**STRUERS UNIFORMSE SAMPLE PRESS**.

**STRUERS TEGRAPOL-21 SAMPLE POLISHER**, w/Tegradoser-5 solution system.

**POLISHING TOWER**, 20 station,.

**THELCO LABORATORY OVEN MDL. 6555**, S/N 605-933-263.

**SPECTRONICS CORPORATION RADIOMETER**.

**LECO MDL. PR10 SAMPLE MOUNTING PRESS**.

**STRUERS CITOVAC VACUUM AND IMPREGNATION UNIT**.

**ANTONIK HARDNESS TESTER**, standard.

**VARIOUS HAND INSTRUMENTS**, incl. Omega DPG 4000 series, compression meter, bench micrometer, several fluke, test meters, gage block sets, Posi-test adhesion tester.

**AUCTIONEER'S NOTE: This laboratory will be offered both individually and in bulk.**



## COORDINATE MEASURING MACHINE

**MITUTOYO MDL. B706**, Renishaw PH1 tilting probe system, Geomeasure 3000 software, 28" X, 24" Y and 18" Z-axis travels, .0005 mm resolution, 35.43" x 50.39" tbl., 1,100-lb. max. workpiece load, S/N A9010578.

## PRECISION INSTRUMENTS

**HUGE ASSORTMENT OF STARRETT MICROMETERS** up to 42"; **MANY STARRETT MICROMETER SETS** from 6" to 1"; **WIDE ARRAY OF STANDARD GAUGE DIAL GAUGES; PRECISION LEVELS; I.D. MICROMETERS; DEPTH MICROMETERS; GAUGE BLOCK SETS; DIGITAL CALIPERS; RING GAUGES; MICROMETER STANDARDS; MICROMETER SETS** from 1" to 12" and 6" to 12", in cases; **BLADE MICROMETERS; DIAL INDICATORS; FISH TAPE; 48" SCRAPPED PARALLEL; 72" X 96" X 14" THK. GRANITE SURFACE PLATE**, dbl. ledge, on fabricated steel stand; **DYER MDL. 335-004 SNAP GAUGE; MICROMETER STANDARDS; WIDE ASSORTMENT OF RING GAUGES.**



ASSORTED DIAL SNAP GAGES



ASSORTED MICROMETERS

**BUYER'S PREMIUM:**  
**15% ONSITE**  
**18% ON-LINE**



# AUCTION

**INSPECTION:** Wednesday,  
October 14, 9:00 A.M. to 4:00 P.M.  
& Morning of Sale

**On-Site Bidding in St. Louis, Missouri  
or Bid Via Webcast at [BidSpotter.com](http://BidSpotter.com)**

## MISCELLANEOUS SHOP & WAREHOUSE EQUIPMENT

3-JAW AND 4-JAW CHUCKS; STEADYREST; ANGLE PLATES; ABB MDL. IRB6400M99 ROBOT, 6-axis (out of service), DOUBLE DOOR FLAME PROOF CABINET; SEVERAL PORTA-COOL MDL. PAC2K482S LARGE CAP. PORTABLE COOLING UNIT w/48" dia. fan; QUIETCOOL PORTABLE COOLING UNIT w/water unit and approx. 36" dia. fan, ELECTRIC TRANSFORMERS; JUSTRITE 2-DOOR FLAMMABLE STORAGE CABINET; PORTA-COOL MDL. PAC2K24HPVS 24" FAN w/pump unit; TRINCO 24" X 30" X 18" GLOVE BOX BLAST CABINET w/Torit dust collector; EMPIRE MDL. CAB3636R 36" X 36" X 36" GLOVE BOX BLAST CABINET w/blast collection unit, S/N C5298; GREENLEE MDL. 1818 CONDUIT BENDER w/assorted dies; GREENLEE MDL. 885 PORTABLE HYDRAULIC BENDER, 1-1/4" to 5", w/assorted dies and pwr. unit, in steel case; MASTER CHEMICAL SUMP SUCKER, LP gas pwr.; JUST-RITE 2-DOOR FLAMMABLE STORAGE CABINET; (2) OXY. FUEL TORCH AND CART SETS w/gauges; ELECTRIC DRILLS up to 1/2"; ALORIS QUICKCHANGE TOOLPOSTS AND HOLDERS; V BLOCKS; SKF MDL. TIH120 INDUCTION BEARING HEATER UNIT; SKF MDL. TIH025 INDUCTION BEARING HEATER UNIT; (2) BENCH POLISHING LATHES; JUST-RITE 2-DOOR FLAMMABLE LIQUID STORAGE CABINET; LYON H.D. 2-DOOR STEEL STORAGE CABINETS; ROLLER CARTS w/V rests; ROLL STORAGE STANDS w/wooden V blocks, heavy fabricated construction; PORTABLE HYDRAULIC PUMPS; GEAR PULLER SETS of all sizes; HAND TOOLS; RATCHETS; 24" X 36" T-SLOTTED CAST IRON SUB-PLATE; 24" X 24" X 12" CAST IRON T-SLOTTED ANGLE PLATE; (2) PALMGREN 8" H.D. MILLING VISES; BOSCH 12" ABRASIVE CUT-OFF SAW; SEVERAL STRONG-HOLD H.D. METAL STORAGE CABINETS; COLLET CHUCKS; FIXTURING EQUIPMENT; HOLD-DOWN EQUIPMENT; 24" LAPPING PLATE; HUGE QTY. OF LIVE CENTERS, large dia., heavy cap.; SHOP VACUUMS; 27"W. X 120"L. CAST IRON T-SLOTTED LAYOUT TABLE; NEEDLE SCALERS; STRAIGHT GRINDERS; RIGHT ANGLE GRINDERS; DRILLS; RIGHT ANGLE RATCHET ATTACHMENTS.



METALLIZING GUN REPAIR PARTS



SKF BEARING HEATERS



LARGE QUANTITY OF MRO ITEMS



GREENLEE  
CONDUIT BENDER



VIEW OF FORKLIFTS

## FORKLIFTS

**CATERPILLAR MDL. GP40K**, LPG, 6,750-lb. cap. @ 24" L.C., 3-stage mast, 187" max. lift, side shift, pwr. forks, outdoor cushion tires, S/N AT29C00607.

**CLARK MDL. EC50080 ELECTRIC**, 8,000-lb. cap. @ 24" L.C., 3-stage mast, 188" max. lift, side shift, cushion tires, 48 v. w/charger, S/N E685-0236-8957FB.

**CLARK MDL. TM20 ELECTRIC**, 3,225-lb. cap. @ 24" L.C., 188" max. lift, 42" forks, side shift, w/charger.

**HYSTER 2,620-LB. CAP. MDL. E30BS ELECTRIC**, 36 v., 42"L. forks, triple stage mast, w/charger, S/N B114V-03577A.



ATLAS COPCO ROTARY SCREW  
AIR COMPRESSOR

## ROTARY SCREW AIR COMPRESSORS

(2) **ATLAS COPCO MDL. GA90-FF**, new 2000, 148 PSI max. working pressure, 139 HP drive motor, fully enclosed nose enclosure, skid mtd., air cooled, S/N AIF.066259, S/N AIF.066236.

## AIR RECEIVER TANKS

(2) **SILVEN INDUSTRIES VERT. STANDING**, new 2000 and 2002, 650 gal. cap., pressure relief valve, one is horizontally mounted on fabricated frame.

2000

2 AVAILABLE



**10-TON OVERHEAD BRIDGE CRANES**

**OVERHEAD BRIDGE CRANES**

- KRANCO 20 T. X APPROX. 45' SPAN**, approx. 20' ht. under hook, top running, dbl. girder, pendant control, AC pwrd., center drive.
- KRANCO 10 T. X APPROX. 60' SPAN**, approx. 18' ht. under hook, dbl. girder, top running, pendant control, center drive, S/N 10205.
- P&H 10 T. X APPROX. 60' SPAN**, approx. 18' ht. under hook, dbl. girder, top running, dbl. end drive, AC pwrd., pendant control, S/N CE26638.
- ABELL-HOWE 10 T. X APPROX. 45' SPAN**, top running, underhung hoist, P&H Hevi-Lift hoist, center drive, AC pwrd., pendant control.
- ABELL-HOWE 5 T. X APPROX. 45' SPAN**, approx. 20' ht. under hook, snlg. girder, center drive, AC pwrd., P&H Hevi-Lift underhung hoist, pendant control.
- CRANE AMERICA SERVICES 5 T. X APPROX. 45'**, snlg. girder, top running, underhung hoist, AC pwrd., center drives, pendant control.
- SHANNAHAN CRANE AND HOIST 2 T.**, top running, under hung hoist, P&H Hevi-Lift 2 T. cap. elec. wire rope hoist, pendant control, manual trolley motion, center drive bridge.



**ABELL-HOWE 3 T. FREE STANDING JIB CRANE**

**JIB CRANES**

- ABELL-HOWE 3 T. X APPROX. 12' REACH FREE STANDING**, P&H 3 T. cap. wire rope elec. hoist w/pendant control.
- ABELL-HOWE 1 T. X APPROX. 14' REACH FREE STANDING**, approx. 8' under hook, P&H 1 T. cap. wire rope hoist w/pendant control.
- (3) ABELL-HOWE 1/4 T. X APPROX. 12' REACH FREE STANDING**, approx. 8' ht. under hook, P&H 1/4 T. cap. wire rope hoist w/pendant control.
- (9) ABELL-HOWE 1 T. X APPROX. 10' REACH COLUMN MOUNTED**, P&H Ziplift 1 T. cap. wire rope hoist w/pendant control.
- (2) SHANNAHAN CRANE AND HOIST 1/4 T. X APPROX. 12' REACH COLUMN MOUNTED**, P&H 1/4 T. cap. wire rope hoist w/pendant control.



**SIMON ARTICULATE BOOM TYPE MANLIFT**

**MISCELLANEOUS ROLLING STOCK**

- SIMON AERIAL MDL. 32/21 ARTICULATED BOOM TYPE MANLIFT**, 32' max. platform ht., battery pwrd., S/N N.A.
- FACTORY CAT MDL. 29 WALK BEHIND FLOOR SCRUBBER**, battery charger, S/N N.A. .
- PRIME MOVER 4,500-LB. CAP. MDL. MPX. ELECTRIC PALLET JACK**, 24 v. DC, w/charger, S/N PMX0028205002.
- SEVERAL B.T. LIFTER HYDRAULIC MANUAL PALLET JACKS.**



**ABELL-HOWE 1 T. COLUMN-MOUNT JIB CRANE**

**9 AVAILABLE**

**MATERIAL HANDLING EQUIPMENT**

- ECONOLIFT 48" X 48" ELECTRIC SCISSOR LIFT**; (15) **INTERLAKE TIER DROP STYLE PALLET RACK SECTIONS** w/96" and 120" cross beams, 18' uprights, (2) **CALDWELL 3 T. CAP. 60" SPREADER BARS** w/twin hooks; **CALDWELL 3 T. CAP. 48" SPREADER BAR**; **SEVERAL 1-1/2 CU. YD. SELF-DUMPING HOPPERS**; **ROURA 1 CU. YD. SELF-DUMPING HOPPER**; **CHAINS**; **SLINGS**; **CLEVISSES**; **EYEBOLTS**; **HOOKS**; **MANUAL PALLET JACK**; **BARREL DOLLY**; (2) **MARCAL ROPE AND RIGGING 2 T. X 48" SPREADER BARS**; **BANDING CART.**



**< HIGH QUALITY PALLET RACKING**

At the Premises of  
**ST. LOUIS METALLIZING COMPANY**  
 4123 Sarpy Ave., **ST. LOUIS, MO 63110**  
*(See Directions on Back Page)*

**AUCTION: THURSDAY, OCTOBER 15**  
**9:30 A.M.**

**PLANT & MACHINERY INC.**  
AUCTIONEERS • APPRAISERS • LIQUIDATORS • REAL ESTATE

P.O. Box 19100  
Houston, TX 77224-9100

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**PUBLIC INVITED**

**AUCTION: THURSDAY, OCT. 15 • 9:30 A.M.**



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**DANOBAT MDL HG-71-B1  
CNC CYLINDRICAL GRINDER**

Missouri

**DIRECTIONS**

**FROM LAMBERT-ST. LOUIS INTERNATIONAL AIRPORT:** Exit airport using I-70 E towards St. Louis. Merge onto I-170 S via Exit 238A toward Clayton and proceed approx. 7.5 miles. Merge onto I-64 E/US-40 E towards St. Louis and proceed approx. 5 miles. Take the Tower Grove Avenue Exit #36B toward Boyle Avenue and keep left at the fork in the ramp. Take the second exit onto Tower Grove Avenue and turn slightly right onto Papin Street. Take a left onto S. Boyle Avenue and turn right onto Sarpy Avenue. Proceed to auction site on the left, 4123 Sarpy Avenue, St. Louis, Missouri 63110. Watch for auction signs.

**LODGING**

- HOME2 SUITES BY HILTON**.....(314) 531-4446  
920 S. Taylor Avenue, St. Louis, Missouri 63110
- THE PARKWAY HOTEL**.....(314) 256-7777  
4550 Forest Park Avenue, St. Louis, Missouri 63108
- HOLIDAY INN EXPRESS**.....(877) 410-6681  
4630 Lindell Blvd., St. Louis, Missouri 63108

**UNABLE TO ATTEND?**

Bid on-line in real time at **BidSpotter.com**  
**TO PARTICIPATE YOU MUST:**

1. Register at [www.BidSpotter.com](http://www.BidSpotter.com). Use the link to BidSpotter on PMI's website calendar. **DO IT NOW.**
2. Either send wire transfer, or, overnight delivery service a cashier's check deposit in the amount of **\$3,000 (U.S. Bidders) or \$10,000 (Foreign Bidders)** to:  
**Plant & Machinery Inc.**  
1304 Langham Creek Drive, Suite 454, Houston, TX 77084  
Wire transfer instructions can be found at [pmi-auction.com](http://pmi-auction.com)  
**You must be registered and have your deposit in the hands of Plant & Machinery, Inc. at least 24 hours prior to the start of the auction. Failure to register and/or failure to send your deposit to Plant & Machinery, Inc. may disqualify you from bidding. DON'T WAIT.**

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A 15% Buyer's Premium Will Apply On-site.  
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Everything will be sold to the highest bidder or bidders for cash in accordance with the auctioneer's Customary Terms of Sale, copies of which will be posted on the premises.

**ALL PAYMENTS MUST BE MADE BY CASH, CASHIER'S CHECK, WIRE TRANSFER OR COMPANY CHECK WITH BANK LETTER GUARANTEEING PAYMENT TO PLANT & MACHINERY INC.**

Here is an example of what your letter should be: *Mr. "Customer Name" is a customer of this bank. This bank will guarantee unqualified payment to PMI on the account listed herein up to the amount of \$\_\_\_\_\_. This letter is good until November 16, 2015.*

In default of payment of bills in full within the time therein specified, the Auctioneer in addition to all other remedies allowed by law, may retain all monies received as deposit or otherwise, as liquidated damages. All items must be removed by the time announced at the start of the sale.

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The buyer acknowledges that he or an agent has inspected all of the assets upon which he will be bidding and/or does purchase.

Buyer agrees to accept assets purchased **"AS IS," WITH "ALL FAULTS" AND "WITH REMOVAL AT BUYER'S RISK AND EXPENSE."** THE AUCTIONEER EXPRESSLY DISCLAIMS ON THE PART

**OF THE AUCTIONEER AS AGENT AND THE SELLER, ANY WARRANTY AS TO FITNESS OR USABILITY OF ALL THE ASSETS, AND THE BUYER EXPRESSLY WAIVES ANY CLAIM IN RESPECT TO ANY POSSIBLE FUTURE USE OF ANY ASSET PURCHASED FOR ANY PURPOSE WHATSOEVER.**

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These terms and conditions may be modified or supplemented by language in the catalog available at the sale site or by announcement at the start of the sale. Bidders should be attentive to those announcements and to the catalog language.