

EXCEPTIONALLY WELL MAINTAINED LARGE CAPACITY MACHINE TOOLS FROM A WORLD CLASS MANUFACTURING FACILITY

PUBLIC AUCTION

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**NEW
1994**



4.33" Toshiba Shibaura Model LTD-11E.R16 Five-Axis Rotary Table Type CNC Horizontal Boring Mill

**NEW
1995**



Boko Model WF-4/12 Six-Axis CNC Rotary Table Universal Boring & Milling Machine

**NEW
2003**



Jung Model C740-D Multi-Axis CNC Slot, Surface, Profile & Creep Feed Grinder

**NEW
2000**



Okuma Crown L1060 Type 762S Two-Axis Slant Bed CNC Turning Center

**NEW
1997**



**FULL
FOURTH**

Makino Model A77 Two-Pallet CNC Horizontal Machining Center

Featuring: Boko WF-4/12 Six-Axis CNC Universal Boring & Milling Machine (1994), 4.33" Toshiba LTD-11E.R16 Five-Axis CNC Boring Mill (1994), Jung C-740D CNC Profile & Surface Grinder (2003), Makino A-77/MC-98/MC-86 CNC HMC's, Makino GN107 Die Mold VMC, (3) Makino Die Sinker & Wire CNC EDM's, Okuma Crown L1060 CNC Lathe (2000), Karstens CNC & Manual Cylindrical Grinders, Mahr MX-4 CNC Measuring System (2004), Maho MH400C CNC HMC, 30" Blanchard Rotary Surface Grinder, HEM Tilt Frame Automatic Band Saw, Bridgeport Mills, Lathes, Grinders, Dust Collectors, Jib Cranes, Tooling, Shop & Support Equipment

SURPLUS EQUIPMENT OF



11135 Deerfield Road – Cincinnati, Ohio 45242
15 Miles North of Downtown Cincinnati off I-71

SALE DATE:
Wednesday,
September 1st
Starting at 10:00 AM

INSPECTION:
Tuesday, Aug. 31st
10:00 AM to 4:00 PM

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WEDNESDAY, SEPTEMBER 1ST



**NEW
1994**

4.33" Toshiba Shibaura Model LTD-11E.R16 Five-Axis Rotary Table Type CNC Horizontal Boring Mill



**NEW
1995**

Boko Model WF-4/12 Six-Axis CNC Rotary Table Universal Boring & Milling Machine



**NEW
2003**

Jung Model C740-D Multi-Axis CNC Slot, Surface, Profile & Creep Feed Grinder



**NEW
2005**

Mahr Model Primar 4XR Four-Axis CNC Measuring Machine

CNC HORIZONTAL BORING MILL

4.33" Toshiba Shibaura Model LTD-11E.R16 Five-Axis Rotary Table Type CNC Horizontal Boring Mill; S/N 143497, Tosnuc 7-3-2 CNC Control w/ Pendant, 4.33" Spindle Dia., 8.86" Milling Spindle Dia., 63" X 55" T-Slotted Rotary Table, 13,890 LB Max Table Load, 24.8" W-Axis, 59" Y-Axis, 78" X-Axis, 57" Z-Axis, No. 50 Taper Spindle, Spindle Speeds from 5 - 1,000 RPM, 60-Position ATC, Renishaw M112 Machine Interface, Daikin AKS205K Oilcon Automatic Oil Temperature Regulator, Chip Conveyor, Coolant (**New 1994**)

SEE PHOTO

CNC UNIVERSAL BORING & MILLING MACHINE

Boko Model WF-4/12 Six-Axis CNC Rotary Table Universal Boring & Milling Machine; S/N 818, GE Fanuc Series 15M CNC Control w/ Pendant, 72" X 48" T-Slotted Rotary Table, 65" X 42" Drilled & Tapped Sub Table, 7.5 Metric Ton Max Table Workload, 94.5" X-Axis, 47.2" Y-Axis, 34" Z-Axis, 11.8" W-Axis, 360 Degree C-Axis, 90 Degree B-Axis, 48.4" Throat, 114-Position ATC, No. 50 Taper Spindle, Spindle Speeds from 22 - 3,150 RPM, 44 HP Drive Motor, Renishaw M114 Control, Renishaw M15 Machine Interface, Renishaw PSU3 Power Supply Unit, Rittal Power Supply, Coolant Pump, Coolant w/ Sludge Screen, Rittal Electrical Panel, 60 KVA Transformer (**New 1995**)

SEE PHOTO

CNC SURFACE & PROFILE GRINDER

Jung Model C740-D Multi-Axis CNC Slot, Surface, Profile & Creep Feed Grinder; S/N 8171, Siemens Sinumerik 840D CNC Control w/ Pendant, Not Equipped with Magnetic Chuck Instead Equipped with Model EA420 CNC Indexing Head w/ Tailstock - 400MM Centers & 50MM Spindle Bore, Automatic Pivoted CNC Dressing Tool, 430MM X 800MM Table Working Surface, 510MM X 880MM Grindable Surface, 1100MM X-Axis, 585MM Y-Axis, 460MM Z-Axis, 735MM Spindle Center, 400MM Dia. X 50MM Wide X 127MM Bore Grinding Wheel, 15 KW Grinding Spindle Motor, Coolant Tank w/ Sludge Filter, Transformer, Complete Spec Sheet Available (**New 2003**)

SEE PHOTO

CNC MEASURING MACHINE

Mahr Model Primar 4XR Four-Axis CNC Measuring Machine; S/N 902-9699, The Primar Machine is Novel Form Measuring, Gear Testing and Coordinate Measuring Machine, 12" X-Axis, 12" Y-Axis, 28" Z-Axis, C-Axis Rotary Table, 200 MM / Sec. Positioning Speed, 50 MM / Sec. Measuring Speed, PC System, Control (**New 2005**)

SEE PHOTO

WEBCAST BIDDER INSTRUCTIONS

- All Internet bidders must register for this auction at www.bidspotter.com at least 48-Hours Prior to the Sale Date, **if you do not you will not be approved.**
- All Internet bidders must Post a Deposit of Approx. 25% of Your Planned Spending Budget or \$5,000 Minimum with Cincinnati Industrial Auctioneers in Order to be approved to Bid. Those who do Not Post the Deposit Will Not be Approved. **Period.**
- Only Major Items Will be Available for Online Bidding. Please refer to the Listing on www.bidspotter.com for Available Online Items.
- There is a 15% Buyer's Premium in Effect for All Online Purchases.
- We Highly Recommend that Potential Buyers Attend this Auction & Bid Live Onsite. This will give you the Ability to Inspect the Items & Fully Appreciate Their Condition, Along with Saving You 3% of the Buyer's Premium.



No Last Minute Registrations will be accepted. Make Sure to Register & Post Your Deposit No Later than 48-Hours Prior to the Start of the Auction.



METALEX MANUFACTURING, INC.



Makino Full A-Axis Head Attachment For Makino MCF Model CNC HMC

CNC HORIZONTAL MACHINING CENTERS

Makino Model A77 Two-Pallet CNC Horizontal Machining Center; S/N 375, Makino Professional 3 CNC Control, (2) 24-3/4" X 24-3/4" T-Slotted Pallets, .001 Degree Full 4th-Axis Indexing, 31.5" X-Axis, 29.5" Y-Axis, 30.3" Z-Axis, HSK-100A Spindle Taper, Spindle Speeds to 10,000 RPM, 90-Position Rack Type Tool Changer, Makino CTS System, Coolant Tanks w/ Sludge Filter, Kanto Seiki Oilmatic Automatic Temperature Regulator (New 1997) **SEE PHOTO**

> **12-1/2" Tsudakoma Model RNOBK-302R1 CNC Indexing Table;** S/N 970781

Makino Model MC98-5XR-A99 Two-Pallet CNC Horizontal Machining Center; S/N 98-511-7, Makino Professional 3 CNC Control, (2) 24-3/4" X 24-3/4" T-Slotted Pallets, .001 Degree Full 4th-Axis Indexing, 36" X-Axis, 32" Y-Axis, 29" Z-Axis, 2,860 Lbs. Max Table Load, No. 50 Taper Spindle, 15,000 RPM Spindle, 99-Station ATC, Oilmatic Oil Cooler, "Flush Fine" Machining System, 40HP Spindle Motor, Glass Scales on all Axes, Data Server, Cylindrical Interpolation, SGI Super Geometric Intelligence, Helical Interpolation, Loads of Other Options, Makino CTS System, Coolant Tanks w/ Sludge Filter, Chip Conveyor, Renishaw Touch Probe, Call for complete spec sheet (New 1998) **SEE PHOTO**

> **12-1/2" Tsudakoma Model RNCBK-302R1 CNC Indexing Table;** S/N 770777

Leblond Makino Model MC86-A60 Two-Pallet CNC Horizontal Machining Center; S/N A62-71, Fanuc 11M Control, (2) 24-3/4" X 24-3/4" T-Slotted Pallets, 32" X-Axis, 25" Y-Axis, 25" Z-Axis, 60-Position ATC, No. 50 Taper, 100 Kg Max Load on Pallet, Spindle Speeds to 4000 RPM, Renishaw MP3 Probe Head, Coolant Tank w/ Sludge Separator, Norton Hydraulic Pump, Tokyo Keiki Hydraulic Pump, Transformer, Chip Conveyor (New 1986) **SEE PHOTO**

Maho Model MH-700C CNC Horizontal Machining Center; S/N 76192, Maho CNC 432 Control, 24-3/4" Dia. T-Slotted Rotary Table, 27-1/2" X-Axis, 17-1/2" Y-Axis, 19-1/2" Z-Axis, Vertical Head Attachment, Spindle Speeds to 3150 RPM, Chip Conveyor, Coolant **SEE PHOTO**

CNC VERTICAL MACHINING CENTER

Makino Model GN107-A50 Heavy Duty High Speed Die Mold Type CNC Vertical Machining Center; S/N A94-15-7, Makino Professional 3 CNC Control, 31.5" X 53" T-Slotted Table, 41" X-Axis, 27" Y-Axis, 24" Z-Axis, 6,600 Lbs. Table Load Capacity, No. 50 Taper Spindle, Spindle Speeds to 8,000 RPM, 50-Position ATC, Glass Scales on All Axes, Super GI Control, "Flush Fine" Cutting Package, Loads of other Control Options, Oilmatic Chiller, Coolant System w/ Sludge Filter, Burning Chip Conveyor w/ Separator, Renishaw Probe Control Module, Call for complete spec sheet (New 1994) **SEE PHOTO**

> **15" Tsudakoma Model RNCBK-402-RI 4th-Axis CNC Indexing Table w/ 5.9" Spindle Bore**

> **Precise Model PVSF Jig Grinding Spindle System;** w/ Control & Toolholder

MAKINO MCF HEAD

Makino Full A-Axis Head Attachment For Makino MCF Model CNC HMC; S/N N/A, Tilting A-Axis Head Used On a Makino MCF Model Horizontal Machining Center **SEE PHOTO**

IMPORTANT AUCTION NOTICES

All of This Equipment has been moved for the convenience of sale to Metalex Manufacturing's Broach Division Warehouse. Prior to being moved most all of this machinery was located in service at Metalex's World Class Manufacturing Facility just around the Corner. Upon inspection you will see that this Equipment is extremely clean and appears to have been meticulously maintained. For further information on Metalex Manufacturing, Inc. please visit their website at www.metalexmfgr.com.

THE RIGGING WORK AT THIS AUCTION WILL BE LIMITED TO A SELECT COMPANY. LOAD OUT PRICING WILL BE AVAILABLE IN THE AUCTION CATALOG ON THE AUCTION DAY.

This is a listing of the major items, there is a possibility of some additions to this offering. Please see the auction catalog at www.cia-auction.com 1-Week Prior to the auction for a complete listing of assets.

SHORT SALE - BE PROMPT



FULL FOURTH

Makino Model A77 Two-Pallet CNC Horizontal Machining Center



FULL FOURTH

Makino Model MC98-5XR-A99 Two-Pallet CNC Horizontal Machining Center



Makino Model GN107-A50 Heavy Duty High Speed Die Mold Type CNC Vertical Machining Center



WEDNESDAY, SEPTEMBER 1ST



Okuma Crown L1060 Type 762S Two-Axis Slant Bed CNC Turning Center

CNC TURNING CENTER

Okuma Crown L1060 Type 762S Two-Axis Slant Bed CNC Turning Center; S/N 1914, Okuma OSP-U100L Control, 8" 4-Jaw Chuck, 7.28" X-Axis, 20.47" Z-Axis, 21.65" Swing Over Bed, 15.75" Swing Over Cross Slide, 19.68" Max Turning Length, 10.63" Max Turning Diameter, 2.2" Spindle Bore, 18 HP Spindle, Spindle Speeds from 75 - 4200 RPM, 12-Position Turret, Tailstock, Chip Conveyor (**New 2000**)

SEE PHOTO

CNC WIRE & DIE SINKER EDM'S

****Makino Model U53 CNC Wire Cut EDM;** S/N A96-148-10, Makino MGW-J1 CNC Control & Power Supply, 24" X 36" Tank Area, Dielectric System, Auto Loader w/ Big Spool Capability, Fire Suppressant System (**New 1996**)

****SUBJECT TO WITHDRAWAL FROM AUCTION - CALL FOR DETAILS.**

SEE PHOTO

Makino Model EDNC65-MA Four-Axis CNC Die Sinker EDM; S/N MB4-1243, Makino MGC3 CNC Control, Power Supply, 24" X 36" Tank Area, 4th Axis Rotary Head, Fire Suppressant System, Dielectric Fluid Tank (**New 1995**)

SEE PHOTO

> MMK CNC Indexing Table

Makino Model EL3040N CNC Wire Cut EDM; S/N 345-HF1, Makino MGN-10W CNC Control & Power Supply, 20" X 26" Granite Table, 26" X 36" X 14" Inner Tank Area, 12" X-Axis, 15" Y-Axis, 6" Z-Axis, Nikuni Machinery Pump Unit (**New 1984**)

SEE PHOTO

CYLINDRICAL GRINDERS

19" X 60" Karstens Model K-26 Plain CNC Cylindrical Grinder w/ Angular Head Attachment; S/N 85-038-16-260, Facit Control, Dlog NC-Systeme Dnet 1PC, 20" OD Grinder, 1290MM Max Grinding Length, 251MM Height of Centers, 500MM Dia. X 100MM Width X 127MM Bore Grinding Wheel, 250 Kg Max Workpiece Weight, Complete Angular Wheel Head Attachment, Refrigerated Coolant Pump, Coolant System w/ Sludge Filter, Karsten Electrical Panel, Allen Bradley 1335 Control (**New 1985**)

SEE PHOTO

14" X 42" Karstens Model K-11 OD/ID Manual Cylindrical Grinder; S/N 8305310111, Sony LH51 DRO, Karsten GmbH PB Control, Swing Around ID Attachment, 42" Between Centers, 16" Grinding Wheel Dia., Grinding Wheel Speeds to 7000 SFPM, Arbors & Tooling, Coolant, (**New 1984**)

SEE PHOTO

ROTARY SURFACE GRINDER

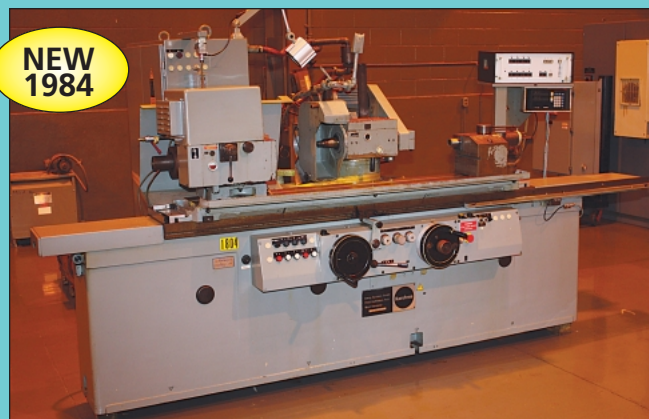
Blanchard Model 20CD Rotary Surface Grinder; S/N 12254, 36" Dia. Magnetic Chuck, Electro-Matic Neutrofler II Magnetic Chuck Control, 20" Dia. Grinding Wheel or (4) 11-1/4" X 2-1/4" X 6" Model CD-20L Segments, 30 HP Drive, Chuck Speeds from 6 - 33 RPM, Wheel Speeds to 720 RPM, 38" Dia. X 12" High Over 36" Chuck with New Wheel (**New 1967**)

SEE PHOTO

(Lot) New Segmented Grinding Wheels; On (1) Pallet



19" X 60" Karstens Model K-26 Plain CNC Cylindrical Grinder w/ Angular Head Attachment



14" X 42" Karstens Model K-11 OD/ID Manual Cylindrical Grinder



Blanchard Model 20CD Rotary Surface Grinder

ADVANCE AUCTION NOTICE

Plant Closed
CONWAY CLUTCH COMPANY
2745 Colerain Ave. - Cincinnati, Ohio 45225

SALE DATE:

WEDNESDAY, SEPTEMBER 1ST
STARTING: 2:00 PM

A Large Offering of Conventional and Automatic Machine Tools From A Historic Cincinnati Clutch Manufacturer Featuring:
Gear Shapers, W&S 2AC Chucker, Gisholt & W&S Turret Lathes, Broaches, Lathes, Mills, Drills, Grinders, Saws, Large Quantity Antique Machine Tools, Tooling & Support Equipment, **Huge Scrap Opportunity**

Additional Information Available on website www.cia-auction.com; Inspection Dates & Times, Equipment Listing, Photos, Auction Information, Terms & Conditions



NEW 1996

****Makino Model U53 CNC Wire Cut EDM. SUBJECT TO WITHDRAWAL FROM AUCTION - CALL FOR DETAILS.**

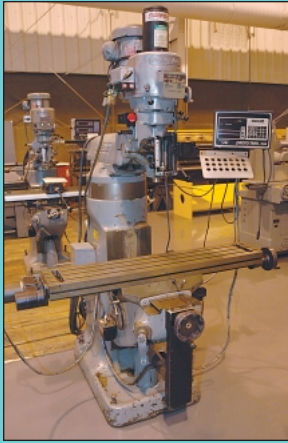


NEW 1996

Makino Model EDNC65-MA Four-Axis CNC Die Sinker EDM



WEDNESDAY, SEPTEMBER 1ST



2 HP Bridgeport Two-Axis Proto-Trak CNC Vertical Milling Machine



1-1/2 HP Bridgeport Two-Axis Proto-Trak CNC Vertical Milling Machine



Makino Model EL3040N CNC Wire Cut EDM



Maho Model MH-700C CNC Horizontal Machining Center

TILT FRAME BAND SAW

14" X 20" HEM Model V100-LA2 Automatic Tilt Frame Vertical Band Saw; S/N 492296, HEM PB Control, 14" X 20" Capacity @ 90 Deg., 14" X 14" Capacity @ 45 Deg., Blade Speeds to 300 FPM, 24" Hydraulic Bar Feed, 48" Roller Feed Table, 1-1/2" Blade (New 1996)

SEE PHOTO

VERTICAL MILLING MACHINES

2 HP Bridgeport Two-Axis Proto-Trak CNC Vertical Milling Machine; S/N 174053, Proto Trak Plus CNC Control, 9" X 48" T-Slotted Table, Rapid 8 Power Drawbar

SEE PHOTO

1-1/2 HP Bridgeport Two-Axis Proto-Trak CNC Vertical Milling Machine; S/N 194726, 9" X 48" T-Slotted Table, Proto Trak Control, Rapid 8 Power Drawbar

SEE PHOTO

ENGINE LATHE

15" X 50" Clausing Colchester 15 Geared Head Engine Lathe; S/N 6/0015/19904, Trak DRO, Spindle Speeds to 2000 RPM, 9-3/8" Swing Over Carriage, 10" 3-Jaw Chuck, 2-1/8" Spindle Bore, 7-1/2 HP Drive

SEE PHOTO

GRINDERS - ALL TYPES

6" X 18" Norton Hand Feed Surface Grinder; S/N N/A, 6" X 18" O.S. Walker Magnetic Chuck w/ Control

Mitek Model CM-2 Monoset Universal Tool Grinder; S/N 1125, Univesal End Mill Grinding Head, Tailstock, PB Control

SEE PHOTO

(7) Red Head Grinding Spindles Consisting of; (3) Spindles Mounts, (1) Riser, Spindles Fit Cinturnal Universal Multi-Surface Grinder Model 3

6" Willys Double End Pedestal Grinder

1/3 HP Darex Drill Sharpener; S/N 66036

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MARPOSS TEST SYSTEMS

(2) Marposs Model 0242326000 & 0242329000 Primary & Secondary Shaft Testers; S/Ns 01ZR0311 & 01ZR0314, Primary Shaft Run Out Check, Secondary Run Out Check, (2) Marposs E4N LVDT Gauges, (2) Marposs M1 Star Unit

Marposs Model 0242328000 Primary Shaft Tester; S/N 01ZR0313, Siemens Simatic PC Touch Panel, Marposs Gauge Box w/ (2) 16-Plug Ports (New 2001)

Marposs Model Unknown Primary / Secondary Shaft Tester; S/N N/A, Siemens Simatic PC Touch Panel, Marposs Gauge Box w/ (4) 16-Plug Ports (New 2001)

Marposs Model 024232500 Primary Shaft Tester; S/N 01ZR0310, Siemens Simatic PC Touch Panel, Marposs Gauge Box w/ (4) 16-Plug Ports (New 2001)

AIR COMPRESSOR & DRYER

50 HP Gardner Denver Model ECQJBD Electra Screw Cabinet Enclosed Air Compressor; S/N 750890, Hours: 20,703

Hankinson Model E-500A Refrigerated Air Dryer; S/N 0311A-0380-015, 3 HP

MISC. MACHINERY & EQUIPMENT

Tooling Innovation Model DD 10/10 Heat Shrink Tool Setter; S/N 079407

SEE PHOTO

Parlec Parsetter 2 Tool Setter; S/N N/A, 12" X 24" X 4" Granite Table, Brown & Sharpe Height Gauge, Baush & Lomb Acu-Rite III DRO

30 KVA Lorsch Model 130AP Spot Welder; S/N 189-4043, 24" Throat

(2) 3/4 HP Torit Model 60 Cabinet Type Dust Collectors; S/Ns IG557156-001-1 & IG557156-001-2

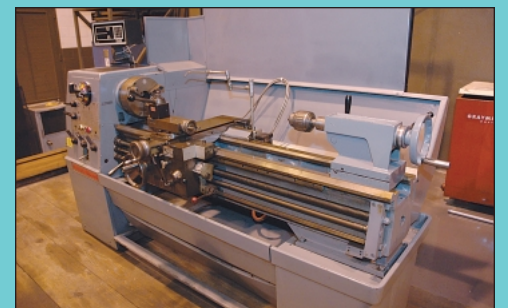
3/4 HP Torit Model 64 Cabinet Type Dust Collector; S/N C-7314



14" X 20" HEM Model V100-LA2 Automatic Tilt Frame Vertical Band Saw



Partial View (2 of 5) Marposs Gaging Systems



15" X 50" Clausing Colchester 15 Geared Head Engine Lathe



Mitek Model CM-2 Monoset Universal Tool Grinder



Tooling Innovation Model DD 10/10 Heat Shrink Tool Setter



Bank View (3) Torit Cabinet Type Dust Collectors



Leblond Makino Model MC86-A60 Two-Pallet CNC Horizontal Machining Center

PUBLIC AUCTION

**EXCEPTIONALLY WELL MAINTAINED LARGE CAPACITY
MACHINE TOOLS FROM A
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SURPLUS EQUIPMENT OF



11135 Deerfield Road – Cincinnati, Ohio 45242
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**Cincinnati Industrial
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Toshiba CNC HBM



Boko 6-Axis CNC Mill



Jung CNC Grinder



(3) Makino CNC HMC's

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WEDNESDAY, SEPTEMBER 1ST

PUBLIC AUCTION

SURPLUS EQUIPMENT OF



11135 Deerfield Road
Cincinnati, Ohio 45242
15 Miles North of Downtown Cincinnati off I-71

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SALE UNDER THE MANAGEMENT OF



Cincinnati Industrial Auctioneers Inc.

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