

Lot Number	Quantity	Description	Notes
1	1	Marsh model R 1" stencil machine. Serial number 43806	
2	1	Kurt 3600V Machine Vise, 6" w/Jaws, s/n: 032892 inv:23/507	
3	1	Loctite Bond-A-Matic 3000 Dispenser, air pressure regulated, includes metal cart	
4	1	2018 Miller Filtair 130 Portable Fume Extractor Serial Number MJ415087D, SKU# 300595, Air Flow 132 CFM, Size: 23"H x 12"W x 12"W, 115V Single Phase, 46 Lbs, Includes hose & 120V power cord.	
5	1	(2) 4-drawer heavy duty ball bearing drawer cabinets bolted together with butcher block top approximate 30 x 28 x 33 inches each, block top approximate 30 x 60 x 1-3/4 inches. Includes cat40 tool holder and contents of cabinets to include: files, machine bolts, allen wrenches. hold downs, t-slot bolts, washers, nuts, hold down clamps, steel and threaded rods as shown	
6	1	5-drawer heavy duty ball bearing drawer cabinet, approximate 30 x 28 x 33 inches	
7	1	4-drawer heavy duty ball bearing drawer cabinet, approximate 30 x 28 x 33 inches	
8	1	Stanley Vidmar 2-drawer heavy duty ball bearing drawer cabinet, approximate 30 x 28 x 33 inches	
9	1	Stanley Vidmar 2-drawer heavy duty ball bearing drawer cabinet, approximate 30 x 28 x 33 inches	
10	1	This auction has a 15% buyers premium on all lots (18% if paying with a credit card up to \$2,000 max). You will pay 15% for the full hammer price of every lot. If you have questions or comments please direct them to info@framfram.com.	
11	1	We are happy to package and ship small item. We use FedEx but are happy to use your account if available. You must pay for your items before we will begin the shipping process. Shipping charges can be paid with a credit card. We are happy to band your items onto a pallet for LTL shipping. The cost will vary based on the item. Plan on \$75 for something easy and \$250 or more if a custom pallet has to be built. We can help coordinate riggers and truckers. Just ask. Please contact Ryan Olson with any shipping or removal related questions. Ryan@framfram.com or 612-563-3726 Buyers are purchasing everything "as-is" "where-is" shipping is offered as an option for winning bidders. Fram Fram assumes no liability for anything lost or damaged during shipping.	
12	1	RIGGING INFO: Minneapolis Location: Small items have been consolidated to the Minneapolis location. Items at this location can be hand loaded at no charge. For larger items there is an optional loading fee for each lot. Other Locations: Items at other locations will require a rigger for loading. We have published a price but you are free to use any rigger that meets our insurance requirements. (\$1M general liability, site address on certificate) MINNEAPOLIS CHECKOUT SCHEDULED BY APPOINTMENT: Friday, November 20, 11am to 4pm Saturday, November 21, 9am to 11am Monday, November 23, 9am to 2pm ALL OTHER LOCATIONS: BY APPOINTMENT ONLY We would like as much removed before Thanksgiving as possible. We will coordinate with buyers to try to coordinate riggers together as much as possible. If you are an older adult or a person of any age who has serious underlying medical conditions that may be at higher risk for more serious complications from COVID-19 please do not show up for checkout. Everything must be removed during our checkout period. If you cannot comply, do not bid. No refunds will be given if you do not comply with these terms. Shipping will be available where applicable, we can also band items to a pallet and load on local delivery truck for a nominal charge. We can also ship by package carrier. The number of buyers onsite will be limited. This is why you must have an appointment for checkout. Groups of up to 2 people per buyer are allowed, if you plan on bringing more help please let us know before you show up. Only people helping in removal will be allowed onsite. Curbside checkout is available. Please email us at info@framfram.com at the time you make your appointment if you want your items left outside the building for self loading. If you are feeling sick or have any known exposure to anyone with COVID19 do not participate in this auction.	

13	1	Previews: Please use common sense. If you are not feeling well do not show up. There are multiple locations for this auction. Most machinery can be inspected under power at all locations except Minneapolis where we consolidated all the small items. Preview at the Minneapolis, Minnesota location will be Wednesday, November 18 from 10-4 or by appointment. Preview at all other locations is by appointment only. We will do our best to accommodate your schedule. Please contract us to set up a preview slot by emailing info@framfram.com or calling us at 612-564-3726. Please email info@framfram.com with questions. Masks are required at all sites. If you are an older adult or a person of any age who has serious underlying medical conditions that may be at higher risk for more serious complications from COVID-19 please do not attend this preview.	
14	1	Mitutoyo 0-12" No. 192-605 Digital Height Gage	
15	1	Mitutoyo 12" No.192-150 dial height gage .001	
16	1	Mitutoyo dial height gage	
17	1	Mitutoyo digital height gage	
18	1	Mitutoyo 0-24" No. 192-507 Digital height gage	
19	1	Mitutoyo No. 192-112 dial indicator height gage .001-18"	
20	1	Mitutoyo 0-18" No. 192-606 Digital Height gage	
21	1	Fowler Trimos 40 inch Digital Height Gage Make: Trimos Model: TV1000 Serial Number 286 Granite surface plate 40 inch capacity Voltage 120V AC Includes the setting block, various accessories and literature.	
22	1	Starrett Weber Gauge Block Set, .1001 to 4.000, Steel Grade 2	
23	1	Starrett Weber Gauge Block Set, .1001 to 4.000, Steel Grade 2	
24	1	Starrett Weber Gauge Block Set, .1001 to 4.000, Steel Grade 2	
25	1	Starrett Weber Gauge Block Set, .1001 to 4.000, Steel Grade 2	
26	1	DoAll Gauge Block Set, .100 to 4.00, Steel Grade 2	
27	1	(3) Browne and Sharpe BesTest jeweled indicators, .0001, .001 inch and .002mm	
28	1	(3) Browne and Sharpe BesTest jeweled indicators, .0001, .0005	
29	1	(3) Browne and Sharpe BesTest jeweled indicators, .00005, .0001, .001	
30	1	(3) Browne and Sharpe BesTest jeweled indicators, .00005, .0001, .001	
31	1	Mitutoyo dial caliper, no. 505-673, .02mm increments, 300mm range, shock proof	
32	1	Mitutoyo Digital Caliper, code no. 551-341-10, model no. CDN-P12"PMX, serial no. 0001482, Absolute Coolant Proof IP67, 12 inch 300mm range .0001 inch .01mm increments	
33	1	All items must be paid for by November 23. Wire Transfer information will be included with your invoice. Credit cards are accepted up to \$2,000 with a 3% fee. Cash, Certified Checks, cashiers check & money orders are acceptable. All items must be paid in full before any removal or shipping services.	
34	1	Assorted HSS drills, end mills	
35	1	Assorted ESS End Mills, including Fullerton, Guhring, Nachi, & more	

36	1	Large lot of assorted taps including Guhring, Balax, Greenfield, Widia, Nachi, & more	
37	1	Approx.(45) Assorted Solid Carbide Endmills	
38	1	Assorted Mitsubishi, Kennametal carbide inserts	
39	1	Assorted Tool-Flo, Mitsubishi, Sumitomo, carbide inserts	
40	1	Assorted Mitsubishi, Ellsworth, Crowley, Iscar, carbide inserts	
41	1	Assorted Circle, Seco, Crowley, Sandvik, carbide inserts	
42	1	Make: Kemac Type: Top Load Cabinet Parts Washers Serial Number: 101635 Material: Stainless Steel Heater included Hours: 3760 Indicated Hours Capacity: 30" Turntable x 16" Max Part Height Includes: Belt Type Oil Skimmer, 30" Stainless Turntable Basket, Digital Programable Skimmer Timer Main Motor: 2HP 208-230/460 3PH Unit is portable on casters. Overall Dimensions: 47"x54"x54" We have quoted \$25 for a basic lift and load of this machine on a mutually agreeable date. For questions or more information please contact Tim at 612-564-3726. You are free to use any rigger that meets our insurance requirements.	
43	1	Make: Kemac Type: Top Load Cabinet Parts Washers Serial Number: 101628 Material: Stainless Steel Heater Included Hours: 5061 Indicated Hours Capacity: 30" Turntable x 16" Max Part Height Includes: Belt Type Oil Skimmer, 30" Stainless Turntable Basket Main Motor: 2HP 208-230/460 3PH Unit is portable on casters. Overall Dimensions: 47"x54"x54" We have quoted \$25 for a basic lift and load of this machine on a mutually agreeable date. For questions or more information please contact Tim at 612-564-3726. You are free to use any rigger that meets our insurance requirements.	
44	1	Harrington 1 Ton Pneumatic Hoist	
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47	1	Harrington 1 Ton Pneumatic Hoist	
48	1	Make: Driessen Type Type: Airline Service Trolley Weight: 45.1 lbs Capacity: 160 lbs Dimensions: 15-1/8" x 24" x 37" There is not a model or serial number plate on these carts Shelves are Aluminum Brakes: Red pedal applies brakes, green pedal releases brakes Condition is unused. Color: Blue Wheels: Four fully castoring wheels with brakes Lock: Can be locked and secured with small padlock These trolleys have never been used. They are identical to a Driessen Model TM055001. Only of of the carts had this tag on them but they are identical. The cart you will receive has never been used, there may be some scratches from moving them around but nothing major. They were purchased and never put into trains. There is no tag on these, so I'm not sure they can go on a plane, but they make really cool portable bars and people have done other really cool things.	
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52	1	Granite surface plate 24"x24" with stand We have quoted \$20 for a basic lift and load of this machine on a mutually agreeable date. For questions or more information please contact Tim at 612-564-3726. You are free to use any rigger that meets our insurance requirements.	
53	1	Tru-Stone Corp Granite surface plate, Grade A, 24"x24" on stand, s/n: 15557 We have quoted \$20 for a basic lift and load of this machine on a mutually agreeable date. For questions or more information please contact Tim at 612-564-3726. You are free to use any rigger that meets our insurance requirements.	
54	1	Granite surface plate 24"x24"	
55	1	Granite Surface plate 24"24"	
56	1	Make: Donaldson Torit Model: DMC-01 Type: Dryflo Mist Collector Serial Number: 1G379586-1 Nominal Airflow: 2,000 CFM Number of Filters: 1 Filter Area: 220 HP: 7.5 Electrics: 230/460 3-PH Sound Level: 77 dB(A) Dimensions: 28.2" W x 28.9" D x 86.6" T Weight: approx 750 lbs Location: Minneapolis, MN 55418 We have quoted \$25 for a basic lift and load of this machine on a mutually agreeable date. For questions or more information please contact Tim at 612-564-3726. You are free to use any rigger that meets our insurance requirements.	
57	1	Make: Donaldson Torit Model: DMC-01 Type: Dryflo Mist Collector Serial Number: 1G379586-2 Nominal Airflow: 2,000 CFM Number of Filters: 1 Filter Area: 220 HP: 7.5 Electrics: 230/460 3-PH Sound Level: 77 dB(A) Dimensions: 28.2" W x 28.9" D x 86.6" T Weight: approx 750 lbs We have quoted \$25 for a basic lift and load of this machine on a mutually agreeable date. For questions or more information please contact Tim at 612-564-3726. You are free to use any rigger that meets our insurance requirements.	
58	1	INV 1575 Make: Walker Model: WMB-13 Part Number: 64-AXM12141 Serial Number: 117 Capacity 0-3000 LBS Length: 16.5" Width: 9" Height to crane hook: 22.5" Weight: 165 lbs Voltage 120V New Battery in 2019 but may require repair.	
59	1	Max Lift Table Scissor Lift / Turning Swivel Top Model: LPT3W 5,000 lb Cap. Pendant Control 48"x48" 1 1/2 HP Leeson Motor 230V 3 Phase 60 Hz s/n: DLPT-0413460 We have quoted \$25 for a basic lift and load of this machine on a mutually agreeable date. For questions or more information please contact Tim at 612-564-3726. You are free to use any rigger that meets our insurance requirements.	
60	1	Max Lift Table Scissor Lift / Turning Swivel Top Model: LPT3W-050 5,000 lb Cap. 48"x48" Turning Work Table Pendant Control 1 1/2 HP Leeson Motor 230V 3 Phase 60 Hz s/n: 04134161 We have quoted \$25 for a basic lift and load of this machine on a mutually agreeable date. For questions or more information please contact Tim at 612-564-3726. You are free to use any rigger that meets our insurance requirements.	

61	1	LEE Scissor Lift Table Model: L36-30-MOD 3,000 Lb Cap. 48"x48" Table 1 Phase 115V s/n: 76987-02 We have quoted \$25 for a basic lift and load of this machine on a mutually agreeable date. For questions or more information please contact Tim at 612-564-3726. You are free to use any rigger that meets our insurance requirements.	
62	1	Heavy Duty Rolling Adjustable Die Cart, 750 lb Cap.,	
63	1	Big Joe electric walk behind forklift, model RDCM-20-130, serial 361139, max capacity 2000 lbs, max lift 130 inches, truck type E, weight with battery 4,684 lbs, battery type E0583, voltage 24v, internal battery charger 120v, forks 48 inch, max between fork 16 inch, overall dimensions 112 x 36 x 84 inches	
64	1	Mitsubishi FG25 Fork Lift Truck, Serial Number AF178-05308. 5,000 lb Cap. LP Fuel, Solid Tires, 2-Stage, 7' Mast, Tilt, Side Shift, 48" Forks, 6421 Indicated Hours,	
65	1	Hyster H60XM Fork Lift Truck, Serial Number H177B53289B, 5,800 Rated Capacity. LP Fuel, Wide Carriage, 3-Stage, 181" Max height, 7' Mast, Tilt, Side Shift, Solid Tires, Dual Front, 48" Forks,	
66	1	Clark CGP 40 LP Forklift, s/n: CGP460L-079969450FB, Not In Service, 8,000 lb Cap. 64" Forks, Solid Tires, Dual Front, Wide Carriage, 188" Max Lift, 8' Mast, V6 Vortec Engine & Counter Weight Need To Be Reinstalled & Re-Assembled. Seller believes the necessary repairs have been made and it just requires reassembly. All parts included. We have quoted \$125 for a basic lift and load of this machine on a mutually agreeable date. For questions or more information please contact Tim at 612-564-3726. You are free to use any rigger that meets our insurance requirements.	
67	1	Bridgeport Model Series I-2HP Vertical Milling Machine, Serial Number: 220346, 9 x 42 inch T-Slotted Table, X-travel: 28", Y-travel: 12, Adjustable Knee, Variable Spindle Speeds 240 to 4200 RPM, R-8 spindle, Bridgeport Power Longitudinal Fee, Acu-rite 2-axis DRO, work light, one shot lubrication, collet holder and assorted collets, 3-phase Location: Minneapolis, MN 55418 We have quoted \$100 for a basic lift and load of this machine on a mutually agreeable date. For questions or more information please contact Tim at 612-564-3726. You are free to use any rigger that meets our insurance requirements.	
68	1	Yuasa 12 inch t-slotted rotary table, stock number 550-112 inv:42/140	
69	1	Monarch Model 14 Engine Lathe Serial Number: 40465 Swing Over Bed: 16.5" Distance Between Centers: 54" Spindle Speeds (16): 24 to 1000 RPM Diameter of Spindle Hole: 1-1/2" Inch Threads (66): 2 to 120 TPI Feeds (66): .0017 to .1031 IPR Motor HP: 7.5 Electrical: 230V/3PH Includes: Aloris CXA Tool Post & 7 Assorted Holders, Dual Axis Travadials, Taper Attachment, 4-Jaw Chuck, 3-Jaw Chuck, Face Plate, Jacobs Chuck and assorted tooling shown in photos. Overall Dimensions: _____ Estimated Weight: _____ Location: Coon Rapids, MN 55433 This machine requires an appointment for removal. R & R Rigging has quoted \$250 for a basic lift and load of this machine on a mutually agreeable date. For questions or more information please contact R&R at 651-457-0227. You are free to use any rigger that meets our insurance requirements.	
70	1	Dumore tool post grinder CAT 5-021, s/n: 8072 1999, 115V, 1/2 Hp, 15,500 rpm, 5T-300-00	
71	1	Themac precision grinder for lathe, 1 inch arbor spindle, 115V, 12A inv:19/207	

72	1	<p>Year: 2017 Make: Lucifer Series: 4055 Model: 42-V48X Type: General Purpose Recirculating Furnace Serial Number 8808 Chamber Dimensions: 36" H x 36"W x 48"D Overall Dimensions: 68"H x 51"W x 77"D KW: 54 Electrics: 230/460/3 Weight: approx 3600 lbs Temperature Controller: Eurotherm Nanodac Recorder/Controller Overtemp Controller: Honeywell UDC120L General purpose recirculating ovens for tempering, drawing, annealing and preheating steel, aluminum, glass and ceramics in air atmosphere. This model is equipped with a top mounted alloy fan assembly and stainless steel liner providing a horizontal air flow pattern and uniform temperature throughout the chamber. The liner directs the air flow and baffles the heating elements from the work area. This is a 4055 model it is a heavier duty units featuring 50 lbs./sq. ft. loading capacity, 6.5" of insulation on the walls, hard brick work surface, belt driven fan, and controls located in a side mounted control panel. All models are completely wired to N.E.C., assembled, test fired and shipped ready for connection to main power supply. Compact design, fast installation, and simple, safe, dependable operation. Standard Features • Welded sheet metal shell construction with structural reinforcement. • Heavy gauge coil wound low watt density heating elements for longer life. • Multi-layered energy efficient lightweight firebrick and mineral block insulation for maximum heat storage and minimum heat loss. • Elements mounted in easy-to-replace holders located on side walls for uniform temperature. • Stainless steel fan with motor and belt drive. • Stainless steel liner forms work area and directs air flow. • Hearth plate for load support and floor brick protection on Series 4055 models. • Safety micro-switch shuts off power to elements and fan when door opens. • Controls are side mounted in a separate NEMA 1 panel. We have quoted \$500 to remove the door and perform a basic lift and load of this machine on a mutually agreeable date. For questions or more information please contact Tim at 612-564-3726. You are free to use any rigger that meets our insurance requirements.</p>	
73	1	<p>2004 Kent Model KGS-306 D Hydraulic Surface Grinder Serial Number R040533-22 2-Axis Hydraulic Surface Grinder 12 x 24 inch Electromagnetic Chuck Coolant with Magnetic & paper Separator Approx overall Dimensions: 88 x 70 x 79 inches Weight: 4100 Lbs</p>	
74	1	<p>1999 Hydmech S-20A Series II Automatic Horizontal Band Saw Serial Number 80499634 Mitering 0 to 45° mitering Capacity at 90 deg: Rectangle: (H)13" x (W)18", Rounds: 13", Square: 13" Capacity at 45 Deg: Rectangle: (H)13" x (W) 10-3/4", Rounds: 12", Square: 12" Capacity at 30 Deg: Rectangle: (H)13" x (W)7-3/4", Rounds: 8-1/2", Square: 8-1/2" Work Load 5,000 lbs. Table Height 31" Blade: 1" x 162" Verify Dimensions: 93" x 86" x 52" Weight: 3800 Control: CNC (Hyd-Mech) Variable Blade Speed: 75-350 SFM Coolant Tank Capacity 12 US gal Power: 240V/3/60 3+2 HP FLA: 18 Weight 3,800 lbs Dimensions (w x l x h) 93" x 86" x 52" Location: Coon Rapids, MN 55433 This machine requires an appointment for removal. R & R Rigging has quoted \$250 for a basic lift and load of this machine on a mutually agreeable date. For questions or more information please contact R&R at 651-457-0227. You are free to use any rigger that meets our insurance requirements.</p>	
75	1	<p>Amada HAD-250W Automatic Band Saw, Serial Number 250-20166. Capacity: Round 10", Rectangle 10" x 14", Square: 10", Variable Blade Speed: 79-262 FPM, Max Table Load 3300 lbs, Blade Size: 1" x 0.037" x 11'6", Coolant Tank & Pump, Max Feed Stroke: 15.7", Amada Fully Automatic Controls, Power Infeed, Automatic Downfeed, Chip Conveyor, manuals, overall dimensions 74 x 80 x 62 inch and 1,500 lbs Location: Minneapolis, MN 55418 We have quoted \$100 for a basic lift and load of this machine on a mutually agreeable date. For questions or more information please contact Tim at 612-564-3726. You are free to use any rigger that meets our insurance requirements.</p>	
76	1	<p>1986 Boschert Model LB15 Notcher Serial Number 722 Dual Station Full Model: LB15KS8/32 Capacity 1/4 mild Steel 35 SPM @ 1" Stroke Table Size 31.5" x 41.5" Table Height 37.75" Electrics 220/440/3/60 Approximate Dimensions 44"L x 34"W x 52"H Approximate Weight 3,200 Lbs Electric Foot Switch Rear Punching Station Location: Coon Rapids, MN 55433 This machine requires an appointment for removal. R & R Rigging has quoted \$150 for a basic lift and load of this machine on a mutually agreeable date. For questions or more information please contact R&R at 651-457-0227. You are free to use any rigger that meets our insurance requirements.</p>	
77	1	<p>Trumpf Minipress 25 single station punch and punch sets, Type KST 25/500, serial 127, 480v 3-phase, max punch capacity 250kN, 20 inch throat, 25 x 31 inch t-slotted table, overall dimensions 50 x 50 x 54 inches, Includes cabinet 38 x 20 x 84 inches with contents of over 100 punch sets and assorted hardware</p>	

78	1	Rotex Model 18 Rotary Turret Punch Serial Number: n/a Range: (17) round 5/32 to 2 inch and (1) flat cutter Capacity: 2" Dia Hole in 14 Ga. Mild Steel Punch Stations: 18 Throat Depth: 18" Max Punch Size: 2" Includes: Punches as shown approximate 48 x 39 inch Production Table Overall Dimensions: 48 x 39 x 60 inches Approx. Weight 550 lbs We have quoted \$25 for a basic lift and load of this machine on a mutually agreeable date. For questions or more information please contact Tim at 612-564-3726. You are free to use any rigger that meets our insurance requirements.
79	1	Pexto 36" Powered Roll, Model number 390E, Serial number 6/55, capacity 16-18 soft steel, 2-1/2" x 36-1/2" rollers, on metal stand, 220V 3-phase, overall dimensions 56" x 24" x 55" We have quoted \$25 for a basic lift and load of this machine on a mutually agreeable date. For questions or more information please contact Tim at 612-564-3726. You are free to use any rigger that meets our insurance requirements.
80	1	Make: Davis Model: #4 Serial Number: 4-386 Motor: 2HP 220/440 3-PH Keyway Cutting Capacity in Steel: 1/16" to 3/4" Throat Depth (Face of Cutter to Arm Post): 15-1/4" Maximum Height of Work: 8" Maximum Length of Cut with 3/4" High Bushing Holder with 16" Long Cutter: 3" Maximum Length of Cut with 3/4" High Bushing Holder with 20" Long Cutter: 7" Table Size: 24-1/2" x 26-1/2" with (1) T-Slot Table Movement: 1-1/8" Stroke: 4-1/2" Strokes Per Minute: 48 Maximum Included Taper Per Foot Can Be Cut: 3" Overall Size: 32" x 42" x 42" High x 1,100 Lbs. We have quoted \$25 for a basic lift and load of this machine on a mutually agreeable date. For questions or more information please contact Tim at 612-564-3726. You are free to use any rigger that meets our insurance requirements.
81	1	OKK Model MH-3P Horizontal Milling Machine Serial Number 426-313 Table: 65" x 14" Longitudinal Travel: 39" Cross Travel: 12" Vertical Head Travel: 17" Spindle Taper: NMTB 50 (#50NS) Spindle Speeds: (12) 48-1600 RPM Power Longitudinal & Cross Feeds (12) 1/2 to 86-1/4 IPM Includes: Bolt on Vertical Head & Gear, Rapid Traverse, Dual Controls, Overarm, Turret Stops Motor: 7-1/2HP Voltage: 220/440 3-PH Approx Dimensions: 84" x 84" x 88" Location: New Hope, MN 55427 This machine requires an appointment for removal. R & R Rigging has quoted \$550 for a basic lift and load of this machine on a mutually agreeable date. For questions or more information please contact R&R at 651-457-0227. You are free to use any rigger that meets our insurance requirements.
82	1	ITW Mima Model HHP Semi Auto Stretch Wrapper Serial Number 16901 Travel Height: Roll Size: Pallet Turn Table: Includes: adjust able speed? Adjustable feed? Distance from Ground: Electrics: 110/60/1 Overall dimension approximate 48 x 108 x 96 inches Location: New Hope, MN 55427 This machine requires an appointment for removal. R & R Rigging has quoted \$250 for a basic lift and load of this machine on a mutually agreeable date. For questions or more information please contact R&R at 651-457-0227. You are free to use any rigger that meets our insurance requirements.
83	1	Reed A-21Cylindrical Die Thread Rolling Machine Includes parts list and literature. We have quoted \$50 for a basic lift and load of this machine on a mutually agreeable date. For questions or more information please contact Tim at 612-564-3726. You are free to use any rigger that meets our insurance requirements.
84	1	Make: Reed Model: A-21 Type: Cylindrical Die Thread Rolling Machine Serial Number: 65 Includes parts list and literature. We have quoted \$50 for a basic lift and load of this machine on a mutually agreeable date. For questions or more information please contact Tim at 612-564-3726. You are free to use any rigger that meets our insurance requirements.
85	1	Reid 6"x18" Manual Surface Grinder Model: 618HA O.S. Walker Ceremax Magnetic Chuck 1 HP 240 V Bijur Lube 3 Phase s/n: 15431 We have quoted \$50 for a basic lift and load of this machine on a mutually agreeable date. For questions or more information please contact Tim at 612-564-3726. You are free to use any rigger that meets our insurance requirements.
86	1	Rockford Drill Head Model VSQ150 Dual Head Drilling/Tapping Machine Serial Number 12-75-847 Number of Heads: 2 Stroke: Spindle HP: 2 72" x 17/1/2" Production Table, (2) Dual Spindle Heads, Includes: Dual Palm Buttons, Emergency Stop, Digital Controls Location: New Hope, MN 55427 This machine requires an appointment for removal. R & R Rigging has quoted \$400 for a basic lift and load of this machine on a mutually agreeable date. For questions or more information please contact R&R at 651-457-0227. You are free to use any rigger that meets our insurance requirements.

87	1	Leifeld Type D630E Metal Spinning Lathe, Serial Number 72271. 24" Swing Over Bed, 20" Between Centers, (3) Belted Speeds: 800-2400RPM, Hand Brake, 2HP 550 Volt 3-Phase Motor and Controls, Approx 75"x24"x50" Location: Minneapolis, MN 55418 We have quoted \$50 for a basic lift and load of this machine on a mutually agreeable date. For questions or more information please contact Tim at 612-564-3726. You are free to use any rigger that meets our insurance requirements.	
88	1	Gallmeyer & Livingston Co. Model15 Surface Grinder, Serial Number 15909. 6 x 18 inch magnetic chuck, x-travel 18 inch, y-travel 6 inch, z-travel 9 inch, wheel capacity 9 inch, belted speeds, 3-phase electric, overall dimensions 48 x 48 x 57 inches This machine requires an appointment for removal. R & R Rigging has quoted \$150 for a basic lift and load of this machine on a mutually agreeable date. For questions or more information please contact R&R at 651-457-0227. You are free to use any rigger that meets our insurance requirements.	
89	1	LeBlond No 1 Vintage Tool & Cutter Grinder, Universal, 5 x 28 inch t-slotted table, x-travel 10 inch, y-travel 6 inch, z-travel 8 inch, arbor 1-1/4 inch, wheel capacity 1 to 6 inch, 3-belted speeds: 3225, 4750, 6000 RPM, 3-phase electric, overall dimensions 33 x 33 x 50 inches This machine requires an appointment for removal. R & R Rigging has quoted \$150 for a basic lift and load of this machine on a mutually agreeable date. For questions or more information please contact R&R at 651-457-0227. You are free to use any rigger that meets our insurance requirements.	
90	1	Shop made tapping machine to include: Bridgeport series 1 2H.P. head, 3-phase, Steel surface 30 x 48 x 3/4 inch drilled and tapped, Wood machine square fab articulating arm model 62 serial 159, pneumatic die grinder and regulator, on 5 inch steel casters We have quoted \$50 for a basic lift and load of this machine on a mutually agreeable date. For questions or more information please contact Tim at 612-564-3726. You are free to use any rigger that meets our insurance requirements.	
91	1	1995 Acer 4VK CNC Vertical Milling Machine Serial Number 951005H. 3-Axis Machine. Milltronics Centurion 4 Control, 10" x 50" Table, 40 Taper Spindle, 34" X-Axis Travel, 16" Y-Axis Travel, 16" Vertical Knee Travel, 20" Ram Travel, 5" Quill Travel. Powered head travel option with DRO, power draw bar, Approx Dimensions: 60" x 69" x 84" Estimated Weight: 3500 lbs Spindle will be blocked, coolant drained and electric will be disconnected. This machine requires an appointment for removal. R & R Rigging is in the process of relocating this shop. If they are onsite they have quoted \$250. If they have to make a special trip it will cost more for a basic lift and load of this machine on a mutually agreeable date. For questions or more information please contact R&R at 651-457-0227. You are free to use any rigger that meets our insurance requirements.	
92	1	Bridgeport Series I-2HP 2-Axis CNC Vertical Milling Machine Serial Number 219198. Prototrak 2-Axis CNC Controls, 9 x 42 inch T-Slotted Table, X-travel: 28", Y-travel: 12, Adjustable Knee, Variable Spindle Speeds 240 to 4200 RPM, R-8 spindle, Bridgeport Power Longitudinal Feed, Acu-rite 2-axis DRO, work light, one shot lubrication, collet holder and assorted collets, 3-phase Location: Coon Rapids, MN 55433 This machine requires an appointment for removal. R & R Rigging has quoted \$250 for a basic lift and load of this machine on a mutually agreeable date. For questions or more information please contact R&R at 651-457-0227. You are free to use any rigger that meets our insurance requirements.	
93	1	Haas VF-6 Vertical Machining Center, Serial Number 12617. Table Size: 64" x 28", X Axis Travel: 64", Y Axis Travel: 32", Z Axis Travel: 30", BT40 Spindle, 20 Position Automatic Tool Changer, Coolant System, Programmable Coolant, Chip Auger, RS232, Remote Jog Handle, Macros, Rotation & Scaling, Rigid Tapping, 4th Axis Drive, BT Tool Holder package and all available Manuals. This machine requires an appointment for removal. R & R Rigging has quoted \$1800 for a basic lift and load of this machine on a mutually agreeable date. For questions or more information please contact R&R at 651-457-0227. You are free to use any rigger that meets our insurance requirements.	
94	1	Fadal Model 907-1 VMC 6030 Vertical Machining Center Serial Number: 9310984 X-Travel: 60" Y-Travel: 30" Z-Travel: 20" Table: 62.5" x 30" Control: Fadal CNC 88 HS Spindle RPM: 10,000 Has Rigid-Tap Spindle Taper: Cat 40 Tool Changer: 30 Position Bijur auto lube system Motor: 30/22.5hp 230 /460v 3ph 60hz Overall Dim. 13' 8"W x 9'L x 11'H (on 4"H blocks) Est. Wt. 17,000 lbs. Location: Coon Rapids, MN 55433 Spindle will be blocked, coolant drained and electric will be disconnected. This machine requires an appointment for removal. R & R Rigging has quoted \$1800 for a basic lift and load of this machine on a mutually agreeable date. For questions or more information please contact R&R at 651-457-0227. You are free to use any rigger that meets our insurance requirements.	

95	1	2006 Fadal Model VMC4020 HT Vertical Machining Center Serial Number 12006018548 X-Travel: 40" Y-Travel: 20" Z-Travel: 20" Table: 48" x 20" Includes Chip Conveyor System Control: Fadal CNC 88 HS Spindle RPM: 10,000 Has Rigid-Tap Spindle Taper: Cat 40 Tool Changer: 21 Position Bijur auto lube system Motor: 30/22.5hp 230/460v 3ph 60hz Overall Dim. 115" x 84" x 109" Est. Wt. 11,000 lbs Location: Coon Rapids, MN 55433 Spindle will be blocked, coolant drained and electric will be disconnected. This machine requires an appointment for removal. R & R Rigging has quoted \$650 for a basic lift and load of this machine on a mutually agreeable date. For questions or more information please contact R&R at 651-457-0227. You are free to use any rigger that meets our insurance requirements.
96	1	2000 Fadal Model VMC 4020 (906-1S) Vertical Machining Center Serial Number 0120000040552 X-Travel: 40" Y-Travel: 20" Z-Travel: 20" Table: 48" x 20" Includes Chip Conveyor System Control: Fadal Multi Processor CNC Spindle RPM: 10,000 Has Rigid-Tap Spindle Taper: Cat 40 Tool Changer: 21 Position Bijur auto lube system, Coolant Tank & Pump Motor: 30/22.5hp 230/460v 3ph 60hz Overall Dim. 115" x 84" x 109" Est. Wt. 11,000 lbs Fixtures on Table Not Included. Spindle will be blocked, coolant drained and electric will be disconnected. This machine requires an appointment for removal. R & R Rigging has quoted \$500 for a basic lift and load of this machine on a mutually agreeable date. For questions or more information please contact R&R at 651-457-0227. You are free to use any rigger that meets our insurance requirements.
97	1	1998 Fadal Model VMC 4020 (906-1) Vertical Machining Center Serial Number 9811980 X-Travel: 40" Y-Travel: 20" Z-Travel: 20" Table: 48" x 20" Includes Chip Conveyor System Control: Fadal Multi Processor CNC Spindle RPM: 10,000 Has Rigid-Tap 4th Axis Ready Spindle Taper: Cat 40 Tool Changer: 21 Position Bijur auto lube system, Coolant Tank & Pump Motor: 30/22.5hp 230/460v 3ph 60hz Overall Dim. 115" x 84" x 109" Est. Wt. 11,000 lbs Spindle will be blocked, coolant drained and electric will be disconnected. This machine requires an appointment for removal. R & R Rigging has quoted \$500 for a basic lift and load of this machine on a mutually agreeable date. For questions or more information please contact R&R at 651-457-0227. You are free to use any rigger that meets our insurance requirements.
98	1	1998 Enshu EV-650 Vertical Machining Center Serial Number 1266. ENAC (Yasnac i80M) CNC Control, Table Size: 25.6" X 78.7", Machine Travels (X/Y/Z): 63" x 25.6" x 26", Table Capacity: 3300 Lbs., Spindle Taper: Cat 50, Spindle Speeds: 6,000 Max RPM, 30 Station Side Mount Twin Arm Automatic Tool Changer, Chip Conveyor, Spindle Chiller, Spindle To Table Distance: 7.9" - 33.9", Spindle Center to Column Distance: 26.4", Spindle Drive: 20 HP, 230V 3-PH, Estimated Weight: 21000.00 lbs Approx Dimensions Length: 164.00" Width: 122.00" Height: 110.00" Spindle will be blocked, coolant drained and electric will be disconnected. This machine requires an appointment for removal. R & R Rigging is in the process of relocating this shop. If they are onsite they have quoted \$1200. If they have to make a special trip they have quoted \$2500 for a basic lift and load of this machine on a mutually agreeable date. For questions or more information please contact R&R at 651-457-0227. You are free to use any rigger that meets our insurance requirements.
99	1	Dahlih Dynacenter 1 Model DL-MCV40 Vertical Machining Center Serial Number: 40076. 4-Axis Machine. 50" x 18" T-Slotted Table, 27.5 X-Travel, 15" Y-Travel, 4000 Max Spindle RPM, Cat 40 Taper, 20 Position Side Mount Automatic Tool Changer, Fanuc 6M Controls, Includes Tsudakona 9" 4th Axis CNC Rotary Table Spindle will be blocked, coolant drained and electric will be disconnected. This machine requires an appointment for removal. R & R Rigging has quoted \$500 for a basic lift and load of this machine on a mutually agreeable date. For questions or more information please contact R&R at 651-457-0227. You are free to use any rigger that meets our insurance requirements.
100	1	EMCO CNC Concept Mill 55, s/n: F1F V00, mfg #: F1F S09 02, Mfg Year 2004, GE Fanuc Series 21 Control Specs: X - 7.41" Y - 5.46" Z - 7.41" Power 1 hp RPM 3,500 RPM # ATC 8 Table-W 5" Table-L 16" Taper SK30 # Axis 3 Dimensions 980L x 960W x 1000H mm Weight 220 (KGS) We have quoted \$25 for a basic lift and load of this machine on a mutually agreeable date. For questions or more information please contact Tim at 612-564-3726. You are free to use any rigger that meets our insurance requirements.

101	1	Hyundai Model HIT-15S CNC Turning Center Serial Number: 60Y6-508. CNC Chucker, 2-Axis, 10" Swing, 17" Machining Length, 2" Hole Thru Spindle, 8-Postilion Turret, HiTrol 840C EZ CNC Control, 4,500 RPM, Tool Presetter, 8" B208 Kitagawa 3-Jaw Chuck, Myfran Chip-Tote Chip Conveyor Coolant will be drained and electric will be disconnected. This machine requires an appointment for removal. R & R Rigging has quoted \$500 for a basic lift and load of this machine on a mutually agreeable date. For questions or more information please contact R&R at 651-457-0227. You are free to use any rigger that meets our insurance requirements.	
102	1	Fadal Model VH5C 4th Axis Rotary Table Serial Number 8890193 Faceplate Diameter 6.5" (165mm) Center Height 6.5" Swing Clearance 12.95" Thru-Hole Diameter 1.37" Spindle Nose A-6 Accuracy (arc sec.) +/- 15 Repeatability (arc sec.) 10 Brake Type PNEUMATIC Brake Torque (ft/lb) 150 Load Capacity 180 LBS Gear Ratio 90/1 Weight with Motor 170 LBS	
103	1	Fadal Model V300 Fourth Axis Rotary Table Serial Number 022006012602 Faceplate Diameter 11.8" (300mm) Center Height 8.5" Swing Clearance 16.95" Thru-Hole Diameter 3.03" Spindle Nose A-6 Overall Height 16.96" Overall Width 19.5" Overall Depth 20.5" Accuracy (arc sec.) +/- 15 Repeatability (arc sec.) 10 Brake Type Pneumatic Brake Torque (ft/lb) 720 Load Capacity 550 LBS Gear Ratio 180/1 Weight with Motor 622 LBS Location: Minneapolis, MN 55418	
104	1	Haas Servo Controller and 4th Axis Servo serial 3011 RS232 Ports, main servo connector, 120V Hass 4th Axis 360 degree 5 inch diameter faceplate	
105	1	Yuasa 4th Axis and controller model CPNC-100, serial 9410579, 4th axis stock no. CPCX-605, 5C collet spindle, O.D. threaded spindle	
106	1	High Performance Machine Hyperdex 360 precision heavy duty rotary indexer, 12 inch t-slotted faceplate, 2 inch through hole, dayton permanent magnetic DC motor 4Z525B, pendant control, tailstock	
107	1	4th axis unit, 8-5/8 inch diameter faceplate, TC221X/8-10642-35/92	
108	1	Haas Servo 4th axis controller, serial 980644	
109	1	(5) Heavy Duty Aluminum 20"x20" Tombstone base plates from a horizontal machining center, vise cluster tower bases, drilled and tapped	
110	5	(5) KAISER CAT 50 CNC Tool Holders, Twin Bore	
111	4	(4) KAISER CAT 50 CNC Tool Holders Boring Type	
112	4	(4) KAISER CAT 50 CNC Tool Holders Boring Type	
113	5	(5) KOMET CAT 50 CNC Tool Holders	
114	4	(4) KAISER CAT 50 Tool Holders, Boring Type, 11.331.660, RW 68, 314.605	
115	4	(4) KAISER CAT 50 Tool Holders, Boring Type, 11.331.660, RW 68, 314.605	
116	5	(5) CAT 50 CNC Tool Holders Boring Type, Kaiser, Drehzan Cutting Heads	
117	3	(3) Kennametal / Romicon CAT 50 CNC Boring Type Tool Holders	
118	6	(6) CAT 50 CNC Tool Holders Boring Type	
119	7	(7) KAISER CAT 50 Tool Holders, Boring Type, 11.331.660, RW 68, 314.605	
120	5	(5) CAT 50 CNC Tool Holders Boring Type, SECO-EPB, GRAFLEX	
121	5	(5) CAT 50 CNC Tool Holders Boring Type, SECO-EPB, GRAFLEX, Kaiser	
122	5	(5) CAT 50 CNC Tool Holders Boring Type, SECO-EPB, GRAFLEX, Kaiser	

123	5	(5) CAT 50 CNC Tool Holders Boring Type, Kaiser, Drehzan Cutting Heads	
124	6	(6) KOMET CAT 50 CNC Tool Holders	
125	6	(6) KOMET CAT 50 CNC Tool Holders	
126	6	(6) KOMET CAT 50 CNC Tool Holders	
127	6	(6) KOMET CAT 50 CNC Tool Holders	
128	5	(5) Assorted Universal CAT 50 CNC Tool Holders Boring Type	
129	4	(4) Kennametal Robicron CAT 50 CNC Tool Holders Boring Type S00829, 2K RPM	
130	3	(3) Kennametal / Romicron CAT 50 CNC Boring Type Tool Holders	
131	3	(3) Kennametal / Romicron CAT 50 CNC Boring Type Tool Holders	
132	3	(3) Kennametal Boring Type CAT 50 Tool Holders Including Models: Special SVS2B, Max 3000 RPM	
133	4	(4) Kennametal Boring Type CAT 50 Tool Holders Including Models: Special SVS2B, Max 3000 RPM	
134	4	(4) Kennametal Boring Type CAT 50 Tool Holders Including Models: Special SVS2B, Max 3000 RPM	
135	5	(5) Kennametal Boring Type CAT 50 Tool Holders Including Models: 10ZC-2765, Max 2000 RPM	
136	7	(7) Kennametal Boring Type CAT 50 Tool Holders Including: (2) AT-03004-04A, (5) 10ZC-2764, 2,000 Max RPM	
137	2	(2) CAT 50 CNC Tool Holders	
138	6	(6) Cat 50 CNC Tool Holders: Coromant Capto C6 Holders with Adjustable Boring Heads.	
139	7	(7) Cat 50 CNC Tool Holders Valenbite Vari-Set Adjustable Boring Heads + Extra Heads	
140	6	(6) Cat 50 CNC Tool Holders Valenbite Vari-Set Adjustable Boring Heads	
141	17	(17) Assorted Cat 50 CNC Tool Holders. (2) Komet Coolant Inducers, (3) Shell Mill Holders, (2) Flynn Adjustable Boring Bar Holders, (1) SwissBore Adjustable Boring Head, (3) Komet Adapters, (6) Assorted Boring Tools.	
142	1	Huot Tool Scoot CAT 50 Rolling Tool Holder Cart, 36 Caddy Inserts	
143	1	Big Bear CAT 50 Rolling Tool Cart, 20 Tool Inserts, Part #15	
144	1	Assorted Types & DA Collet Chucks w/Assorted Collets	
145	1	Assorted DA Collet Chucks, Acra Flex	
146	1	Assorted Schaublin CNC Collet Tool Holders, ER 16, DA Collet Chucks	
147	12	(12) Parlec, Nikken CAT 40 CNC Tool Holders, End Mill Type	
148	3	(3) Nikken CAT 40 CNC Tool Holders Tapping Z12-100U	
149	3	(3) TM Smith CAT 40 Tapping Tool Holders	
150	5	(5) Nikken CAT 40 CNC Shell Mill Tool Holders	

151	3	(3) Command CAT 40 CNC Tool Holders Collet Type w/Reamer, Counter Bore, End Mill	
152	7	(7) Parlec CAT 40, Assorted Types ER20 CNC Collet Tool Holders	
153	5	(5) NIKKEN CAT 40 CNC Tool Holders Face Mills, Shell Mill Holders	
154	8	(8) Nikken CAT 40 CNC Tool Holders End Mill Type	
155	9	(9) Nikken CAT 40 CNC Tool Holders, End Mill Type	
156	9	(9) Nikken CAT 40 CNC Tool Holders, End Mill Type	
157	1	Huot ToolScoot CAT 40 Rolling Tool Cart, 48 caddy's, (2) Shelves	
158	1	Nikken BT 40 CNC Tool Holder Spindle Speeder NX-5 w/ assorted SK Collets	
159	1	Sandvik Coromant BT 40 390.55-40 50 030 CNC Tool Holder w/ Renishaw MP 9 Probe	
160	4	(4) Assorted BT 40 Tecnara CNC Tool Holders,1.) Cushman 1/2" C13K-33JT Chuck, 1.) Albrecht 3/16 Chuck	
161	4	(4) Command BT40 CNC Tool Holders 3.) Tapping Heads, 1.) Jacob's JKP-109-J33 Chuck	
162	5	(5) Techniks BT 40 CNC ER Collet Tool Holders	
163	12	(12) Command, Nikken, Lyndex BT40 CNC Tool Holders, End Mill Type	
164	10	(10) Lyndex BT40 CNC Tool Holders End Mill Holders, B40S6-1000, WE 1/2-65,	
165	10	(10) Command BT40 CNC Tool Holders End Mill Holders	
166	6	(6) Techniks ER 25 BT 40 CNC Collet Tool Holders	
167	8	(8) Command BT 40 ER 16 Collet CNC Tool Holders	
168	8	(8) Command BT40 CNC Collet Toolholders	
169	1	1990 Cincinnati Model 2CC10 Mechanical Power Squaring Shear Serial Number: 46003 Capacity: 1/4" Cutting Length: 10' Control: Cincinnati Microcomputer Gage Controls Front Operated Programable Power Back Gage Distance Between Housings: 124 3/4" Back Gage Range: 0 - 36" Rake Taper: 1/4" per foot Strokes P/Minute: 60 Hydraulic Hold Downs: 13 Hydraulic Hold Down Force: 8 tons Distance Under Hold Downs: 1/2" Knife /Blade Size: 1" x 3" x 126" Throat: 4" Main Motor Horsepower: 15 HP 460/3/60 Approximate Overall Weight: 23,800 LBS Location: Coon Rapids, MN 55433 (plant 2) This machine requires an appointment for removal. R & R Rigging has quoted \$1200 for a basic lift and load of this machine on a mutually agreeable date. For questions or more information please contact R&R at 651-457-0227. You are free to use any rigger that meets our insurance requirements.	
170	1	1999 Accurshear 625010 Hydraulic Power Squaring Shear Serial Number 3225 Capacity: 1/4" Cutting Length: 10' 36" Programmable Back Gauge Accurshear Controls Number of Hold Downs (Hydraulic): 16 Motor: 20 HP Dimensions (LxDxH): 147" X 90" X 85" Weight: 17,000 LBS Location: Vadnais Heights, MN 55110 This machine requires an appointment for removal. R & R Rigging has quoted \$1200 for a basic lift and load of this machine on a mutually agreeable date. For questions or more information please contact R&R at 651-457-0227. You are free to use any rigger that meets our insurance requirements.	

171	1	Make: Wysong Model: D-120 Type: Initial Type Bending Roll Serial Number: PR25-121 Capacity: 120" by 12ga in mild steel 6" x 120" Rolls Foot Treadle Pneumatic Drop End Power Rear Roll Adjustment, 220 Volt, 3 Phase, Approx. 160"x48"x50" and Approx. 8,500 lbs. We have quoted \$150 for a basic lift and load of this machine on a mutually agreeable date. For questions or more information please contact Tim at 612-564-3726. You are free to use any rigger that meets our insurance requirements.	
172	1	Make: Tauring Max Capacity: 3" x 3" x 5/16" Model: Alfa 70 CNC Type: Angle Bending Roll Serial Number: 339 Country of Origin: Italy Max Capacity: Angle: 80mm x 80mm x 8mm, 600mm min radii Solid Round: 60mm, 400mm min radii I-Beam: INP 120, 250mm min radii Control: Tauring CNC-S Run Vertical or Horizontal: Yes Roll Holding Shaft Diameter: 70mm Standard Shaft Working Length: 160mm Universal Upper Diameter: 245mm Universal Lower Rolls Diameter: 245mm Machine Dimensions: (164 x 122 x 158 cm) Motor: Weight: 1300 KG Includes: CNC Control Cabinet, Foot Pedals, Dies as shown on machine, various documentation and discs. Note: The Omrom programmable controller needs to be reprogrammed. A replacement unit and a programming pendant are included with the machine. We have quoted \$150 for a basic lift and load of this machine on a mutually agreeable date. For questions or more information please contact Tim at 612-564-3726. You are free to use any rigger that meets our insurance requirements.	
173	1	2004 Littell / Jaybird Electronic Feed, Pull-Through Straightener & Coil Reel. Material Direction Right to Left, Feed line height 52.5" +/- 3" 460V 3-PH Consisting of: Littell Model 450-24 Electronic Feed with Allen Bradley Controls, Max thickness .140" Max Width 24", Feed Length Range .001" to 99.999" in .001" increments, fully programmable. Roll position repeatability +/- .002", Allen Bradley Ultra5000 controller with panelview 300 LCD controller, overall dimensions 24 x 20 x 39 inches Pull-thought Straightener: max strip width 24 inch, max strip thickness .250 inch, pressure regulated, 2-guide rollers, 6-pinch rollers, 4 out-guide rollers, overall dimensions 75 x 40 x 70 inches Jaybird Reel, Model CRM-2460, serial J3969, Max Capacity 6,000 lbs, Max Width, 24 inch, I.D. Size 18-22 inch, Max O.D. 72 inch, overall dimensions 72 x 46 x 58 inches. This unit was purchased as a complete system new in 12/2004. All available manuals, documentation and prints are included. This machine requires an appointment for removal. R & R Rigging has quoted \$500 for a basic lift and load of this machine on a mutually agreeable date. For questions or more information please contact R&R at 651-457-0227. You are free to use any rigger that meets our insurance requirements.	
174	1	Wisconsin Oven Co Stress Relieve Oven Serial Number 01587706 Opening: 12" x 26" Chamber Length: 48" 12" Flat Wire Conveyor Belt, Max Temp: 950 Deg F, Input: 80 KW, Voltage: 480 3PH 60 Hz Amps: 110. This machine requires an appointment for removal. R & R Rigging has quoted \$250 for a basic lift and load of this machine on a mutually agreeable date. For questions or more information please contact R&R at 651-457-0227. You are free to use any rigger that meets our insurance requirements.	
175	1	Johnson Model 60 OBI Press, Serial Number 58206. Capacity 60 Tons, Air Clutch, Bed Area 18-1/2" x 26-1/2", Ram Area 10" x 8-1/2", Shut Height: 15", 2-3/4" Lower Bolster Plate, Location: New Hope, MN 55427 *Buyer to confirm specs before bidding. This machine requires an appointment for removal. R & R Rigging has quoted \$350 for a basic lift and load of this machine on a mutually agreeable date. For questions or more information please contact R&R at 651-457-0227. You are free to use any rigger that meets our insurance requirements.	
176	1	Littell Model 632-7PD Continuous Straightening Machine Serial Number: 75305-66. 7-Roll Straightener, Capacity of Stock Maximum: .125" x 30", Straightener Rolls 4" x 32" on 6" centers, Head incline 15 degrees, Upper Rolls adjust individually or together, feeding direction left to right, Feed Line 53" above floors. Variable Speed, HP:10 HP Voltage: 220/440 Location: New Hope, MN 55427 This machine requires an appointment for removal. R & R Rigging has quoted \$250 for a basic lift and load of this machine on a mutually agreeable date. For questions or more information please contact R&R at 651-457-0227. You are free to use any rigger that meets our insurance requirements.	
177	1	Littell Model 432-7PD Continuous Straightening Machine Serial Number: 84190-79 Series: 4 Variable Speed Number of Straight Rolls: 7 Width of Straightener Rolls: 32-1/2" Capacity of Stock Minimum: .018 x 30" Capacity of Stock Maximum: .078 x 30" Floor Space: 58 x 56 x 60 inches HP: 7.5 Voltage: _____ We have quoted \$50 for a basic lift and load of this machine on a mutually agreeable date. For questions or more information please contact Tim at 612-564-3726. You are free to use any rigger that meets our insurance requirements.	

178	1	Littell Model 60-24 Auto Centering Reel Serial Number S.9193-79 Capacity: 8000 LBS ID Capacity: 16-20" OD Capacity: 60" Width: 24" Dimensions: 63 x 40 x 57 inches Estimated Weight: _____ (3) stops included We have quoted \$50 for a basic lift and load of this machine on a mutually agreeable date. For questions or more information please contact Tim at 612-564-3726. You are free to use any rigger that meets our insurance requirements.	
179	1	Littell Model 90 Motorized Single End Uncoiler Serial Number: 83915-78 16" to 20" ID. X 48" OD. X 30" width max. coil dimensions, 12,000 lb. max. weight cap. Dimensions: 79 x 42 x 66 inches (4) stops included We have quoted \$50 for a basic lift and load of this machine on a mutually agreeable date. For questions or more information please contact Tim at 612-564-3726. You are free to use any rigger that meets our insurance requirements.	
180	1	Large Lot of Assorted Sheffield Column Gages and probes.	
181	1	Large Lot of Giddings & Lewis (G&L) Air Column Sheffield Gages	
182	1	Large Lot of assorted Edmunds Inspection equipment CAG QCM Monitors, Edmunds Trendsetter Column Gages, assorted other stuff. Some units are not in service.	
183	1	Mettler Toledo Xpress Scale Model: XWS30R-XIS 12"x14" 50 lb Cap s/n: 00764846MG	
184	1	Mettler Toledo digital scale Model: 3026 RAM 0001 120V s/n: 4327222-4VJ 9"x9"	
185	1	Mettler Toledo electronic scale DigiToL Speed Weigh 12"x12"	
186	1	Mettler Toledo digital electronic scale Model: 3026 RAM: 0001 s/n: 4295407-4ST 9"x9"	
187	1	Mettler Toledo digital scale Model: 3025 RAM: 0001 120V s/n: 43777 9"x9"	
188	1	Mettler Toledo digital scale Model: 3025 18.75 pound capacity 9"x9" 120V s/n: 5009307-507 60Hz	
189	1	Mettler Toledo digital scale Model: 3026 RAM 0001 120V 9"x9" s/n: 4370131-4YT	
190	1	Mettler Toledo digital scale Model: 3026 RAM: 0001 120V 9"x9" s/n: 5001194-5NZ	
191	1	OHAUS Digital scale Model: CD11 25 lbs max capacity 12"x14" s/n: 0024334-6KC	
192	1	Gibraltar products 4" speed vice	
193	1	APEX T-slotted adjustable 8"x 8" table	
194	1	Deterrent foundry testing equipment model 624 115 V serial number 512091	
195	1	Thomson linear motion and control gauge with LSHCCU IShot imaging light source and camera controller	
196	1	(2) Sheffield measurements profilometer with probes, 137-CU	
197	1	Lot of Assorted inspection equipment and stands including TSK surf COM's ice calibrator federal gauge Blanchet Clifton Gauge Hamel America Stand kinetic systems viable plan	
198	1	(16) adjustable hole gages on 4-1/2x12" T-slot tables	
199	1	(6) 10" x 12" cast iron surface plate / layout table. With fixtures as shown.	

200	1	1995 Wysong MTH100-120 Hydraulic Press Brake Serial Number MT7-185 Control: Hurco Autobend 7 CNC Control / Back Gauge Capacity: 100 Tons Bending capacity: 10' x 10 ga. mild steel, 8' x 3/16" mild steel, 6' x 1/4" mild steel Bending length: 120 Distance between housings: 102 Open height: 17 Shut height: 9 Stroke length: 8 Throat depth: 7 Rapid advance speed: 300 IPM Press speed: 20 IPM Return speed: 225 IPM Bed height: 34 Oil reservoir capacity: 40 Gallons Motor: 10 HP 1725 RPM 208/230/460/3/60 Weight approx. 17,000 lbs. Overall dimensions approx. 130" L-R x 64" F-B x 109" H Location: Coon Rapids, MN 55433 This machine requires an appointment for removal. R & R Rigging has quoted \$750 for a basic lift and load of this machine on a mutually agreeable date. For questions or more information please contact R&R at 651-457-0227. You are free to use any rigger that meets our insurance requirements.	
201	1	1997 Pullmax Optima 130 4.1/3.15 Ursviken Hydraulic CNC Press Brake. Serial Number 4656., 145-Ton Capacity (short ton), 161" Overall Bending Length, 124" Between Housings, 9.8" stroke, 17.7" open height, Cybelec DNC 900 CNC Control, upper and lower clamping, Foot Pedal, Pendant Control, Floor Flush, estimated 27,000 lbs. This machine requires an appointment for removal. R & R Rigging has quoted \$2000 for a basic lift and load of this machine on a mutually agreeable date. For questions or more information please contact R&R at 651-457-0227. You are free to use any rigger that meets our insurance requirements.	
202	1	Cincinnati Model 90AFx8FT Autoform CNC Hydraulic Press Brake Serial Number 48439. 90-ton Capacity, 120" Bed, 102" Between Housings, Max Stroke 14", Cincinnati Autoform CNC control (Requires Repair), Cincinnati Back Gauge, Crowing, Hydraulic Upper Die Clamping, Electric Foot Trip, Dual Palm Buttons, Available Manuals This machine requires an appointment for removal. R & R Rigging has quoted \$800 for a basic lift and load of this machine on a mutually agreeable date. For questions or more information please contact R&R at 651-457-0227. You are free to use any rigger that meets our insurance requirements.	
203	1	1999 Trumpf Model Trumatic L3030 Laser CNC Laser Cutting Center Serial Number 920126. Trumpf TLF3800T Turbo CO2 Laser Resonator Serial Number 446014. Dual 63" x 120" Auto Shuttle Pallets, 60" x 120" max sheet size. X travel: 120", Y travel: 60", Z travel: 4.5", 992 lbs Max Sheet Weight, Keller Vario T2.5 Dust/Fume Collector, _____ CNC Controls, Sick Light Curtains, Trumpf LiftMaster Automated Lift Loader and Unloader Type: 145 398, Serial Number 234 050. *Interchangeable cutting heads? *Slag Conveyors * Chiller System Make Model Serial? This machine requires an appointment for removal. Buyer responsible for prepping this machine for removal. R & R Rigging has quoted \$2500 for a basic lift and load of this machine on a mutually agreeable date. Please contact them for a quote to prep the machine if necessary. For questions or more information please contact R&R at 651-457-0227. You are free to use any rigger that meets our insurance requirements.	
204	1	1995 Bystronic Bystar 4020 Laser Cutting Machine. Serial Number 310. Bystronic BTL 2800W Turbo Co2 Laser 2800W Resonator, _____ Hours on Resonator, Bystronic CNC _____ Controls, 160" X-axis travel, 80" Y-axis travel, 8.66" Z-axis travel, (2) 80" x 160" shuttle tables, 2,860 LB. load cap., 1,968 IPM max. cutting speed, Koolant Kooler Model HCV10000-2RP-NF-FILT chiller system. This machine requires an appointment for removal. Buyer responsible for prepping this machine for removal. R & R Rigging has quoted \$2000 for a basic lift and load of this machine on a mutually agreeable date. Please contact them for a quote to prep the machine if necessary. For questions or more information please contact R&R at 651-457-0227. You are free to use any rigger that meets our insurance requirements.	
205	1	(2) 10" x 12" cast iron surface plate / layout table.	
206	1	Federal 109B-40-R1 height gauge stand 6-1/2" x 6-3/4" Platten. 12" post.	
207	1	(5) Dorsey Gage height gauges. 4"x3" Platten, 9-1/2" max part height.	
208	1	(4) Federal 100B-20 height gauge stands. 4-3/4" x 6" table, 16" post. Location: Minneapolis, MN 55418	
209	1	(5) Federal 100B-20 height gauge stands. 4-3/4" x 6" table, 16" post.	
210	1	(2) Angle plates. 7-3/4 x 11-1/2 x 7-3/4. Finished on 6 sides.	

211	1	(3) Angle plates. Finished on 6-sides. (1) 16" x 10" x 8" (1) 11" x 7-3/4" x 7-3/4" (1) 8" x 4-1/2" x 5"	
212	1	(3) Challenge LH101 Angle plates (1) 6" x 12" x 6" (1) 8" x 10" x 5-1/2" (1) 5" x 8" x 5"	
213	1	(5) V-blocks 10" x 5-1/2" x 6" with 5" at top of V	
214	1	Marsh model R1" stencil machine. Serial number 14886	
215	1	Marsh model H 1/2" stencil machine. Serial number 21389	
216	1	J.C. Busch cast iron layout plate. 18" x 14"	
217	1	Mitutoyo Model B-251 (806M-5) Coordinate Measuring Machine, Serial Number 810207. Manually Operated, Bridge Type, Measuring Range: 60" x 28" x 18" Overall Dimensions: 80"L x 51"W x 93"H, Granite Surface Plate: 80" x 50 1/2" x 12" (drilled and tapped), Software: Computer Included, usability / software unknown, Probing System: Renishaw PH1	
218	1	Becor vertical or horizontal bench center. 8-1/4" swing, 10" max part length. With extra anvils Location: Minneapolis, MN 55418	
219	1	Becor vertical or horizontal bench center. 8-1/4" swing, 10" max part length. With extra anvil.	
220	1	Mitutoyo bench center. Approx 7" swing. 25-1/2" table	
221	1	KO Lee model BC3 bench center. Serial number 2996. 8-1/4" swing. 27"x6-3/4" overall bed. W/indicator stand (no t-nut)	
222	1	K.O. Lee model BC3 bench center. Serial number 3018. 8-1/2" swing. 27" x 6-3/4" table	
223	1	Stuhr bench center. 12" swing, 29-1/2" x 4" table, (2) extra sets of anvils.	
224	1	Stuhr bench center with Roller Vee Blocks. 12" swing under rollers. 29-1/2" x 4" table	
225	1	Assorted Hommel Digital Surface Profilometers. Including T1000 Controllers, Probes and more as shown. Condition unknown. Untested.	
226	1	Heavy duty electric tilting table, 48 x 48 inch with 12 inch lip, pendant control, 3-phase	
227	1	Heavy duty electric tilting table, 48 x 48 inch with 12 inch lip, pendant control, 3-phase	
228	1	Tilting Scissor Lift Table, 48"x48"	
229	1	Olson Electrics Corp Transformer, Dry Type, HV 230/460D, LV 250Y/144 - 240Y/139 - 115/100, KVA 25, Amps 63/31, 3-phase, 60 Hz	
230	1	Hammon 30kva transformer, cat no. K300M, 30kva, 60hz, 61 percent IMP, 240 lbs, see photo for specifications	
231	1	Hobart Champion 10,000 watt gas generator and 230 amp DC/CC Welder, Kohler CH20 OHV gasoline engine, EH/64, EH/65 gas engine, 77 hours on meter, Welding output: DC volts 25, Amps 230/210/170, Duty cycle 30/60 /100, Auxiliary Output: Volts 120/240, Amp 84/42, KW 10, Phase 1, Hertz 60 (condition unknown)	
232	1	Midwest Fasteners Model CD100 Stud Welder, Serial Number: 100-9406-626, Primary: 115V 30A 1-phase, Output: Weld voltage 75-150v, Capacitance Low - 84,000 mfd High - 168,000 mfd Weld Rate up to 14/Min. Weldable Materials Mild Steel, Stainless Steel, Aluminium Pin/Stud Range 14 Ga, thru 3/8" Dia. weld base Weld Voltage 35-175 VDC Weld Mode Contact Power Requirement 115VAC, 60 Hz, 30 Amp, Height 9" Width 13-1/2" Depth 21" Weight 66 Pounds, includes metal cart, Welding Gun,	
233	1	Studfast Model 10CD Stud Welder, Serial Number: 10/3045/90. Input 220V Single Phase, Includes Cart, Stud Gun, Grounding Cables and assorted perishable tips.	

234	1	2011 Miller Aluma Power 350MPa Auto-line welder, stock 907420001, Serial Number MB400137A, Input ratings: hertz 50/60, phase 1/3, voltage 208/230/400/460/575, amps at 60hz 40.4/36.1/20.6/17.8/14.1, kilowatts 13.6, Output ratings: DC volts 32/34, DC Amps 300/350, Max OCV 75, Duty cycle 40/60 percent Miller XR-Alumafeed wire feeder, serial MB380014V, 24V Miller Coolmate 3, serial MF350311L, 115v includes: 3-tier cart, gas regulator, Miller XR-Alumapro gun, ground clamp We have quoted \$25 for a basic lift and load of this machine on a mutually agreeable date. For questions or more information please contact Tim at 612-564-3726. You are free to use any rigger that meets our insurance requirements.	
235	1	2011 Miller Millermatic 252 wire feed welder, stock 907324, serial MB060244N, volts 200/230, ampo 48/42, kw 7.5, phase 1, hertz 60, rated output: volts 28, amps 200, duty cycle 60 percent, max OCV 38, includes: cart, regulator, torch and assorted supplies We have quoted \$25 for a basic lift and load of this machine on a mutually agreeable date. For questions or more information please contact Tim at 612-564-3726. You are free to use any rigger that meets our insurance requirements.	
236	1	Miller Deltaweld 451 Constant Voltage DC Welding Power Source, Serial Number: KC285439. Stock Number: 903017, Input 200/230/460V 61/70.35A 3PH, Rated Output 38V, 450A, 100% Duty Cycle, 48 Max OCV, 14-38 Voltage Range. Includes Cart & Grounding Cable We have quoted \$25 for a basic lift and load of this machine on a mutually agreeable date. For questions or more information please contact Tim at 612-564-3726. You are free to use any rigger that meets our insurance requirements.	
237	1	Miller Deltaweld 451 Constant Voltage DC Welding Power Source, Serial Number: KD432354. Stock Number: 903017, Input 200/230/460V 61/70.35A 3PH, Rated Output 38V, 450A, 100% Duty Cycle, 48 Max OCV, 14-38 Voltage Range. Includes Cart & Grounding Cable We have quoted \$25 for a basic lift and load of this machine on a mutually agreeable date. For questions or more information please contact Tim at 612-564-3726. You are free to use any rigger that meets our insurance requirements.	
238	1	Miller Deltaweld 302 CV/DC Welding Power Source, Serial Number KH480663. Stock Number 903392. Input 230/460/575V, 42/21/17A 3-PH, Output: 32V 300A 100% Duty Cycle, 42 Max OCV, Includes Miller S-22A 24V Constant Speed Wire Feed, Grounding Cable. We have quoted \$25 for a basic lift and load of this machine on a mutually agreeable date. For questions or more information please contact Tim at 612-564-3726. You are free to use any rigger that meets our insurance requirements.	
239	1	Miller Syncrowave 351 CC-AC/DC Welding Power Source, Serial Number: KH498817. Stock Number: 903219, Input: 200/230/460V 151/131/67A, Single Phase, Output: Welding Range 3-400, NEMA Class I 32V 300A 60% Duty Cycle, 80 Max OCV; NEMA Class II 34V 350A, 40% Duty Cycle, 80 Max OCV. Includes Torch, Grounding Clamp, Cart Location: Minneapolis, MN 55418 We have quoted \$25 for a basic lift and load of this machine on a mutually agreeable date. For questions or more information please contact Tim at 612-564-3726. You are free to use any rigger that meets our insurance requirements.	
240	1	Miller Syncrowave 300 Tig Welder Serial Number JG074406. AC/DC Gas Tungsten-Arc or Shielded Metal Arc Welding Power Source, Input: 200/230/460V 138/120/60A Single Phase, Secondary: 32V 300A, 60% Duty Cycle, 80 Max OCV, Welding Range AC & DC 5-375. Includes: Bernard Chiller, Foot Pedal, Torch, Grounding Cable. We have quoted \$25 for a basic lift and load of this machine on a mutually agreeable date. For questions or more information please contact Tim at 612-564-3726. You are free to use any rigger that meets our insurance requirements.	
241	1	Miller Syncrowave 300 Tig Welder Serial Number HK256669. AC/DC Gas Tungsten-Arc or Shielded Metal Arc Welding Power Source, Input: 200(208)/230/460V 106/96/48A Single Phase, Secondary: 32V 300A, 60% Duty Cycle, 80 Max OCV, Welding Range AC & DC 5-375. Includes: Cart We have quoted \$25 for a basic lift and load of this machine on a mutually agreeable date. For questions or more information please contact Tim at 612-564-3726. You are free to use any rigger that meets our insurance requirements.	
242	1	Miller Syncrowave 250 Tig Welder, Serial Number JK530476. Power Input 208/230/460V Single Phase, Output 200A @ 60% Duty Cycle, 250A @ 40% Duty Cycle. Includes Miller Foot Pedal and Torch. We have quoted \$25 for a basic lift and load of this machine on a mutually agreeable date. For questions or more information please contact Tim at 612-564-3726. You are free to use any rigger that meets our insurance requirements.	

243	1	Miller Goldstar 300SS Tig Welder CC/DC Welding Power Source Serial Number JK531634. Direct Current Arc Welding Power Source, Input Voltage: 230/460V 60/30A 3-PH. Output: 32 Volts, 300 Amps, 60% Duty Cycle, Max OCV 70. Includes: Miller HF-250D-1 Wire Feed, Bernard Chiller, Foot Pedal, Torch, Ground Cable. Location: Minneapolis, MN 55418 We have quoted \$25 for a basic lift and load of this machine on a mutually agreeable date. For questions or more information please contact Tim at 612-564-3726. You are free to use any rigger that meets our insurance requirements.	
244	1	Linde VI-253 CV/DC Welding Power Supply Serial Number B79C17018. Part Number: 673900, Input: 230/460V 29/14.5A 3-PH, Output: 35 Volts, 250 Amps, 100% Duty-Cycle, 45 OCV Max. Includes Linde Wire Feeder, Torch, Consumables, Ground Clamp, Welding Cart. We have quoted \$25 for a basic lift and load of this machine on a mutually agreeable date. For questions or more information please contact Tim at 612-564-3726. You are free to use any rigger that meets our insurance requirements.	
245	1	Lincoln Electric Invertec V300-PRO constant voltage and constant current welding power source, code 10256, serial U1970508914, electrical specifications on photo of tag Lincoln Cobramatic wire feeder aluminum and others, model K1587-1, serial 97040038 Lincoln Magnum Cooler model 10, serial 98020008, 115v MIG pulser code 10213, serial U1970212729 Includes: cart, torch, and assorted supplies We have quoted \$25 for a basic lift and load of this machine on a mutually agreeable date. For questions or more information please contact Tim at 612-564-3726. You are free to use any rigger that meets our insurance requirements.	
246	1	Miller RFC-14 Tig Welding Foot Pedal 129 339	
247	1	(7) New spools AlcoTec Aluminum welding wire, Alloy: ER4043, dia 3/64 inch	
248	1	(10) New spools assorted Aluminum welding wire to include: (1) AlcoTec Alloy: ER4043, dia 3/64 inch, (8) Harris Welco Alloy: ER4043, dia 1/16 inch, (1) Prostar Alloy: ER4043, dia .035 inch	
249	1	(4) Assorted empty approximate 575 gallon steel tanks, approximate 48 inch diameter x 74 inch height Location: Minneapolis, MN 55418 We have quoted \$75 for a basic lift and load of this machine on a mutually agreeable date. For questions or more information please contact Tim at 612-564-3726. You are free to use any rigger that meets our insurance requirements.	
250	1	(2) Assorted empty plastic tanks to include: (1) 750 gallon approximate 48 inch diameter x 94 inch height and (1) 48 inch diameter x 125 inch height, both have bottom drains We have quoted \$25 for a basic lift and load of this machine on a mutually agreeable date. For questions or more information please contact Tim at 612-564-3726. You are free to use any rigger that meets our insurance requirements.	
251	1	(30) Acro bin shelves with assorted springs on stand	
252	1	Assorted bins of pneumatic components including regulators, filters, nipples, tubing, couplers, valves, mufflers, elbows, tees, flaring, & much more	
253	1	Assorted bins of fasteners, gears, fuses, bolts, hardware, fixtures, knobs, parts, fuses, belts, counters, guides, screws, o-rings, tooling, & much more	
254	1	Lot of assorted electrical components including relays, brushes, soldering tips, switches, wire strippers, crumpets, pliers, bits, & plenty more	
255	1	Assorted bins of air motors, screws, nuts, wires, hardware, tappers, rings, set screws, switches, nails, bolts, springs, parts, & much more	
256	1	4-drawer metal cabinet, inside drawer 36-1/2 x 17 x 2 inches, overall approximate 39 x 18-1/2 x 11-1/2 inches, includes rolling cart	
257	1	Rockwell Inverted pedestal drill setup, drill no 15-081, serial no 1768720, Dayton SCR speed controller, 120v, Dayton permanent magnetic DC motor 2M168C, 1/2HP, foot pedal, Base with 62 inch column	
258	1	Heavy duty rolling adjustable die cart, 18"x18", min. 30" height	
259	1	Chicago Pneumatic compression riveter, model T11848, serial H963850	
260	1	Blue-Point Doubled End Bench top pedestal grinder, model: BG 5006, 1/2 hp, 7" wheel, 3450 rpm, 115 V, 60 Hz, s/n: W3-96	

261	1	Workhog EnerSys. WG3-12-1050, 24 V battery charger, 60 Hz, 3 Phase, L-A battery type, s/n: FC7329 We have quoted \$15 for a basic lift and load of this machine on a mutually agreeable date. For questions or more information please contact Tim at 612-564-3726. You are free to use any rigger that meets our insurance requirements.	
262	1	Patriot Model: PAC1260 24V battery charger, 12.1 A, 60 Hz, s/n: 97475084	
263	1	Campbell Hausfeld WL600301AJ portable air compressor, 2.5 HP, 11 Gallon, 120V, 1 Ph, 13.1 A, 125 Max PSI	
264	1	Pneumatic chain hoist M6154, 1 Ton Capacity, w/trolley	
265	1	Pneumatic chain hoist M5853, 1 Ton capacity, w/trolley	
266	1	Pneumatic chain hoist 1 Ton Cap	
267	1	Pneumatic chain hoist 1 Ton Cap.	
268	1	(4) Panavise clamping System	
269	1	(3) Panavise clamping system	
270	1	(4) Panavise clamping System	
271	1	Assorted milling cutters & carboloy drill	
272	1	Assorted Central rolled thread dies	
273	1	Heavy duty surface plate 16"x24"x4"	
274	1	Heavy duty T-slotted 10-2 angle plate 12"x 12"	
275	1	Ultramax DF Gesswein Output Indicator Sonotec, 115V, DC 30V, s/n: M52-0485	
276	1	(2) Monode 150-C Etching System Power Units	
277	1	(2) Zebra LP 2844 label printers, Platronics CS50 head set	
278	1	HP 410B Vacuum Tube Voltmeter	
279	1	Pallet of assorted angle plates and fixtures	
280	1	(2) foot pedal controls	
281	1	Flexarm tapping arm	
282	1	(2) Universal adj grinding vises	
283	1	(2) precision grinding vise	
284	1	Gardner Denver Pneumatic Nuttsetter Model: 130PTH20Q, s/n: 0497171	
285	1	Assorted set of Jacob's flex collets	
286	1	(10) Assorted NEW pack of (25) 3M coated abrasive discs	
287	1	(11) Assorted NEW pack of (25) 3M coated abrasive discs	

288	1	Assorted clamps, Knu-vise, DE-STA-CO	
289	1	(5) Set of Etalon Calipers sizes 1-2, 3-4, 4-5, 5-6	
290	1	Ultra-Chex precision standard gage blocks	
291	1	(8) Assorted MT3 & MT4 Drills w/MT Adaptor	
292	1	(18) assorted MT drills and reamers	
293	1	Box of assorted end mills	
294	1	Assorted drills, Reamers, & cutters, counter bores	
295	1	Work station bench top and shelf, top 36 x 72 inches, shelf 14 x 72 inches, includes 96 inch retractable projector screen	
296	1	Egan Visual executive white board/cork board, white board 46w x 40h, tack board 21w x 42h, approximate overall 48w x 45h x 3-1/2 d inches	
297	1	(2) Tru-Stone Granite Surface Plates, Grade A, (1) 24"x18" (1) 18"x12"	
298	1	(3) Granite surface plates (1) stand, (2) 8"x12", (1) 18"x12"	
299	1	Lima electric motor with speed control, serial 015602, 220/440V, 8/4A, 3HP, 1,800RPM, 3-phase, 60hz,	
300	1	Assorted lot of ST Industries DRO's & ACU-Rite FAGOR scales, linear encoders	
301	1	Metal Cabinet w/misc tools & contents	
302	1	Starrett Depth micrometer No. 445, 0-20	
303	1	Starrett Depth micrometer No. 445, 0-20	
304	1	(2) Starrett No. 445 Depth Micrometers, 0-14	
305	1	(2) Starrett Depth Micrometers No. 445, 0-20	
306	1	(2) Kanon Precision stainless calipers 0-60 cm, 24"	
307	1	Lot of Precision Quik-Shim, Aloma shim sets, 2"x2", Size A, 1/2" Bolt Size	
308	1	(5) Sets of Fowler, Starrett, Lufkin Radius Gages	
309	1	(4) Intertest Internal Dial caliper Gages, .8-1.6, .4-1.2, .4-.8, 1.6-2.4	
310	1	(2) Dyer Internal Dial calipers. .8"-1.6", 1.6"-2.5"	
311	1	Assorted HSS Chucking Reamers, Hannibal, TTC, & more	
312	1	Assorted HSS some coolant thru drills	
313	1	Lot of assorted HSS drills	
314	1	Lot of assorted HSS drills	
315	1	(15) HSS Drills MT3, MT4, (2) MT Adapters 2-3, 3-4	

316	1	Approx (38) HSS Drills assorted sizes	
317	1	Eagle Model No. 906 FL, 6 Gallons, Oily Waste Can	
318	1	Assorted Autoliv shims including key safety shims & right way shims	
319	1	Starrett indicator no. 196, .001, jeweled with assorted hardware inv:124/84	
320	1	Assorted lathe tooling to include: (3) live centers MT3 and MT4, (3) Armstrong and Williams cutting tool holders, (1) 3/8 inch post tool holder inv:167/117	
321	1	Assorted reamers 3/16 to to 7/8 inch inv:235/157	
322	1	Large assortment of End Mills, 3/16 up to 1-5/8 inch inv:236/158	
323	1	(3) Challenge angle plates, model L-101, 4 x 5 x 6 inches inv:289/218	
324	1	Assorted V-blocks, up to 4 inches inv:291/220	
325	1	Granite surface plate with 1-1/4 inch lip, overall 18 x 24 x 3-1/8 inches inv: 293/222	
326	1	MHC Plug gage inspection partial sets, .061 up to .500 inv:294/223	
327	1	Mitutoyo Gage Block set, .02005 to .090, code no. 516-418, grade 2 inv:309 /232	
328	1	(2) sets magnetic parallels, 1-1/2 x 4-1/2 and 2-1/2 x 7 inv:310/233	
329	1	Workbench with door cabinets and 40 taper change post, laminated top 30 x 72 inch, cabinets 15 x 24 x 36 inch	
330	1	Dividing head with chuck t-slotted table and tailstock 3-jaw Chuck 2-way mounting, 8-1/2 inch diameter, 2-3/8 inch hole 1-axis T-slotted table 5-5/*8 x 12-1/4 inch tailstock and assorted hardware	
331	1	(5) Endress Hauser Meters, Order no. 8DF25-AG25AAMB02+, I-out (hart), f-out, I-out, relay, 20-55VAC/16-62VDC, 15VA/W, 50-60Hz, with attached valve ref no. K606CC02000	
332	1	Wells Polishing Lathe Gold Chrome Finishing Machine 12/24k RPM 120V QW-100T Red Make: Wells Model: QW-100T Attachment: Gold Chrome Finish Machine (U712) Spec: L35-0299-0160 HP: 1/3 Volts: 115V Phase: 1 Amp: 3.3 /2/1 Cycle:60 Rating: 40C Lathe RPM: 3450/1720 Spindle RPM: 12,000 / 24,000 Frame: 3528L	
333	1	Wells Polishing Lathe Gold Chrome Finishing Machine 12/24k RPM 120V QW-100T Red Make: Wells Model: QW-100T Attachment: Gold Chrome Finish Machine (U712) Spec: L35-0299-0160 HP: 1/3 Volts: 115V Phase: 1 Amp: 3.3 /2/1 Cycle:60 Rating: 40C Lathe RPM: 3450/1720 Spindle RPM: 12,000 / 24,000 Frame: 3528L	
334	1	Wells Polishing Lathe Gold Chrome Finishing Machine 12/24k RPM 120V QW-100T Red Make: Wells Model: QW-100T Attachment: Gold Chrome Finish Machine (U712) Spec: L35-0299-0160 HP: 1/3 Volts: 115V Phase: 1 Amp: 3.3 /2/1 Cycle:60 Rating: 40C Lathe RPM: 3450/1720 Spindle RPM: 12,000 / 24,000 Frame: 3528L	
335	1	Wells Polishing Lathe Gold Chrome Finishing Machine 12/24k RPM 120V QW-100T Red Make: Wells Model: QW-100T Attachment: Gold Chrome Finish Machine (U712) Spec: L35-0299-0160 HP: 1/3 Volts: 115V Phase: 1 Amp: 3.3 /2/1 Cycle:60 Rating: 40C Lathe RPM: 3450/1720 Spindle RPM: 12,000 / 24,000 Frame: 3528L	
336	1	Wells Polishing Lathe Gold Chrome Finishing Machine 12/24k RPM 120V QW-100T Red Make: Wells Model: QW-100T Attachment: Gold Chrome Finish Machine (U712) Spec: L35-0299-0160 HP: 1/3 Volts: 115V Phase: 1 Amp: 3.3 /2/1 Cycle:60 Rating: 40C Lathe RPM: 3450/1720 Spindle RPM: 12,000 / 24,000 Frame: 3528L	

337	1	Wells Polishing Lathe Gold Chrome Finishing Machine 12/24k RPM 120V QW-100T Red Make: Wells Model: QW-100T Attachment: Gold Chrome Finish Machine (U712) Spec: L35-0299-0160 HP: 1/3 Volts: 115V Phase: 1 Amp: 3.3 /2/1 Cycle:60 Rating: 40C Lathe RPM: 3450/1720 Spindle RPM: 12,000 / 24,000 Frame: 3528L	
338	1	Wells Polishing Lathe Gold Chrome Finishing Machine 12/24k RPM 120V QW-100T Red Make: Wells Model: QW-100T Attachment: Gold Chrome Finish Machine (U712) Spec: L35-0299-0160 HP: 1/3 Volts: 115V Phase: 1 Amp: 3.3 /2/1 Cycle:60 Rating: 40C Lathe RPM: 3450/1720 Spindle RPM: 12,000 / 24,000 Frame: 3528L	
339	1	Assorted calibration weights, Toledo, 100g to 10lbs, Ohaus 200g to 300g, other 500g to 5kg	
340	1	(11) Assorted pneumatic go/nogo gages, Diatest and others 4.24 up to 4.92 inch	
341	1	Assorted Edmunds pneumatic gage controls with aluminum tables, A/E 1081, A/E1802, SEC NAF2000-N02-2 pneumatic water traps and valve controls	
342	1	Assorted pneumatic tools to include: IR Cyclone CD200 polisher 20,000RPM, Napa grinder, Drill with Jacobs 3/8 chuck, IR hammer, air nozzels	
343	1	Sunnen external hone with stones, Oster Cleveland Bull Dog Die Head 1/8 up to 2 inch	
344	1	Assortment of combination and open end wrenches 3/4 up to 1-13/16, 24 up to 38mm, vise grips, de-sta-co and NES3 1-1/4 to 5 degree, 32 to 128mm cutter	
345	1	Assorted Hammers, pipe wrenches and saw	
346	1	(2) Brown and Sharpe magnetic bases, 2-1/2 x 5-3/8 inch	
347	1	(4) Assorted Magnetic indicator stands with articulating holders	
348	1	(5) Assorted Magnetic indicator stands with articulating holders	
349	1	(5) Assorted Magnetic indicator stands with articulating holders	
350	1	(5) Assorted Magnetic indicator stands with articulating holders	
351	1	(3) Eclipse Magnetic indicator stands with articulating holders	
352	1	Assorted magnetic bases to include: Scherr Tumico V-block 2-3/4 x 4 inch, Fowler major mag, Starrett and others	
353	1	(4) Indicator stands, posts up to 18 inch, angle adjustment knob, 3 x 3-1/2 inch base	
354	1	(4) Indicator stands, posts up to 18 inch, angle adjustment knob, 3 x 3-1/2 inch base	
355	1	(4) Indicator stands, posts up to 12 inch, angle adjustment knob, 3 x 3-1/2 inch base	
356	1	(4) Indicator stands, posts up to 12 inch, angle adjustment knob, 3 x 3-1/2 inch base	
357	1	(4) Indicator stands, posts up to 12 inch, angle adjustment knob, 3 x 3-1/2 inch and 2-1/4 x 2-3/4 inch bases	
358	1	(4) Indicator stands, posts up to 12 inch, angle adjustment knob, 2-1/4 x 2-3/4 inch base	
359	1	Heavy duty indicator stand, 15 inch post, 4 x 8 inch base	
360	1	(10) Diatest indicators, .01mm , AKT 90 degree	
361	1	(7) assorted indicators to include: Starrett no. 25-257 jeweled .001mm, no. 25-181 jeweled .01mm, no. 25-134 .0005 inch, Federal no P1/21, full jeweled .001mm, Mitutoyo no. 2046F shock proof, .01mm	

362	1	(6) assorted indicators to include: Kafer 0001 inch, Teclock no. DM250 .01mm	
363	1	(3) Mueller Gages Indicators no. C170-D, 5mm range, .002mm increments, on metal table 3 x 6 inch	
364	1	(3) Mueller Gages Indicators no. C170-D, 5mm range, .002mm increments, on metal table 3 x 6 inch	
365	1	(3) Federal Indicators on stands, no. C81Q full jeweled .01 inch, no. C21 full jeweled .0001 inch	
366	1	(3) Mitutoyo dial calipers, 8 and 12 inch, .001 inch increments	
367	1	(3) Mitutoyo dial calipers, 8 and 12 inch, .001 inch increments	
368	1	(3) Mitutoyo dial calipers, 8 and 12 inch, .001 inch increments	
369	1	(3) Mitutoyo dial calipers, 8 and 12 inch, .001 inch increments	
370	1	Schnemaster caliper, 0-2 inch, .005 inch increments	
371	1	(4) Assorted Mitutoyo Groove Micrometers, no. 146-104, 0-1" range, .001" graduation, no. 146-110, 3-4" range, .001" graduation, no. 146-106, 1-2" range, .001" graduation	
372	1	(4) Assorted Mitutoyo Groove Micrometers, no. 146-104, 0-1" range, .001" graduation, no. 146-106, 1-2" range, .001" graduation, no. 146-214, 2-3" range, .001" graduation	
373	1	(4) Assorted Mitutoyo Groove Micrometers, no. 146-104, 0-1" range, .001" graduation, no. 146-110, 3-4" range, .001" graduation, no. 146-108, 1-2" range, .001" graduation	
374	1	(9) Assorted Starrett Internal Groove Micrometers, No. 701, 0.5-1.5" range, .001 graduation	
375	1	Starrett Depth Micrometer, no. 445, .001 graduation	
376	1	(2) Starrett Depth Micrometers, no. 445, .001 graduation	
377	1	(6) Assorted Depth Micrometers to include: (5) Starrett, no. 445, .001 graduation and (1) DoAll	
378	1	(6) Assorted Starrett Depth Micrometers, no. 445 and 440, .001 graduation	
379	1	(6) Assorted Starrett Depth Micrometers, no. 445 and 440, .001 graduation	
380	1	(6) Assorted Depth Micrometers to include: (5) Starrett no. 445, 445N and 440, .001 graduation, and (1) Scherr Tumico	
381	1	(5) Assorted Starrett Depth Micrometers, no. 445, 445M and 440, .001 graduation	
382	1	(2) Starrett Depth Micrometers, no. 445 and 445M, .001 graduation	
383	1	(4) Starrett Depth Micrometers, no. 440 and 445, .001 graduation	
384	1	(3) Starrett Depth Micrometers, no. 440 and 445, .001 graduation	
385	1	(3) Starrett Depth Micrometers, no. 440, 445 and 449= (flat), .001 graduation	
386	1	(2) Starrett Depth Micrometers, no. 445 and 449, .001 graduation	
387	1	(5) Starrett Depth Micrometers, no. 440 and 445, .001 graduation	
388	1	(4) Mitutoyo Depth Micrometers, .001" graduation	

389	1	(2) Partial DoAll Gauge Block Set, .100 to 4.00, Steel Grade 2	
390	1	(2) Partial DoAll Gauge Block Set, .100 to 4.00, Steel Grade 2	
391	1	(2) Partial Starrett Webber gage block sets	
392	1	Large assortment of Radius Gauges to include: Mitutoyo, Starrett, Fowler and others 1/32 up to 1 inch	
393	1	Assorted Inspection and Measuring tools to include: Federal Indicator no. P1 /21 full jeweled, .001mm, Optical Flat .000004, 1-2-3 blocks, Starrett 24" square ruler, calipers	
394	1	(4) Techniks BT40 CNC Tool Holders Including 1.) SYIC-16615, 1.) FMA 1" -90, 1.) FMA 3/4"-4", 1.) FMA 1-1/4"	
395	1	Assorted Inspection Ring Gauges, Master and Edwards 5 inch range, and other assorted	
396	1		
397	1	Each set is 4 casters (2) Vulcan 8-60-220P swivel plate (2) Vulcan 8-61-220P swivel plate with Brake Make: Vulcan Series: 60,61 Type: Heavy Duty Casters Top Plate: #3 4-1/2" x 6-1/4", 2-7/16" x 4-15/16" slotted to 3-3/8" x 5-1/4", Mounting Bolt: 1/2" Wheel Size: 8" x 2" Wheel Type: Pro-U Grey with Roller Bearing Capacity: 1000 lb per Wheel Load Height: 9-1/2" Swivel Radius: 6-1/2" Approx. Weight: 5-1/2lb each 1000 lb Cap. Each Wheel Please contact us for bulk pricing if you require more then a couple sets. We can accommodate pallet size quantities.	
398	1	Each set is 4 casters (2) Vulcan 8-60-220P swivel plate (2) Vulcan 8-61-220P swivel plate with Brake Make: Vulcan Series: 60,61 Type: Heavy Duty Casters Top Plate: #3 4-1/2" x 6-1/4", 2-7/16" x 4-15/16" slotted to 3-3/8" x 5-1/4", Mounting Bolt: 1/2" Wheel Size: 8" x 2" Wheel Type: Pro-U Grey with Roller Bearing Capacity: 1000 lb per Wheel Load Height: 9-1/2" Swivel Radius: 6-1/2" Approx. Weight: 5-1/2lb each 1000 lb Cap. Each Wheel Please contact us for bulk pricing if you require more then a couple sets. We can accommodate pallet size quantities.	
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400	1	Each set is 4 casters (2) Vulcan 8-60-220P swivel plate (2) Vulcan 8-61-220P swivel plate with Brake Make: Vulcan Series: 60,61 Type: Heavy Duty Casters Top Plate: #3 4-1/2" x 6-1/4", 2-7/16" x 4-15/16" slotted to 3-3/8" x 5-1/4", Mounting Bolt: 1/2" Wheel Size: 8" x 2" Wheel Type: Pro-U Grey with Roller Bearing Capacity: 1000 lb per Wheel Load Height: 9-1/2" Swivel Radius: 6-1/2" Approx. Weight: 5-1/2lb each 1000 lb Cap. Each Wheel Please contact us for bulk pricing if you require more then a couple sets. We can accommodate pallet size quantities.	
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402	1	Each set is 4 casters (2) Vulcan 8-60-220P swivel plate (2) Vulcan 8-61-220P swivel plate with Brake Make: Vulcan Series: 60,61 Type: Heavy Duty Casters Top Plate: #3 4-1/2" x 6-1/4", 2-7/16" x 4-15/16" slotted to 3-3/8" x 5-1/4", Mounting Bolt: 1/2" Wheel Size: 8" x 2" Wheel Type: Pro-U Grey with Roller Bearing Capacity: 1000 lb per Wheel Load Height: 9-1/2" Swivel Radius: 6-1/2" Approx. Weight: 5-1/2lb each 1000 lb Cap. Each Wheel Please contact us for bulk pricing if you require more then a couple sets. We can accommodate pallet size quantities.	

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407	1	Qty (24) Brand New SRC 4 inch Universal Caster Wheels With Brakes (6) Complete Sets, Flat Top Plate, Polpropylene, Swivel, Brakes, 175 lbs Per Wheel	
408	1	Qty (24) Brand New SRC 4 inch Universal Caster Wheels With Brakes (6) Complete Sets, Flat Top Plate, Polpropylene, Swivel, Brakes, 175 lbs Per Wheel	
409	1	Qty (24) Brand New SRC 4 inch Universal Caster Wheels With Brakes (6) Complete Sets, Flat Top Plate, Polpropylene, Swivel, Brakes, 175 lbs Per Wheel	
410	1	Qty (24) Brand New SRC 4 inch Universal Caster Wheels With Brakes (6) Complete Sets, Flat Top Plate, Polpropylene, Swivel, Brakes, 175 lbs Per Wheel	
411	1	Qty (24) Brand New SRC 4 inch Universal Caster Wheels With Brakes (6) Complete Sets, Flat Top Plate, Polpropylene, Swivel, Brakes, 175 lbs Per Wheel	
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416	1	Qty (24) Brand New SRC 4 inch Universal Caster Wheels With Brakes (6) Complete Sets, Flat Top Plate, Polpropylene, Swivel, Brakes, 175 lbs Per Wheel	
417	1	Make: Carver Destaco Model: T402-12 Type: Heavy Duty 300mm (12") T Slot Clamp Type: T-Slot Style Capacity: 8,000 LBS (1) 402-2 (1) 402-12-1	
418	1	Make: Carver Destaco Model: T402-12 Type: Heavy Duty 300mm (12") T Slot Clamp Type: T-Slot Style Capacity: 8,000 LBS (1) 402-2 (1) 402-12-1	

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422	1	(6) Ingersoll Rand Model: 7802A Pneumatic Power Drill Guns, 3/8 in Jacobs Drill Chucks, 90 psig, Pistol Grip, 2,000 RPM	
423	1	(6) Ingersoll Rand Model: 7802A Pneumatic Power Drill Guns, 3/8 in Jacobs Drill Chucks, 90 psig, Pistol Grip, 2,000 RPM	
424	1	(6) Ingersoll Rand Model: 7802A Pneumatic Power Drill Guns, 3/8 in Jacobs Drill Chucks, 90 psig, Pistol Grip, 2,000 RPM	
425	1	(6) Ingersoll Rand Model: 7802A Pneumatic Power Drill Guns, 3/8 in Jacobs Drill Chucks, 90 psig, Pistol Grip, 2,000 RPM	
426	1	(6) Ingersoll Rand Model: 7802A Pneumatic Power Drill Guns, 3/8 in Jacobs Drill Chucks, 90 psig, Pistol Grip, 2,000 RPM	
427	1	Formax FD6600 2-Station Digital Paper Folder Inserter Digital Envelope Make: Formax Model: FD6600 Serial Number: 05DL5254 The highly versatile Formax FD 6600 Std 2-Station Folder/Inserter adapts to most any folding and inserting application. With the AutoSet feature, all settings such as fold type, fold length, envelope size, paper length, and double-document detection are set automatically. The central control panel features graphic and text prompts, and its 20 programmable jobs make operation a breeze, with the push of a button. This folder/inserter utilizes electromechanical detectors which can operate with any print density, paper color, thickness or paper dust. Documents requiring inspection are diverted automatically, without interruption. Features Features 2 fully automatic sheet feeders Fold types: C V Z and Double Parallel and no fold Fold and/or insert sheets business reply envelopes (BRE) and cards automatically in almost any combination Multifeeding - Allows for a set number of pieces to be pulled from one feeder then collated folded and inserted automatically Large power stacker can hold up to 500 filled envelopes with reverse stacking output to maintain original order of documents Accurately folds up to 8 sheets of paper at the same time Processes at a rate of up to 4,300 pieces per hour and can handle up to 325 sheets in each feeder Two double-document detectors provide exceptional security diverter sensors redirect double documents and incomplete sets without interruption AutoSet feature automatically detects and sets paper length fold type envelope size fold length and double document detection 20 programmable fold settings for recurring or frequently processed applications Feed Method Automatic Fixed Speed 4300 Forms per Hour Duty Cycle (Monthly) 80000 Min Paper Size 3 1/2" x 5" Max Paper Size 9" x 14" Min Envelope Size 3 1/2" x 5 1/2" Max Envelope Size 6" x 9 1/2" Standard Folds C, V, Z, Double Parallel, and No Fold Automatic Feed Sheet Capacity (20# paper) 8 Sheets Number of Sheet Feed Trays 2 Envelope Feeder Capacity 500 Digital Display Yes Paper Jam Detection Yes Programmable Jobs Yes Voltage 115 V Hertz 60 Hz UL /CUL Listed Yes Product Dimensions 59" x 16 1/2" x 36" Shipping Weight 345 lbs	
428	1	Lot of Assorted ACE Metric Thread Measures, TruArc Pliers, Masonry Drill Bits & More	
429	1	Assorted Lot Including Heat Lamp, Model 5810 Ionizer, Assorted Electrical Cables, Circuit Boards, Optical Gaging Mercury Arc Power Supply	
430	1	Large assorted lot of Hayward valves, ball joints, couplers, PVC, SS valves, & more	
431	1	Endress + Hauser Prowirl D 200, Foxboro Valve Flowmeters	
432	1	Large Lot Of Assorted Bray, FlowTek Automator Valves, Pneumatics, Control Systems	
433	1	Hundreds of assorted pin gauges .105 up to 2 inch, Brands to include Sheffield, Dundick, Lincoln, Bendix, Hemco, GSG, Federal and others	