

WEBCAST AUCTION OF LARGE CAPACITY MOLD & DIE SHOP INCLUDING LATE MODEL FIVE-AXIS OKUMA CNC MILL, LATE MODEL MORI SEIKI CNC TC'S, LATE MODEL OKUMA & MAKINO CNC VMC'S & HMC'S, LATE MODEL MITSUBISHI & MAKINO EDM'S, LARGE HBM'S, HYDRAULIC DIE TRYOUT PRESSES, GRAPHITE MILLS, LARGE CAPACITY SURFACE GRINDERS, TOOLROOM & SHOP EQUIPMENT

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WEBCAST AUCTION

Surplus Equipment to SR Precision Holdings, The Former Assets of

MUELLER MACHINE & TOOL CO., LLC

5932 Jackson Avenue – Berkeley (St.Louis), Missouri 63134

4 Miles East of St.Louis Lambert International Airport

SALE DATE: WEDNESDAY, AUGUST 3RD AT 9:00 AM LOCAL

INSPECTION: Day Prior from 10AM to 4PM or by appointment with joe@cia-auction.com



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(2) Makino Model V77 CNC VMCs (2004)



Makino V55 CNC VMC



Makino V33 CNC VMC



Leblond Makino GN2012 CNC VMC



(2) Okuma MX-45VAE CNC VMCs



Makino Model V99L CNC VMC(2008)

FIVE-AXIS CNC VMC

Okuma Model MU-6300V-L Five-Axis CNC Vertical Machining Center; S/N 203116, Okuma OSP-P300SA-H, 1,000 PSI High Pressure Coolant Thru-Spindle, 10,000 RPM, HSK-100 Spindle, 36.4" X-Axis, 41.3" Y-Axis, 23.6" Z-Axis, 64-Position ATC, Chip Conveyor, Tool Breakage Sensor, 32.68" X 21.65" Max. Machining Volume, 24.80" Table Size, 22/18.5 HP Motor, 1,969 IPM Rapid Traverse, Cutting Hours Showing: 1,219 (New 2017) **Subject to High Bid Confirmation or Withdraw**

CNC BRIDGE MILLS

(2) Feeler Model FV-3224 CNC Double Column Bridge Mills; S/N FF177, S/N FF449, Fanuc 18i-MB Control, 86" X 118" Table, 165" X-Axis, 95" Y-Axis, 35" Z-Axis, 50 Taper, 6,000 RPM, 24,000 Lb Max Payload, 60-Position ATC (S/N FF177), 30-Position ATC(S/N FF449), Chip Conveyor (New 2012 & 2011)

CNC TC'S

Mori Seiki Model NLX4000BY/750 CNC Turning Center w/ Live Tooling; S/N

402131109, 18" Chuck, 28.3" Max Swing Over Bed, 30.7" Max Swing Over Cross Slide, 19.6" Max Turning Diameter, 28.3" Max Length, 12.4" X-Axis, 34.4" Y-Axis, 4.7" Z Axis, 7.28" Thru Spindle Hole, 1500 RPM, LNS Chip Conveyor, 12-Position Turret, Cutting Hours Showing: 5,275 (New 2013)

(4) Von Ruden Right Angle Live Toolholders

Mori Seiki Model NL3000MC/1250 CNC Turning Center w/ Live Tooling; S/N NL301EG0241, 12" Chuck, 12-Station Turret, Tailstock, Chip Conveyor, Cutting Hours Showing: 7,968 (New 2005)

(4) WTO Type 4105 Right Angle Live Toolholders

Mori Seiki Model NLX2500Y/700 CNC Turning Center; S/N NL254120510, 10" Chuck, 23.5" Max Swing Over Bed, 29.2" Max Swing Over Cross Slide, 14.02" Max Turning Diameter, 27.7" Max Length, 10.2" X-Axis, 3.9" Y-Axis, 31.3" Z Axis, 3.58" Thru Spindle Hole, LNS Chip Conveyor, 4,000 RPM, 12-Position Turret (New 2012)

Mori Seiki Model NLX1500MC/500 CNC

Turning Center w/ Live Tooling; S/N NL152140404, 6" Chuck, 22.07" Max Swing Over Bed, 29.7" Max Swing Over Cross Slide, 15.1" Max Turning Diameter, 20.2" Max Length, 10.2" X-Axis, 23.2" Z Axis, 2.40" Thru Spindle Hole, LNS Chip Conveyor, 6,000 RPM, 12-Position Turret, Cutting Hours Showing: 4,174 (New 2014)

CNC HMC'S

Makino Model A92 CNC Horizontal Machining Center; S/N 1, Professional 5 Control, 31.5" X 39.5" Pallets, 59" X-Axis, 49" Y-Axis, 53" Z-Axis, 50 Taper Spindle, 8,000 RPM, 1-Degree Indexing, 92-Position ATC, 4,400 Lb Max Payload, Tool Breakage Sensor, 300 PSI Thru-Spindle Coolant, Chip Conveyor, (New 2006 -Makino Demo Until 2012)

Makino Model A99 CNC Horizontal Machining Center; S/N 99, Professional 3 Control, 31.5" X 31.5" Pallets, 39" X-Axis, 39" Y-Axis, 37" Z-Axis, 50 Taper Spindle, 12,000 RPM, 1-Degree Indexing, 1,000 PSI Thru-Spindle Coolant, 40-Position ATC, 3,900 Lb Max Payload, Chip Conveyor, Rigid Tapping (New 1999)



Makino Model A92 CNC HMC (Demo Model Until 2012)

31-1/2" x 39" Pallets



Mori Seiki Model NLX4000BY/750 CNC TC w/ Live Tooling (2013)



Mori Seiki Model NL3000MC/1250 CNC TC w/ Live Tooling (2005)



Mori Seiki Model NLX2500Y/700 CNC TC (2012)



Mori Seiki Model NLX1500MC/500 CNC TC w/ Live Tooling (2014)

(3) Haas EC-500-4AX CNC Horizontal Machining Center

CNC VMC'S

(2) Okuma Model MA-650VB CNC Vertical Machining Centers; S/N

188307 (Cutting Hours Showing: 10,767), S/N 190056 (Cutting Hours Showing: 10,371), 26" X 60" Table, 60" X-Axis, 25" Y-Axis, 24" Z-Axis, 50 Taper, 48-Position ATC, 3,300 Lb Max Payload (New 2015)

Makino Model V99L CNC Vertical Machining Center; S/N 123, Professional 5 Control, 39" X 90" Table, 78" X-Axis, 39" Y-Axis, 31" Z-Axis, HSK-A100 Spindle, 18,000 RPM, 210 PSI Coolant Thru-Spindle, 30-Position ATC, 8,800 Lb Max Payload, Chip Conveyor, Rigid Tapping (New 2008)

Makino Model V77 CNC Vertical Machining Center; S/N 267, Professional 5 Control, 27.5" X 55" Table, 47" X-Axis, 27.5" Y-Axis, 25.5" Z-Axis, HSK-A100 Spindle, 18,000 RPM, Chip Blaster High Pressure Coolant, 30-Position ATC, 2,200 Lb Max Payload, Chip Conveyor, Rigid Tapping (New 2004)

Makino Model V77 CNC Vertical

Machining Center; S/N 375, Professional 5 Control, 27.5" X 55" Table, 47" X-Axis, 27.5" Y-Axis, 25.5" Z-Axis, HSK-63A, 30,000 RPM, 30-Position ATC, 2,200 Lb Max Payload, Chip Conveyor (New 2005)

Makino Model V55 CNC Vertical Machining Center; S/N 1029, Professional 3 Control, 19.5" X 39.4" Table, 35" X-Axis, 19" Y-Axis, 19.6" Z-Axis, HSK-63A Spindle, 14,000 RPM, 25-Position ATC, 1,540 Lb Max Payload (New 2000)

Makino Model V33 CNC Vertical Machining Center; S/N 126, Professional 3 Control, 15.7" X 29.5" Table, 23.6" X-Axis, 15.7" Y-Axis, 13.7" Z-Axis, 40 Taper Spindle, 20,000 RPM, 25-Position ATC, 600 Lb Max Payload, Rigid Tapping (New 2000)

Leblond Makino Model GN2012 CNC Vertical Machining Center; S/N A94-26, Professional 3 Control, 48" X 98" Table, 80" X-Axis, 47" Y-Axis, 27" Z-Axis, 8,000 RPM, 30-Position ATC (1994)

Leblond Makino Model FNC-128 CNC Vertical Machining Center; S/N N/A, Fanuc 6M Control, 31" X 71" Table, 50 Taper Spindle,

2,500 RPM
Okuma MC60VAE CNC Vertical Machining Center; S/N 0095, OSP-5020M Control, 25" X 60" Table, 50 Taper Spindle, 5,000 RPM, 20-Position ATC

Okuma Model MX-45VAE CNC Vertical Machining Center; S/N 9026, OSP700M Control, 20" X 40" Table, 30" X-Axis, 18" Y-Axis, 17" Z-Axis, 40 Taper Spindle, 7,000 RPM, 32-Position ATC

Okuma Model MX-45VAE CNC Vertical Machining Center; S/N 0879, OSP700M Control, 20" X 40" Table, 30" X-Axis, 18" Y-Axis, 17" Z-Axis, 40 Taper Spindle, 12,000 RPM, 20-Position ATC

Okuma Model MC-4VA CNC Vertical Machining Center; S/N N/A, 16" X 40" Table, 20-Position ATC, 4,000 RPM, 40 Taper Spindle

Fadal Model VMC4020HT CNC Vertical Machining Center w/ 8" Fadal Rotary 4th Axis; S/N 012006058916, Fadal CNC 32MP Control, 20" X 40" Table, 40" X-Axis, 20" Y-Axis, 28" Z-Axis, 40 Taper, 21-Position ATC, (New 2006)



Makino Model A99 CNC HMC



3) Haas EC-500-4AX CNC Horizontal Machining Center w/ Full 4th **Located Offsite



Large Quantity of Angle Plates Including up to 48" X 48"



Makino EDAF3 CNC Die Sinker EDM (2013)



Mitsubishi FA10PM CNC Wire EDM (2002)



(6) Makino EDNC85W, EDNC85, EDNC65 CNC Die Sinker EDM's



5" G&L CNC Horizontal Boring Mill



4" Kuraki Model KBT-10DX-A CNC Table Type Horizontal Boring Mill



Mitsubishi FA30VM CNC Wire EDM (2006)

CNC DRILL & TAP

Haas Model DT-1 CNC Vertical Drill & Tap Center; S/N 1115425, 15" X 26" Table, 30 Taper, 20-Position ATC (New 2014)

CNC HBM'S

4" Kuraki Model KBT-10DX-A CNC Table Type Horizontal Boring Mill; S/N 409650, Fanuc 15M Control, 37" X 43" Table, 59" X-Axis, 39" Y-Axis, 31" Z-Axis, 20" W-Axis, 50 Taper, 2,500 RPM, 6,600 Lb Max Payload, 40-Position ATC,

5" G&L Model PC-50 CNC Horizontal Boring Mill; S/N N/A, 4' X 8' Table, 50 Taper, 30 HP Motor, Machine No. B-20 (Retrofitted Fagor CNC Control)

5" G&L CNC Horizontal Boring Mill; S/N N/A, 4' X 4' Table, 50 Taper, 30 HP Motor, Machine No. B-5 (Retrofitted Fagor CNC Control)

4" G&L Model PC-40 CNC Horizontal Boring Mill; S/N 445-04-81, 4' X 8' Table, 50 Taper, 30 HP Motor, Machine No. B-4 (Retrofitted Fagor CNC Control)

5" Pratt & Whitney Viking Model 96A30 CNC Horizontal Boring Mill; 4' X 8' Table, 96" X-Axis, 59" Y-Axis (Retrofitted Fagor CNC Control)

Lucas Model 441B72 Horizontal Boring Mill w/DRO; 4' X 6' Table

4" Lucas Horizontal Boring Mill w/DRO; 48" X 72" Table

3" Lucas Model 275-40 Horizontal Boring Mill w/DRO; 26" X 30" Table, 40 Taper

ELECTRIC CHUCKS

Technomagnete Tombstone w/ Controller
(3) 16" X 36" Earth Chain Model EEPM-50100W Electromagnetic Chucks

(3) 16" X 36" Technomagnete Model SQ510HD7 Electromagnetic Chucks

(3) 16" X 36" Technomagnete Model SQ410HD75 Electromagnetic Chucks

(3) Other Electromagnetic Chucks

MACHINE ACCESSORIES & TOOLING

Heat Shrink Machine w/ Shower & Cooler

(350) CAT 50 Taper Toolholders

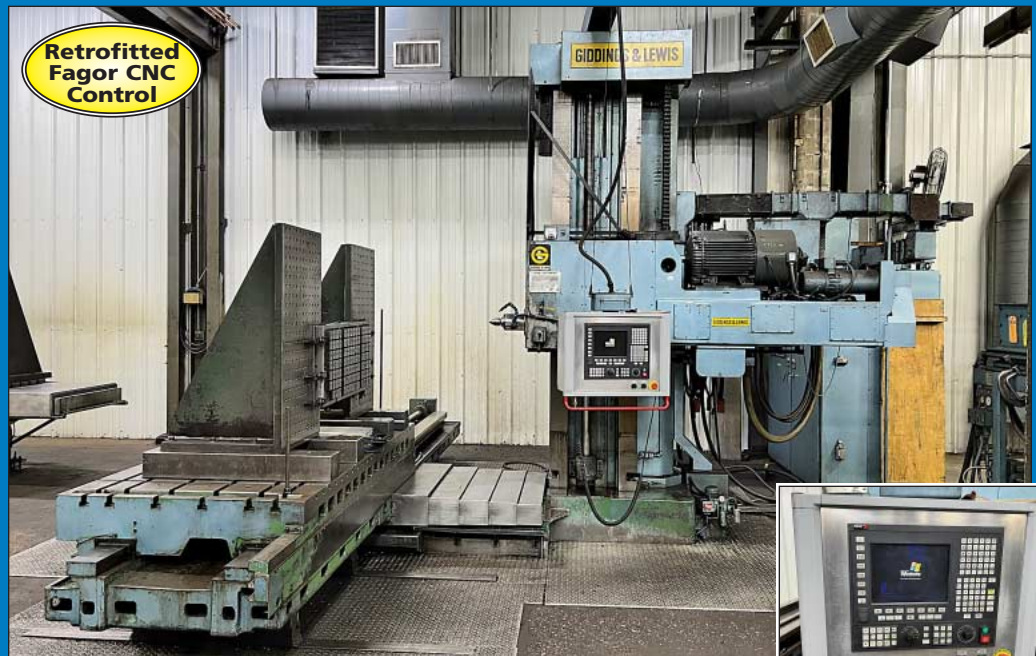
(100) HSK100 Taper Toolholders

Komet Toolholder

Rotary Tables Including; 48" X 72", 36" X 36", 30" X 30", 26" X 26"

Large Quantity of Angle Plates Including; (2) 48" X 48", (2) 24" X 72", (2) 24" X 48", (2) 16" X 48", (8) 8" X 60", (2) 8" X 36"

Large Quantity of 8" Kurt Vises, 6"



5" G&L Model PC-50 CNC Horizontal Boring Mill



**NEW
2010**

Wenzel Model X0107 CMM (2010)



**NEW
2016**

Faro Edge CMM Arm w/ Scanner (2016)



Inspection Equipment

Vises, Kurt Double Chuck Visers

CNC GRAPHITE MILLS

Makino Model SNC64 CNC Graphite Vertical Machining Center; S/N 737, 16" X 30" Table, 23" X-Axis, 15" Y-Axis, 15" Z-Axis, HSK-F63 Spindle, 30,000 RPM, 15-Position ATC, 550 Lb Max Payload, w/ Dust Collector (New 2005)

Makino Model SNC86 CNC Graphite Vertical Machining Center; S/N A95-235, 24" X 40" Table, Professional A Control, 15,000 RPM, 30-Position ATC, w/ Amano Dust Collector

Makino Model SNC64 CNC Graphite Vertical Machining Center; S/N A94-218, 16" X 30" Table, 15,000 RPM, 5-Position ATC

CNC GUN DRILL

Ixon Model TL1004 CNC Gun Drill; S/N 950203, 25" X 60" Table

DUST COLLECTORS

Torit Dust Collector
Cyclone Type Dust Collector

CNC EDM'S

Mitsubishi Model MV2400S CNC Wire EDM; S/N 56DM2920, 25" X 33" Table, 34" X 42" x 18" H Chamber, 23" X-Axis, 15" Y-Axis, 16" Z-Axis, 3,300 Lb Max Payload (New 2016)

Mitsubishi Model FA30VM CNC Wire EDM; S/N 55F3V166, 34" X 43" Table, 40" X 52" X 24" Chamber, 29" X-Axis, 19" Y-Axis, 13" Z-Axis, (New 2006)

Makino Model EDAF3 CNC Die Sinker EDM; S/N E80274, 27.5" X 19.7" Table, 24" X 32" X 18" Chamber, 17.7" X-Axis, 13.8" Y-Axis, 13.8" Z-Axis, 1,760 Lb Max Payload, 16-Position ATC (New 2013)

Mitsubishi Model FA10PM Wire EDM; S/N 03F1P117 (New 2002) **Machine

Disassembled by Mitsubishi Tech Early 2022**

Mitsubishi Model FX10 Wire EDM; S/N 56E10382

Makino Model EDNC85W CNC Die Sinker EDM

(2) **Makino Model EDNC85 CNC Die Sinker EDMs**

(3) **Makino Model EDNC64 CNC Die Sinker EDMs**

CMM'S

Wenzel Model X0107 CMM; S/N 9101079 (New 2010)

Faro Model Edge CMM Arm; S/N E09-05-16-13758, w/Scanner (New 2016)

DEA Epsilon Model 2304 CMM; S/N 00075, w/ Renishaw PH10M Head

G&L Cordax Model RS-5 CMM



Haas DT-1 CNC Vertical Drill & Tap Center (2014)



14" Optical Comparator w/ DRO



**NEW
2005**

Makino Model SNC64 CNC Graphite VMC (2005)



(13) Electromagnetic Chucks



Makino Model SNC86 CNC Graphite VMC



160 TON

110 Ton Reis Model TUS125 OK Hydraulic Die Spotting Press



160 TON

160 Ton Reis Model TUS160 OK Hydraulic Die Spotting Press



150 Ton Dake Traveling Head Straightening Press w/ 12' Table



60" Mattison Rotary Surface Grinder



10" X 20" Brown & Sharpe 1020U Cylindrical Grinder



Large Quantity of Machine Accessories



4' X 10' Magnetic Chuck

4' X 10' Mattison CNC Hydraulic Surface Grinder w/ Fanuc Powermate Control

DIE TRYOUT PRESSES

160 Ton Reis Model TUS160 OK Hydraulic Die Spotting Press; S/N 895, 60" X 72" X 63" Die Space, Table Tilts, Upper Platen Rolls Out, Wax Injection Unit

110 Ton Reis Model TUS125 OK Hydraulic Die Spotting Press; S/N 03040, 48" X 60" X 53" Die Space, Table Tilts, Upper Platen Rolls Out, Wax Injection Unit

STRAIGHTENING PRESS

150 Ton Dake Model 19-390 Traveling

Head Straightening Press; S/N 169537, 12' Table

GRINDERS – ALL TYPES

4' X 10' Mattison CNC Surface Grinder; S/N 24746, GE Fanuc Power Mate Control

36" X 60" Gallmeyer & Livingston Model F Surface Grinder; S/N 1143672

24" X 48" Gallmeyer & Livingston Model A Surface Grinder; S/NA-244248

10" X 24" Norton Model N24VAI Surface Grinder

10" X 20" Brown & Sharpe Model 1020U Cylindrical Grinder

10" X 30" Brown & Sharpe No. 1 Cylindrical Grinder

60" Mattison Rotary Surface Grinder; 125HP Motor, Coolant Filtration

48" Mattison Rotary Surface Grinder; 75HP Motor, Coolant Filtration

24" Blanchard No. 11 Rotary Surface Grinder; S/N 11C2

Cincinnati Milacron Monoset Tool Grinder



48" X 132" Monarch Lathe w/DRO



(13) 2 HP Bridgeport Vertical Mills w/ DRO ((6) Black Label)



Hardinge HLV-H Lathe w/DRO



SIP Model HYDR-6A Jig Borer w/DRO

LATHES

48" X 132" Monarch Lathe w/DRO;
Steady Rest
20" X 54" Monarch Lathe; S/N 43183, 14" Chuck
16" X 54" Monarch Lathe; S/N 43381, 12" Chuck
14" X 40" Birmingham YCL-1440GH Gap Bed Lathe w/DRO
Hardinge HLV-H Lathe w/DRO
Schaner VA38 Speed Lathe

LIFT TRUCKS

20,000 Lb Clark Diesel Dually Pneumatic Tire Lift Truck
15,000 Lb Eagle LP Gas Lift Truck
5,000 Lb Komatsu LP Gas Lift Truck

INSPECTION EQUIPMENT

30" Ex-Cello Optical Comparator w/DRO
14" Optical Comparator
8' X 16' Granite Surface Plate
36" X 60" Granite Surface Plate
Large Quantity of Inspection Equipment Including: Large Micrometers, Height Gauges, Calipers, Pin Gages, & More

TOOLROOM MACHINERY

(6) 2 HP Bridgeport Black Label Vertical Mills w/ DROs

(6) 2 HP Bridgeport Vertical Mills w/ DROs
1.5 HP Bridgeport Vertical Mill w/DRO
K&T Model S-15 Vertical Mill
5' Arm X 13" Col. American Radial Arm Drill
3' Arm X 11" Col. Fosdick Radial Arm Drill
Pratt & Whitney Model 3B Jig Borer w/DRO; S/N 23467, 24" X 56" Table
Pratt & Whitney Model 2A Jig Borer
SIP Model HYDR-6A Jig Borer w/DRO; S/N 7107, 33" X 43" Table
Moore Model G-18 Jig Grinder
Darex T3000 Drill Sharpener

WELDERS

650 Amp Miller Model 652 Welder
350 Amp Miller Syncrowave 351 Tig Welder w/Cooler
350 Amp Miller Syncrowave 350 Tig Welder
(2) 300 Amp Miller CP302 Welders w/ 22A Wire Feeders
250 Amp Miller Syncrowave 250DX Tig Welder
250 Amp Miller Syncrowave 250 Tig Welder w/Cooler
Aimco Plasma Cutter
H.D Welding Tables

FABRICATION EQUIPMENT

30" X 60" Dual Draft Down Draft Grinding Table
30" X 30" Down Draft Grinding Table
36" DoAll Vertical Bandsaw
20" Everett Chop Saw
12" X 12" DoAll Horizontal Band Saw
52" Pexto Kick Shear

AIR COMPRESSORS

75 HP Ingersoll Rand Model R551 Air Compressor (New 2014)
____ HP Gardner Denver Air Compressor
Kaeser Model TE91 Air Dryer

SHOP EQUIPMENT

(25) Maple Top Lista Workbenches w/ Tooling Cabinets
(20) Lista Tooling Cabinets w/ Tooling
Large Quantity of Shop Equipment Including: Two-Door Stronghold Cabinets, Dump Hoppers, Workbenches, Die Carts, Pallet Rack,
5,000 Lb Eriez Lifting Magnet
Gansow Model CI71 Electric Walk Behind Floor Scrubber



5' Arm X 13" Col. American Radial Arm Drill



36" DoAll Vertical Bandsaw



Pratt & Whitney Model 3B Jig Borer w/DRO



30" Ex-Cello Optical Comparator w/DRO



Lista Tooling Cabinets



Lista Workbenches



Miller Welders



(400+) Toolholders, HSK, 50 & 40 Taper



Heat Shrink Machine w/ Shower & Cooler



Lift Trucks up to 20,000 Lb Capacity

WEBCAST AUCTION

Surplus Equipment to SR Precision Holdings, The Former Assets of

MUELLER MACHINE & TOOL CO., LLC

5932 Jackson Avenue

Berkeley (St.Louis), Missouri 63134

4 Miles East of St. Louis Lambert International Airport

SALE DATE:

Wednesday, August 3rd
STARTING AT 9:00 AM LOCAL

INSPECTION:

Day Prior from 10:00 AM to 4:00 PM or by appointment with joe@cia-auction.com



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CNC TC's



CMM's



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WEDNESDAY, AUGUST 3RD

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Berkeley (St.Louis), Missouri 63134
4 Miles East of St. Louis Lambert International Airport

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AUCTIONEERS

Cincinnati Industrial Auctioneers, Inc.

Jeffrey L. Luggen
Joseph M. Luggen



TERMS OF SALE

All equipment described herein will be sold "as is", "where is" to the highest bidder or bidders for cash in accordance with our regular terms and conditions of sale. Unless other satisfactory arrangements are made, a **25% deposit** in cash, certified or cashier's check payable to Cincinnati Industrial Auctioneers, Inc., **is required on all purchases.** Firm and personal checks accepted only if accompanied by a letter from your bank guaranteeing your funds. All sales are subject to state and/or local taxes unless a signed exemption form is presented at the time of purchase. **All balances are due at the conclusion of the sale.** No merchandise may be removed while the sale is in progress. **All bidders must comply with our Standard Terms of Sale,** copies of which will be available at the sale site or can be obtained from our website.

18% BUYERS FEE
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Machnet, Inc.
2444 Wilshire Blvd, Suite 412
Santa Monica, CA 90403
Phone 310-909-2020
www.machnet.com | gene@machnet.com