

DoveBid® Webcast Auction

Surplus machinery & equipment of



Aerospace & Defense Manufacturing Equipment



Thursday, November 14, 2002 • 9am local time
Mississauga, Ontario, Canada

DOVEBID®
Business Auctions &
Valuations Worldwide
CANADA

www.dovebid.com

Webcast Auction

Surplus machinery & equipment of

BOEING TORONTO

Thursday, November 14, 2002

Beginning at 9am local time

Auction Location

6972 Airport Road
Mississauga, Ontario, Canada

Preview Locations

6972 Airport Road
Mississauga, Ontario, Canada

187 McDonnell Blvd.
Hazelwood (St. Louis), Missouri*

*All previews at this location
are by appointment only.

For inspection appointment,
please contact Hugh Bresnahan
at Phone 248.320.0017

or E-mail hbresnahan@dovebid.com

Preview

Wednesday, November 13, 2002

9am-4pm local time & morning of sale

Directions

To Auction & Mississauga, Ontario, Canada

Preview Location

From Lester B. Pearson International Airport

Exit airport via access road and
proceed to Airport Road West
(1st traffic light). Turn left and
proceed through 3 traffic lights
(approx. 2 miles) to sale site on
the left side (2nd Boeing gate
immediately before Derry Road).
Watch for auction and parking signs.

NEED HELP WITH SHIPPING?

As a courtesy to our buyers,
DoveBid can provide contact information
for shipping companies scheduled to attend
this auction. For details, please visit
DoveBid's Website at www.dovebid.com
or call our customer care department at 800-665-1042.

Mississauga Preview Location

Rebuilt



GEMCOR MODEL G-39 CNC PRODUCTION RIVETER



GEMCOR DRIVMATIC FASTENING SYSTEMS TYPE G-900-1
MODEL G40105XX-150G63 CNC PRODUCTION RIVETER

CNC PRODUCTION RIVETERS

1 - GEMCOR MODEL G-39 CNC PRODUCTION RIVETER, S/N 529M A# 24363 L# C52, (Rebuilt By Hall Engineering), Longitudinal Capacity Approximately 60", 60" Pass-Thru Rivet Gap, Track-Mounted Carriage, 133' Track, 13' Cross Arm Positioners, Greco System CNC Station Control, Square D/Symax Load Monitor, Video Rivet Positioning Monitor

*1 - GEMCOR DRIVMATIC FASTENING SYSTEMS TYPE G-900-1 MODEL G40105XX-150G63 CNC PRODUCTION RIVETER, S/N 1281 A# 27868 L# A/C18, Longitudinal Capacity Approximately 96", 120" Pass-Thru Rivet Gap, Track-Mounted Carriage, 135' Track, 15' Cross Arm Positioners, Greco System CNC Station Control, Load Monitor, (2) Burle Quickpanel Video Rivet Positioning Monitors, (4) Syntron Vibratory Rivet Feeders, 60" Clamp Safety Lock, Fixture Load Capacity 6500-Lbs., ARS Air Panel, Thermal Transfer Fan Unit, 3-Phase, 10-KA, 600-Volt, 40VAC to 120VAC

*This machine will be offered as a liquidation item, through private negotiations only. For further information, price, or inspection appointment, please contact Hugh Bresnahan at Phone 248.320.0017 or E-mail hbresnahan@dovebid.com

RIVETER

1 - HUCK MODEL 917-5 PORTABLE HYDRAULIC RIVETER, S/N 0160 L# A55, Rivet Gun, 10-HP Hydraulic Unit

HYDRAULIC PRESSES

1 - SIEMPELKAMP 8000-TON HYDRAULIC BLADDER PRESS, A# 12912, Maximum Working Press Area 64" X 124", Bladder Cart Size 60" X 120", 150-HP Motor, Push Button Control

1 - HPM 5000-TON 4-POST HYDRAULIC PRESS, S/N 4328 A# 12906 (V-3) L# Q3, Bed Size 65"FB X 186"LR, Stroke 50", Daylight 51", Speeds: Closing 262 IPM, Pressing 17.9 IPM, Opening 262 IPM, Ram Cylinder Diameters: Main 72", Pull Backs 15-1/2" & 8", (5) Hydraulic Pumps, 49" X 124" Slide-In Table, Conveyor, Push Button Control

1 - VERNON MODEL 4000-HD3-184T 4000-TON STRAIGHT SIDE HYDRAULIC PRESS, S/N 14692 A# 12239 L# Q3, Bed Size 108"FB X 184"LR, Stroke 42", Shut Height 32", Windows 85", (3) Type HP24-10 227-Ton Cushions (Left, Center & Right), Dominion Press Monitors, Push Button Control, Safety Fence, Daylight Height 48"

STRAIGHT SIDE PRESS

1 - BROWN BOGGS MODEL 475-76 200-TON DOUBLE-CRANK TWIN END DRIVE STRAIGHT SIDE PRESS, A# 12910, Bed Size 62" X 75", Stroke 12", Shut Height 24", Slide Adjustment 6", 32-Ton Air Cushion, 25-HP Motor, Double Back-Geared

OBI PRESSES

1 - BROWN BOGGS MODEL 20LS 100-TON OBI PRESS, S/N 9464 A# 12920 L# W6, Bed Size 26" X 39", Air Clutch, Dayton Rogers Air Cushion, Dominion Press Control, ISB Safety Light Curtain

1 - WAYNE MODEL W-31-45 45-TON OBI PRESS, S/N 1033 A# 024800, Overall Bed Size 24" X 36", Stroke 3", Shut Height 12", Slide Adjustment 2-1/2", Speed 50 SPM, Dominion Spectra Shadow II Electronic Safety Curtain, Push Button Control, 4" Bolster Plate

1 - BROWN BOGGS MODEL 16LS OBI PRESS, S/N 10581 L# 012, Bed Size 21" X 30", Air Clutch, Dominion Press Control, ISB Safety Light Curtain

3 - AZIMUTH 5-TON BENCH-TOP OBI PRESSES, L#s D-3 Bed Size 9" X 15", 1/2-HP Motor

MISCELLANEOUS PRESSES

1 - HANNIFIN 75-TON HYDRAULIC ASSEMBLY PRESS, S/N A51785, Table Size 12" X 84", Throat 11"

2 - EDWARDS HAND SCREW PRESSES, (1) 3 6", L# D14, (1) 3 6"

To view a complete asset list, visit our website @ www.dovebid.com

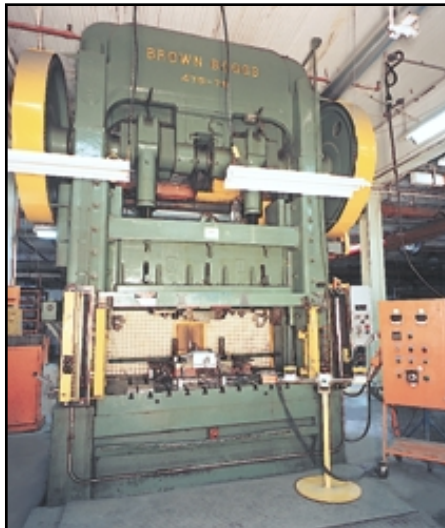
Mississauga Preview Location



HPM 5000-TON 4-POST
HYDRAULIC PRESS



SIEMPELKAMP 8000-TON
HYDRAULIC BLADDER PRESS



BROWN BOGGS 475-76 200-TON
DOUBLE-CRANK TWIN END DRIVE
STRAIGHT SIDE PRESS



VERSON MODEL 4000-HD3-184T 4000-TON
STRAIGHT SIDE HYDRAULIC PRESS



HANNIFIN 75-TON
HYDRAULIC ASSEMBLY PRESS



WAYNE W-31-45
45-TON OBI PRESS



1 OF 2 BROWN BOGGS
OBI PRESS

Auctioneer's Note

DoveBid is extremely pleased to have been selected by Boeing Toronto to conduct this Webcast Auction of Aerospace & Defense Manufacturing Equipment. The auction will feature a wide range of quality equipment, including:

- CNC Production Riveters
- Presses
- Fabricating Equipment

The Webcast auction will be conducted in Mississauga, Ontario, Canada with a preview of the assets being held on Wednesday, November 13, 2002 from 9am-4pm. Feel free to attend the preview or visit our website at www.dovebid.com to download the auction catalog.

If you are unable to attend the auction in person or participate over the Web, you are able to submit a proxy bid right from DoveBid's website.

Please remember that assets are sold as is, where is, and with all faults when participating in an auction. And as a courtesy to our Web buyers, DoveBid can provide contact information for shipping companies that will be attending this auction. Buyers are responsible for removal of assets and all shipping and rigging charges.

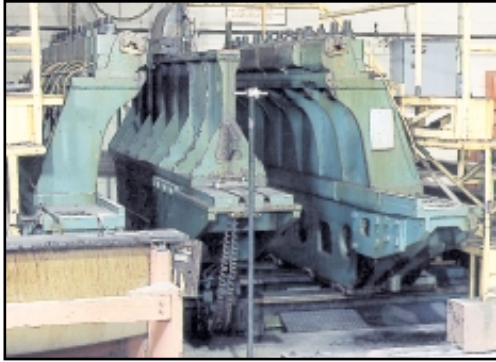
Thank you in advance for your interest and we look forward to seeing you in person or on the Web on auction day.

DOVEBID® Can't make it to Mississauga, Ontario, Canada? No problem. With DoveBid's proprietary Webcast technology bidders around the world can bid at this auction from the convenience of their home or office through the Internet. Webcast technology allows you to virtually bid against bidders who are on the factory floor.

Log on to www.dovebid.com and register even on auction day to bid in real time! All you need is a computer, Internet access, and a touch-tone telephone to participate.

Prior to the auction, preview the assets online via digital photos and comprehensive descriptions. During the auction, view the current asset being sold on your computer screen as you listen to the Auctioneer live on your telephone. You press 1 on the telephone keypad to raise your paddle and press the # key to end your bid. And as a courtesy to our Web buyers, DoveBid can provide contact information for shipping companies that will be attending the auction. Thousands of bidders from hundreds of locations around the globe have participated in DoveBid Webcast Auctions. It's fast, simple and convenient! Save money on travel expenses and next time we will see you ONLINE!

Mississauga, Ontario Preview Location



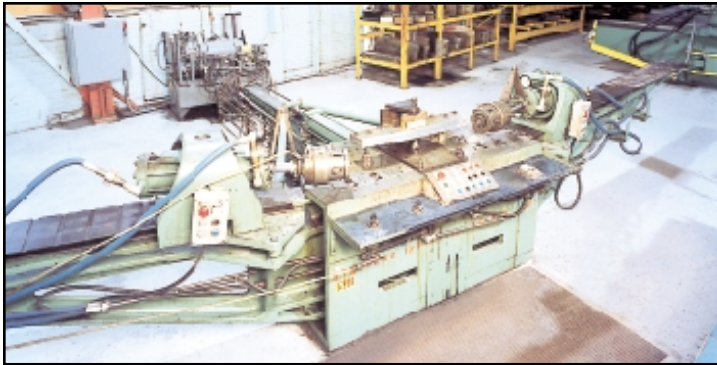
ERCO HYS-P-2-300 300-TON HYDRAULIC STRETCH WRAP FORMING MACHINE



1 OF 2 CHAMBERSBURG CECO-STAMP AIR DROP HAMMERS



CINCINNATI 12' 100-TON POWER PRESS BRAKE



1 OF 2 HUFFORD MODEL A-10 17-1/2-TON STRETCH WRAP FORMING MACHINES



HUFFORD 46 150-TON STRETCH WRAP FORMING MACHINE



CYRIL BATH HYDRAULIC STRETCH WRAP FORMING MACHINE

AIR DROP HAMMERS

- 2- CHAMBERSBURG CECO-STAMP AIR DROP HAMMERS, (1) 9648 5-TON, S/N 2543 A# 12990, Bed Size 48" X 96", Minimum Die Area 34" X 68", Stroke 60", Speed 112 Strokes/Hr, Maximum Die Weight 11,200-Lbs., (1) 4066 3-TON, Bed Size 40" X 66", Minimum Die Area 43-1/2" X 25", Stroke 24", Speed 126 Strokes/Hr, Maximum Die Weight 3500-Lbs.

CNC HYDRAULIC PRESS BRAKE

- 1- FARINA TYPE PFO-B20X1550 PFO/B205 20-TON X 5' CNC HYDRAULIC PRESS BRAKE, S/N 294787-1-T A# 025143, Front-Operated Power Back Gage, Compu-Bend Model 61000 CNC Control, Spectra Electronic Eye Power Press Equipment Safety Device

PRESS BRAKES

- 1- CINCINNATI 12' 100-TON POWER PRESS BRAKE, S/N 11592, Throat 8", Distance Between Housings 128", Manual Back Gage, Dominion Press Control, Safety Light Curtain, 7-1/2-HP Motor
- 1- CINCINNATI 50-TON X 6' POWER PRESS BRAKE, S/N 22408 A# 0141011, Distance Between Housings 7", Stroke 3", Power Ram Adjustment, Dominion Power Press Equipment Safety Device, Squaring Arm Extensions, Dies
- 3- FARINA MODEL PFO-B20X1550 20-TON X 5' HYDRAULIC PRESS BRAKES, S/N 217787-I-T A# 027008, S/N 284781-I-T A# 027009, S/N 284787-I-T A# 027007, Bed Length 61", Throat 9", Distance Between Housings 41", Compu-Bend 61000 CNC Control & Back Gage, Spectra Safety Electronic Light Curtains
- 2- BANTAM 2' HYDRAULIC PRESS BRAKES, S/Ns 13291, 13292

PLATE FORMING ROLLS

- 1- FARNHAM 14' PLATE FORMING ROLL, S/N 5-53-1 L# D2/3, (3) 2" Driven Bending Rolls, Gap Opening 6", Distance Between Housings 15-1/2", 3-HP Motor
- 2- FARNHAM 10' PLATE FORMING ROLLS, S/Ns 6-66-1, 6-66-2, Capacity 10' X .125", Roll Diameter 2", 3-HP AC Motor Drive

STRETCH WRAP FORMING MACHINES

- 1- ERCO HYS-P-2-300 300-TON HYDRAULIC STRETCH WRAP FORMING MACHINE, A# 12996, Table Platen Size 17" X 98", Length of Cross Beams 134", Traverse of Cross Beams 32", (2) Cylinders, Piston Diameter 14", Piston Stroke 12"
- 1- HUFFORD 46 150-TON STRETCH WRAP FORMING MACHINE, S/N 16 A# 13001, Capacity 32" X 72" X 42", 68" L Right & Left Hand Jaws, (11) Segments Per Side, Max. Curvature of Jaw 17" Radius, Max. Opening of Jaws 1/2", 50-HP, (2) 15-HP, & 10-HP Motors, Push Button Control
- 2- HUFFORD MODEL A-10 17-1/2-TON STRETCH WRAP FORMING MACHINES, S/N 6000-53 A# 12999 With Length Capacity 12" to 200", S/N 101 A# 13000 With Length Capacity 0" to 188", Both With Table Size 65" W X 30" D X 35-1/2" H, Cross Section Maximum Size 7" X 7", 15-HP Motor
- 1- CYRIL BATH HYDRAULIC STRETCH WRAP FORMING MACHINE, S/N B83170-3, Bend Table 50" X 85", Arm Table 10" X 9", Ram Cylinder Diameter 4", 50-HP Hydraulic Motor, IMP System Control

BENDING ROLLS

- 1- BROWN BOGGS 48" POWER BENDING ROLL
- 2- JET SR-2024 24" X 20-GA BENCH-TOP HAND BENDING ROLLS, S/N 20154, S/N 20151 L# A/D14
- 1- BROWN BOGGS 18" HAND BENDING ROLL



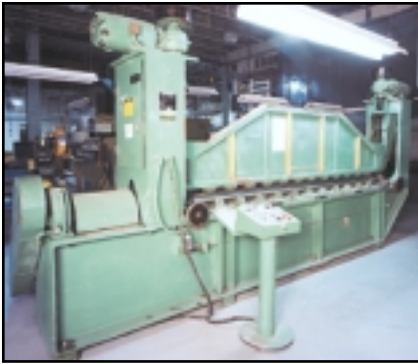
1 OF 3 FARINA PFO-B20X1550 20-TON X 5' HYDRAULIC PRESS BRAKES

All bid prices will be in U.S. funds

All payments are to be made in U.S. funds

All removal at both preview locations by appointment only

Mississauga, Ontario Preview Location



FARNHAM 14'
PLATE FORMING ROLL



CINCINNATI MODEL 1008 8' X 3/16"
POWER SQUARING SHEAR



TRUMPF TRUMATIC MODEL BFZ-3000
CNC VERTICAL DRILLING & ROUTING MACHINE

(11) SHEARS

- 1- HACO HSLX-4006 12' CNC HYDRAULIC SQUARING SHEAR, S/N 66494 (1998) A# 027009, Hydraulic Holdowns, Front-Operated Power Back Gage, 3' Squaring Arm, Digital Readout
- 1- CINCINNATI MODEL 1008 8' X 3/16" POWER SQUARING SHEAR, S/N 11699 A# 025882, Mild Steel Capacity 3/16", Holdowns, Front-Operated Manual Back Gage, 6' Squaring Arm, Extensions
- 1- NIAGARA 142 4' FOOT-OPERATED SQUARING SHEAR, S/N 1790
- 1- NIAGARA MODEL 482 ROLLER-TYPE HAND SHEAR,
- 1- LIEBERT \ M15379 36" HIGH-SPEED CIRCLE SHEAR, S/N 12361
- 2- EDWARDS MODEL 342 ROLLER-TYPE CIRCLE SHEARS, Steel Capacity 5/16"
- 3- EDWARDS 142 ROLLER-TYPE HAND SHEARS, Mild Steel Capacity 3/16"
- 1- BEVERLY 2' BENCH-TOP HAND SHEAR, S/N 326

SWAGERS

- 2- FENN MODEL 3A 1/2" TO 1" CAPACITY VERTICAL POWER TUBE SWAGERS, S/Ns N/A, 3-1/2-HP AC Motor Drive

MISCELLANEOUS FABRICATING EQUIP.

- 3- GS ECKHOLD KF-314 C-FRAME STRETCH & SHRINK FORMING MACHINES, S/Ns KE-314 (2) N/A, Throat 12", Capacity 1.5mm to 2mm
- 2- LOCKFORMER BRAKE & FORMING MACHINES, S/Ns 1376, 1378
- 1- HILLYARD ROLL FORMING MACHINE
- 1- RIDGID POWER PIPE BENDER
- 2- ROTEX MODEL 18-A51 HAND TURRET PUNCHES, S/N 10191 L# D14, L# D1
- 1- ROTEX MODEL 18-A ROTARY TURRET PUNCH, S/N 22850
- 1- CHICAGO 5' HAND APRON BRAKE
- 1- PEXTO 48" APRON BRAKE, S/N N/A
- 1- BANTAM 3-2-1/2M HYDRAULIC BENDING BRAKE, S/N 3559
- 1- EATON-LEONARD 3/4" TUBE CUTTER

WELDERS

- 2- LINCOLN LC-P-300T 300-AMP PORTABLE ARC WELDERS, S/Ns N/A
- 3- MILLER MVC-300 300-AMP PORTABLE WIRE WELDERS
- 1- HOBART 300-AMP AC/DC PORTABLE ARC WELDER, S/N N/A
- 1- WELD-O-MATIC 4-F 25-KVA SPOT WELDER, S/N 2675
- 1- SCIAKY PRESS-TYPE RESISTANCE SPOT WELDER
- 1- TAYLOR-WINFIELD PRESS-TYPE SPOT WELDER

CNC & NC VERTICAL DRILLING & ROUTING MACHINES

- 1- TRUMPF TRUMATIC BFZ-3000 TYPE 9200 6-SPINDLE 2-AXIS CNC VERTICAL DRILLING & ROUTING MACHINE, S/N 3057 (1987) A# 025301, With Automatic Rivet Machine, (4) Drilling Units, (2) Routers, (6) High Speed Spindles, Travels: X 120", Y 49", Maximum Pack Thickness 11/16", Drill Spindle Speeds 0 to 17,500 RPM, Router Spindle Speeds 0 to 14,500 RPM, Feeds 1 to 118 IPM, Allen-Bradley Series 8000 CNC Control, Loader & Unloader, Turbo Chip Conveyor, Pendant Control
- 1- TRUMPF TRUMATIC BFZ-3000 TYPE 9200 6-SPINDLE 2-AXIS NC VERTICAL DRILLING & ROUTING MACHINE, S/N 3006 (1987) A# 022384 L# A/C15, With Automatic Rivet Machine, (4) Drilling Units, (2) Routers, (6) High Speed Spindles, Travels: X 120", Y 49", Maximum Pack Thickness 11/16", Drill Spindle Speeds 0 to 17,500 RPM, Router Spindle Speeds 0 to 14,500 RPM, Feeds 1 to 118 IPM, McDonnell Douglas Actrion II NC Control, Loader & Unloader, Turbo-Type Chip Conveyor

HORIZONTAL BORING MILL

- 1- GIDDINGS & LEWIS MODEL 500-T 5" TABLE-TYPE HORIZONTAL BORING MILL, S/N FASET-1130 A# M9 L# A/C-12, Table Size 36" X 72", Longitudinal Table Travel 78", Cross Travel 39", Vertical Head Travel 40", Spindle Speeds 22 to 1600 RPM, Spindle Feeds .0012 to .125 IPR, Table Feeds .1 to 30 IPM, Heidenhain 2-Axis Digital Readout, Pendant Control, Outboard Saddle Supports

VERTICAL JIG BORERS

- 1- KEARNEY & TRECKER MILWAUKEE C4 VERTICAL JIG BORER, S/N 5590 L# D1, Table Size 14" X 22-1/2", Quill Travel 11", Spindle Speeds 50 to 2500 RPM, Spindle Feeds .0005 to .0091 IPR
- 1- MATRIX TYPE 50 OPTICAL JIG BORER, S/N K-105T L# L17, Table Size 26" X 36", Longitudinal Table Travel 36", Vertical Head Travel 20", Quill Travel 8", Spindle Feeds .001 to .015 IPR, Heidenhain 2-Axis Digital Readout, 4-1/4-HP Motor

HYDRO-TEL

- 1- CINCINNATI MODEL EM 28" VERTICAL HYDRO-TEL TRACER MILLING MACHINE, S/N 1H3V1-V-9 A# M2 L# A/A-16, Table Size 23" X 48", Spindle Speeds 72 to 1800 RPM

UNIVERSAL MILLING MACHINES

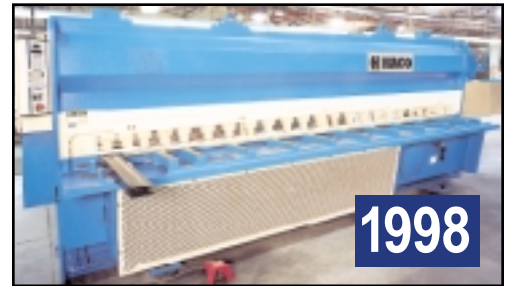
- 1- KEARNEY & TRECKER MILWAUKEE MODEL 4H UNIVERSAL MILLING MACHINE, S/N 14-6155 L# A/C-17, Table Size 15-1/2" X 74", Spindle Speeds 20 to 1000 RPM, Feeds 1/2 to 30 IPM, 10-HP Spindle Motor
- 2- HITACHI-SEIKI 3ML-U UNIVERSAL MILLING MACHINES, S/Ns N-4893, N-4559 L#s A55, Table Size 13-3/4" X 63", Spindle Speeds 30 to 1500 RPM, 19.2-HP Spindle Motor, Coolant System

HORIZONTAL MILLING MACHINES

- 2- KEARNEY & TRECKER MILWAUKEE TF SERIES MODEL 430 SIZE 4 30-HP PLAIN HORIZONTAL MILLING MACHINES, S/N TF430-1012 L# D2/3, S/N TF430-1007 A# M17 L# D1, Table Size 15" X 80", Spindle Speeds 50 to 1250 RPM, Feeds 3/8 to 90 IPM, 33-1/4-HP Spindle Motor
- 1- KEARNEY & TRECKER MILWAUKEE MODEL 4CH 15-HP PLAIN HORIZONTAL MILLING MACHINE, A# L10 L# A/L-10, Table Size 15" X 60", Spindle Speeds 15 to 1500 RPM, Feeds 3/8 to 90 IPM

VERTICAL MILLING MACHINES

- 1- CINCINNATI NO. 3 DIAL-TYPE VERTICAL MILLING MACHINE, S/N 2A3-V1K-153 A# 0139721, Table Size 46" X 60", Spindle Speeds 50 to 2600 RPM, Shaper Attachment, Outboard Arbor Supports
- 2- KEARNEY & TRECKER MILWAUKEE VERTICAL MILLING MACHINES, (1) MODEL 4H, S/N 1-6082 A# M5 L# D1, Table Size 15" X 80", Spindle Speeds 20 to 1000 RPM, Feeds 3/8 to 90 IPM, 20-HP Spindle Motor, (1) 4K, S/N 18-391 A# CE2757 L# A/C-16, Table Size 18" X 82", Spindle Speeds 13 to 1300 RPM, Feeds 3/8 to 90 IPM, 10-HP Spindle Motor
- 1- KENDALL & GANT CVM-60 VERTICAL MILLING MACHINE, A# M3 L# A/C-12, Table Size 33" X 108", Spindle Speeds 15 to 840 RPM, Coolant System



HACO MODEL HSLX-4006 12'
CNC HYDRAULIC SQUARING SHEAR



GIDDINGS & LEWIS MODEL 500-T
5" TABLE-TYPE HORIZONTAL BORING MILL



FENN 3A 1/2" TO 1"
VERTICAL POWER
TUBE SWAGER



SCIAKY PRESS-TYPE
RESISTANCE
SPOT WELDER

Mississauga, Ontario Preview Location



PROCECO MODEL TF-30X30-180H-S-3-HB0SS
500-LB. CAPACITY 3-STAGE
STEAM-HEATED PARTS WASHER



P & H 3-TON CAPACITY SINGLE-GIRDER
UNDERSLUNG TRAVELING BRIDGE CRANES

OVERARM ROUTERS

- 1- **ESSETRE MODEL MP80/2 DUAL TABLE RADIAL OVERARM ROUTER**, (2) 36" X 78" Tables, Spindle Speeds to 18,000 RPM
- 1- **WADKINS 24" RADIAL OVERARM ROUTER**, S/N 2C-780 A# 012484 L# A55, Table Size 30" X 30"
- 1- **WADKINS WK-2620 JACKKNIFE OVERARM ROUTER**, S/N LC-810 A# 020405 L# A55, Table Size 36" X 83-1/2", Sliding Router Head
- 1- **OVERARM ROUTER**, L# D2, Table Size 36" X 84"
- 1- **NORTON TABLE-TYPE BOX ROUTER**, Table Size 30" X 30", Adjustable Sliding Router Head

LATHES

- 1- **METALMASTER 18" X 60" C.C. QUICK CHANGE GEARED HEAD ENGINE LATHE**, L# V MAINTENANCE, Swing 18", Spindle Speeds 10 to 1800 RPM, Feeds .002 to .118 IPR
- 1- **MONARCH SIZE 12 KK 14-1/2" X 30" C.C. QUICK CHANGE GEARED HEAD LATHE**, S/N 6485 L# D1, Spindle Speeds 24 to 1090 RPM, Feeds .0023 to .140 IPR, Threads 1-1/2 to 92 TPI, Hole Thru Spindle 1-3/8", 5-HP Motor, Coolant System

GRINDERS

- 1- **BOYAR-SCHULTZ 6" X 12" HAND FEED SURFACE GRINDER**, S/N 572003 A# 04001142 L# V MAINTENANCE 541, With 6" X 12" Permanent Magnetic Chuck, Electromagnetic Unit
- 2- **CINCINNATI NO. 2 TOOL & CUTTER GRINDERS**, S/Ns 1D2T1Y-902, 1D2T1Y-821, Swing 10", Distance 27" C.C., Table Size 6" X 36", Longitudinal Table Travel 16", Cross Travel 8"

DISC SANDERS

- 1- **OLIVER 20" DOUBLE-END DISC SANDER**, L# A/F-9
- 2- **APEX 20" DISC SANDERS**, A# A/C-9 With Table Size 14" X 27-1/2", 1-HP Motor, S/N 575 L# A/F-17
- 1- **OLIVER 20" DOUBLE-END PEDESTAL-TYPE DISC SANDER**, Table Size 10" X 12"
- 2- **FORD-SMITH DOUBLE-END DISC SANDERS**, (1) 16", L# A1, Table Size 13" X 9" & 12" X 14", 2-HP Motor, (1) 14", L# A110, Table Size 12" X 14"
- 2- **FORD-SMITH 14" DOUBLE-END PEDESTAL-TYPE DISC SANDERS**, Table Size 12" X 14", 1-HP AC Motor Drive

RADIAL DRILL

- 1- **ARCHDALE 5' X 14" COLUMN RADIAL DRILL**, S/N A808C38 L# V110, Base Size 37" X 57", Spindle Speeds 96 to 2400 RPM, Feeds 0 to .180 IPR, Quill Travel 12", Power Elevation & Clamping, 5-HP Motor

RADIAL ARM DRILLS

- 1- **WALKER-TURNER TYPE 5-RD3A RADIAL ARM DRILL**, Table Size 18" X 24", Spindle Speeds 160 to 8300 RPM, 1-HP Motor
- 1- **WALKER-TURNER RADIAL ARM DRILL**, L# D2/3, Table Size 18" X 24", Arm Travel 18", 3/4-HP Motor
- 1- **DELTA TABLE-TYPE RADIAL ARM DRILL**, S/N 87B-83535 L# D14, Table Size 18" X 24", Arm Travel 18", 3/4-HP Motor

DRILLS

- 1- **WALKER-TURNER JACKKNIFE TURRET DRILL**, S/N 518D1A L# A/R-4, 5-Position Turret
- 1- **DELTA 17" 2-SPINDLE TABLE-TYPE DRILL**, L# A/P-10, Table Size 19-1/2" X 36", 3/4-HP Motor
- 1- **ROCKWELL 17" BENCH-TOP DRILL**, S/N 39-1318 A# 13208 L# D1, Table Size 20" X 20", 3/4-HP Motor
- 1- **BUFFALO 15" FLOOR-TYPE DRILL**, L# A55, Table Size 12" X 12", 1/2-HP Motor
- 1- **CANADIAN 18 BENCH-TOP TABLE-TYPE DRILL**, A# 12708 L# D1, Table Size 22" X 60", 1-HP Motor

(16) BAND SAWS

- 3- **DOALL MODEL V-36 36" VERTICAL CONTOUR METAL CUTTING BAND SAWS**, S/N 36494463 A# 013295, S/N 86514942 A# 013293, S/N 36494462 A# 013290, Main Table Size 30-1/2" X 30-1/2", Auxiliary Table Size 17" X 20", Blade Speeds 0 to 5200 FPM, DBW-14 Blade Welder
- 1- **DOALL MODEL 3613-10 36" VERTICAL CONTOUR METAL CUTTING BAND SAW**, S/N 381-79261 A# 022243, Table Size 26" X 26", Auxiliary Table Size 17" X 20", DBW-15 Blade Welder
- 3- **TANNEWITZ MODEL C-36V 36" VERTICAL WOOD CUTTING BAND SAWS**, S/Ns 377046, 092310, 347187, Table Size 27" X 30", Blade Speeds 0 to 880 FPM, Shaping Attachment, 30" Guide Scale
- 2- **T-JAW MODEL 500H 20" VERTICAL CONTOUR METAL CUTTING BAND SAWS**, S/Ns 50883, N/A, Table Size 27-1/2" X 29-1/2", Blade Speeds 0 to 5200 FPM, DBW-15 Blade Welder
- 1- **DOALL MODEL 2013-20 20" VERTICAL CONTOUR METAL CUTTING BAND SAW**, S/N 377-80646 A# 22625 L# D2, Table Size 38" X 38", Blade Speeds 0 to 5200 FPM, DBW-15 Blade Welder
- 4- **ROCKWELL/DELTA 14" VERTICAL METAL CUTTING BAND SAWS**, S/Ns 97F-82779, 97F-43368, 97F-93209, 97F-46540, Table Size 11" X 14"
- 1- **DELTA 14" VERTICAL BAND SAW**, S/N 97F-92207 L# Q4
- 1- **JET 12" X 16" HORIZONTAL METAL CUTTING BAND SAW**
- 1- **DOALL 9" X 16" HORIZONTAL METAL CUTTING BAND SAW**, L# A10, Automatic Clamping, Feed Conveyor, Coolant System, Hydraulic System

MISCELLANEOUS SAWS

- 1- **KASCO MODEL 312 HYDRAULIC HACK SAW**, S/N 1916 A# 023515
- 1- **DELTA NO. 33-083 12" RADIAL ARM SAW**, S/N 85111242 L# A55, Table Size 20" X 36"

MACHINE ACCESSORIES

Rotary Tables, Vises, No. 50 Taper Milling Arbors, End Mill Toolholders, Toolholders, Grinding & Milling Arbors, Chucks, Tool Posts, Spindle, Motors, Machine Parts, Etc.

LAYOUT & SURFACE PLATES

- 2- **10' X 12' X 1-3/4" STEEL LAYOUT TABLES**
- 3- **I & L ENGINEERING 6' X 12' BLOCK-TYPE STEEL LAYOUT TABLES**, L#s D1
- 1- **WINDLEY BROTHERS 6' X 12' STEEL SURFACE PLATE**, L# D1
- 1- **HERMAN STONE 24" X 24" X 4" GRANITE SURFACE PLATE**, L# D2/3

INSPECTION EQUIPMENT

QUANTITY OF ROCKWELL & BRINELL HARDNESS TESTERS, Including: Wilson Models 3A & 3RL, NewAge Coordinate Measuring Machines, Renishaw Probes, Optical Comparators, Digital Calibrators, Digital & Vernier Height Gages, Vernier Calipers, Micrometers, Micrometer Standard Sets, Plug Gage Sets; Dial Snap, Thread Ring, Radius & Hole Gages; Precision Air Gages, Force Gages, Torque Wrenches, Dial Indicators, Scales & Weights, Surface & Angle Plates, V-Blocks, Cylindrical Squares, Etc.

LAB & TEST EQUIPMENT

- 1- **TINIUS-OLSEN TENSILE TESTER**
- 1- **BALDWIN SOUTHWARK METALLURGICAL STRENGTH TESTER**, S/N 3096
- 1- **BUEHLER-MET LAB DISC GRINDER/SANDER**
- 1- **METTLER-TOLEDO 500-LB. CAPACITY PORTABLE PLATFORM SCALE**
- 1- **DOWNDRAFT TABLE**

VIBRATORY FINISHING EQUIPMENT

- 1- **AUTOMATIC FINISHING MODEL AV-75 PASS-THRU VIBRATORY FINISHER**, S/N 1284 L# D2/3, Chamber Size 24" X 24" X 120"L, Recirculation Fluid System, Noise Enclosure
- 2- **ALMCO V-16 TROUGH-TYPE VIBRATORY FINISHERS**, S/N 083005 A# 22560 L# D2/3, S/N J00775 L# D2/3, Chamber Size 16"W X 93"L X 20"D
- 1- **SWECO MODEL FM-311A VIBRATORY FINISHING MILL**, S/N 3-FM-170-42 L# D2/3, Bowl 30" Dia., 1-1/4-HP Motor
- 2- **VIBRA-FINISH ROTARY PARTS TUMBLERS**, Drum Size 24" X 48", 3-HP AC Motor Drive

PARTS WASHERS

- 1- **PROCECO MODEL TF-30X30-180H-S-3-HB0SS 500-LB. CAPACITY 3-STAGE STEAM-HEATED PARTS WASHER**, S/N 98-511 (1998) L# C49, (3) 20-HP Pumps, (3) Inline Filters, Overflow Tank, Disk Skimmer Cleaner, Omron E5CS Touch Pad Control, Automax Valves
- 1- **WESERO TYPE 1.2.2.250-GERMAN 3-STAGE DEBURRING & DEGREASING PARTS WASHER**, S/N 29504 A# 023951, Rinse, Wash, & Degreaser Tanks, Filtration System, 7-1/2-HP Motor Drive, Infeed & Outfeed Parts Conveyor
- 1- **UNI-WASH BENCH-TOP PARTS WASHER**, L# A/P-10, Tank Size 30" X 72" X 30", 5-HP Pump

OVENS

- 1- **TORRID 20 HEAT TREAT OVEN**, A# 022944, Chamber Size 14" X 6" X 7", Temperature Range 350° to 375°F, Honeywell Temperature Recorder
- 2- **CLEVELAND-LANLY 3-STAGE HEAT TREAT OVENS**, Maximum Temperature 375°F
- 1- **BLUE-M MODEL MP-966H-1HP 2-DOOR ELECTRIC TRAY OVEN**, S/N MP-390, Tray Size 48" X 48", Chamber Height 72", Maximum Temperature 600°F (316°C), Chart Recorder

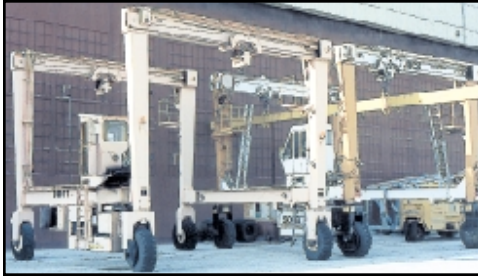
PAINT BOOTH

- 1- **BINKS MODEL 3010 40' X 60'L FULLY-ENCLOSED WASH/DRY/PAINT BOOTH**, Room-Type 20' High Bay, Safety Lights, Air Compressor, Paint Mixers, Paint Dryer

(17) BRIDGE CRANES

- 3- **5-TON CAPACITY 2-HOIST SINGLE-GIRDER UNDERSLUNG TRAVELING BRIDGE CRANES**, Span 100', 5-Ton Capacity Electric Cable Hoist, Pendant Control
- 6- **P & H 3-TON CAPACITY SINGLE-GIRDER UNDERSLUNG TRAVELING BRIDGE CRANES**, Span 100', 3-Ton Capacity Electric Cable Hoist, Pendant Control, Runways
- 2- **NELSON 2-TON CAP. DOUBLE-GIRDER TOP-RUNNING TRAVELING BRIDGE CRANES**, Span 40', P & H Hevi-Lift 2-Ton Cap. Electric Cable Hoists, Pendant Control, Runways
- 5- **SHAW-BOX 2-TON CAPACITY SINGLE-GIRDER UNDERSLUNG TRAVELING BRIDGE CRANES**, Span 52', Pendant Control, Runways
- 1- **2-TON CAPACITY DOUBLE-GIRDER TOP-RUNNING TRAVELING BRIDGE CRANE**, Span 25', 2-Ton Capacity Electric Cable Hoist, Pendant Control, Runways

Mississauga, Ontario Preview Location



DROTT MOBILE-YARD MODEL 500AC
20-TON CAPACITY GANTRY-TYPE
STRADDLE LIFTER/LOADERS



VIEW OF
ELECTRIC FORKLIFT TRUCKS

GANTRY-TYPE STRADDLE LIFTER/LOADERS

- 2 - DROTT MOBILE-YARD 500AC 20-TON CAPACITY GANTRY-TYPE STRADDLE LIFTER/LOADERS, S/N 99500682 A# 0938, Cab-Driven 2-Ton Hoist & Cable, Size 28' X 48'

(12) FORKLIFTS

- 9 - TOYOTA ELECTRIC FORKLIFT TRUCKS, (2) FBAL-430 6000-LB. CAPACITY, With 130" Reach Mast, (7) MODEL FBAL-420 4000-LB. CAPACITY, All With Overhead Guard, Solid Tires
1 - TOYOTA 20 3000-LB. CAPACITY ELECTRIC FORKLIFT TRUCK, S/N 3DR-TY-D-1731691, Reach 120", Overhead Guard, Solid Tires
2 - BAKER MODEL BT-30-D 3000-LB. CAPACITY ELECTRIC FORKLIFT TRUCKS, S/Ns N/A, Reach 120", Overhead Guard, Solid Tires

SKID STEER LOADER

- 1 - BOBCAT MODEL 753 GAS-POWERED SKID STEER LOADER, S/N N/A

VEHICLES

- 3 - CHEVY S-10 1/2-TON PICK-UP TRUCKS, Automatic Transmission
2 - FORD ECONOLINE PASSENGER VANS, Automatic Transmission

DUST COLLECTORS & AIR MAKE-UP UNITS

- 1 - AGET DUSTKOP MODEL 203U DUST COLLECTOR, S/N 2931 L# A55, 1-HP Motor
6 - GRIVNA WET BATH DUST COLLECTORS, L#s D2
4 - AGET DUSTKOP & CLEAN DUST COLLECTORS
3 - RAND-BRIGHT VERTICAL DOWNDRAFT-TYPE WET/DRY DUST COLLECTORS
1 - AERCOLOGY & Q-AIR TYPE AT-30X72 30" X 72" DOWNDRAFT BENCHES, L#s D2/3
2 - IN-SHOP AIR MAKE-UP UNITS, (1) GE, (1) US, Both With 30-HP Exhaust Motors

PERISHABLE TOOLING

Drills, Taps, Reamers, End Mills, Milling Cutters, Spofacers, Etc.

POWER & HAND TOOLS

Pneumatic Vertical Aircraft Drills, Pneumatic Positive Feed Speed Drills, Pneumatic Drills, Huck Hydraulic Power Rigs, Huck Hydraulic Power Riveters, Pneumatic Grinders, Pneumatic Tools, Circular Saws, Tap & Dies, Etc.

SPARE & REPLACEMENT PARTS

QUANTITY OF SPARE & REPLACEMENT PARTS, Including of: Servo & Electric Motors, Gear Boxes, Gear Reducers, Fans, Compressors, Condensers, Vacuum Pumps, Water Pumps, Coolant Units, Filtration Units, Hydraulic & Pneumatic Cylinders, Transformers, Switch Gear, Relay Boxes, Generators, Electric Safety Switch Boxes, Electrical Equipment, Cord & Hose Reels, Chemical Processing Tanks, Rectifiers, Machine Parts, Etc.

SHOP & FACTORY

- 1 - SAMUEL SCRAP SHREDDER
2 - TENNANT MODEL 340 RIDING-TYPE ELECTRIC FLOOR SWEEPERS
1 - RIDGID MODEL 360 PORTABLE POWER PIPE THREADER
1 - EX-CELL-O 8" DOUBLE-END CARBIDE TOOL GRINDER,
2 - CANADIAN TOOL 6" DOUBLE-END PEDESTAL GRINDERS
4 - 6" DOUBLE-END PEDESTAL GRINDERS, (2) FORD-SMITH, S/Ns N/A, (2) BALDOR, S/Ns N/A
1 - ROCKWELL 6" VERTICAL BELT SANDER, S/N 52614 L# A/P-15, 3/4-HP Motor
4 - BALDOR VERTICAL BELT SANDERS, S/Ns N/A, Table Size 9" X 10", 1-1/2-HP AC Motor Drive
4 - BENCH-TOP ARBOR PRESSES, (2) FAMCO NO. 2, (2) SHELDON NO. 2
Pedestal Fans, Portable Heaters, Washers, Sweepers, Shop Vacs, Work Benches, Hand Tools, Vises, Supply Cabinets, Flammable Safety Storage Cabinets, Tool Storage Cabinets, Extension & Safety Ladders, Carts, Pallet Jacks, Work Fixtures, Horses, Stands, Etc.

PRINT SHOP EQUIPMENT

- 1 - HEIDELBERG MOV P WEB FED OFFSET PRINTING PRESS
1 - CHALLENGE MODEL 155 HYDRAULIC PAPER CUTTER, S/N 60055
1 - CHALLENGE MS-10A 2-SPINDLE PAPER DRILL
1 - STANDARD BOURG MODEL A22 22-POCKET COLLATOR
1 - NUARC MODEL FT40LC 30" X 40" FLIP-TOP PLATEMAKER, S/N 92B75-1
1 - NUARC VFC40 VACUUM CONTACT FRAME
1 - ROBERTSON 480V 28" X 36" HORIZONTAL PROCESS CAMERA, S/N L8-295
1 - NUARC Q1K QUARTZ EXPOSURE LIGHT
2 - NUARC & BROWN STAINLESS STEEL SINKS
1 - BRUNING AM BLUEPRINT DEVELOPER
2 - KODAK FILM & PROCESS DEVELOPERS
1 - MACBETH MODEL TR927 DENSITOMETER

LARGE QUANTITY OF PRINT SHOP EQUIPMENT, Including: Platemakers, Vacuum Frames, Cameras, Lenses, Lights, Digital Counters, Timers, Exposed & Unexposed Film, Light Tables, Densitometers, Scopes, Projectors, Plotters, Roll Coaters, Dampener Roll Washers, Cleaners, Paper Joggers, Binders, Register Punches, 3-Hole Punches, Corner Rounders, Die Cutters, Trimmers, Tubing, Thinners, Paper Supplies, Lab Cabinets, Desks, Tables, Etc.

CAFETERIA EQUIPMENT

- 1 - HOBART 12" MEAT SLICER
1 - WALK-IN ELECTRIC FREEZER
1 - WALK-IN ELECTRIC COOLER
3 - GLASS-DOOR COOLERS
1 - KELVIN REFRIGERATOR

Baking & Pizza Ovens, Mixers, Stainless Steel Serving Lines, Stainless Steel Salad Islands, Stainless Steel Sinks, Microwaves, Freezers, Drinking Fountains, Etc.

OFFICE EQUIPMENT

Personal Computers, Laser & Inkjet Printers, Copiers, Desks, Credenzas, Tables, Chairs, Supply Cabinets, Bookcases, Water Coolers, File Cabinets, Etc.



1 OF 3 DOALL MODEL V-36
36" VERTICAL CONTOUR METAL
CUTTING BAND SAWS

St. Louis, Missouri Preview Location



CINCINNATI-MILACRON CINTURN 12U-40
SERIES 1212 MODEL AT 2-AXIS CNC
UNIVERSAL TURNING CENTER

CNC UNIVERSAL TURNING CENTER

- 1 - CINCINNATI-MILACRON CINTURN 12U-40 SERIES 1212 AT 2-AXIS CNC UNIVERSAL TURNING CENTER, S/N 5320U12-85-001 A# 116174 L# 102-E-13, Swing 22", Distance C.C. 50.19", Travels: X 6.375", Z 44", Spindle Speeds to 3000 RPM, Feeds .1 to 200 IPM, Hole Thru Spindle 3.15", 10" 3-Jaw Power Chuck, 8-Position Turret, Swing-Up Programmable Tailstock, General Electric Mark Century 2000 2-Axis CNC Control With CRT, 30-HP Spindle Motor, Hydraulic Unit, Coolant System, Parts Catcher, Jorgensen Chip Conveyor, Way Covers, Guards, 45.2-kVA Transformer

HOB GRINDER

- 1 - BARBER-COLMAN NO. 10-12 AUTOMATIC HOB GRINDER, S/N 633 A# 058490 L# 2-G-42, Hob Diameter 2" to 10", 2-HP Wheelhead Motor

OD GRINDERS

- 1 - TOYODA TYPE GUS32X100 13" X 32" C.C. PLAIN CYLINDRICAL GRINDER, S/N RB-5683 A# 107818 L# 245-7-15, Workhead Speeds 16 to 250 RPM, 5-HP Wheelhead Motor, Coolant Filtration System
1 - CINCINNATI MODEL ER 12" X 36" C.C. UNIVERSAL GRINDER, S/N 2U3D1Y-21 A# 800089 L# 245-E-16, 2-HP Wheelhead Motor, Coolant System

TOOL GRINDERS

- 1 - OLIVER INSTRUMENT MODEL PT DRILL POINT THINNER, S/N 1621 A# 070805 L# 2-EFF-46, 1/2-HP Wheelhead Motor
1 - HANCHETT MANUFACTURING SIZE 1130 CIRCULAR SAW BLADE GRINDER, S/N 333 A# 057769 L# 2-FGG-43

LIQUID HONING MACHINE

- 1 - ICM MODEL M25-55-C105-3 LIQUID HONING MACHINE, S/N H25SS-7841 A# 110240 L# 223

JIG BORER

- 1 - PRATT & WHITNEY MODEL 2A VERTICAL JIG BORER, S/N 21181 A# 109029 L# 101-J-15

MISCELLANEOUS MACHINERY

- 2 - PHILLIPS DRILL 2-AXIS BORING & DRILLING MACHINES, S/N 950651 A# 096033 L# 102-F-19, S/N 950652 (BOTH 1982) A# 096034 L# 102-F-19
1 - MACHINE DYNAMICS BMD08068 COUNTERSINKING MACHINE, S/N BMD08068 A# 152309 L# 2-G-14
1 - UNIVERSAL SHOT BLAST CABINET, A# 110017 L# 223, Grit Blast Cabinet, Universal Equipment, 2-Hole Peen Shot Blast Machine



Global Provider of Capital Asset Auctions & Valuation Services

Over \$5 Billion assets sold in 5,000 auctions conducted worldwide and more than 10,000 appraisals produced.

DOVEBID®
Business Auctions &
Valuations Worldwide

CANADA

Auctioneers, Sale Advisors & Appraisers

Worldwide Headquarters

1241 East Hillsdale Boulevard

Foster City, California 94404

650.571.7400 • Fax: 650.572.1502

www.dovebid.com

Customer Service 800.665.1042

Return Service Requested

For further information

please contact Hugh Bresnahan

Phone 248.320.0017

E-mail hbresnahan@dovebid.com

**FIRST
CLASS
MAIL**

First Class
U.S. Postage
PAID
Permit No. 1904
Detroit, Mich.

DoveBid Webcast Auction

- Bid live in Mississauga, Ontario, Canada
- Bid live over the internet at www.dovebid.com

Surplus machinery & equipment of



WEBCAST AUCTION

Thursday, November 14, 2002

**Aerospace & Defense
Manufacturing Equipment**

Over 100 upcoming auctions • www.dovebid.com

OCTOBER 22-23: EUROPEAN IT EXCHANGE II – (WEBCAST)

Multi-Million Pound Sale of IBM Servers & CISCO Switches and Other Computer Equipment. West Midlands, United Kingdom

OCTOBER 23: THE ASSETS OF A MAJOR INTERNATIONAL MINING COMPANY – (WEBCAST) Massive Range of Surplus Construction, Electrical and Mechanical Hardware and Tools. Singapore

OCTOBER 23: CTS WIRELESS – (WEBCAST)

Electronic Test & Measurement, Semiconductor Fabrication, Telecommunications Equipment. Albuquerque, NM USA

OCTOBER 23-24: EXCITE@HOME #3 - FINAL SALE – (WEBCAST)

Telecom, Computer and Peripherals, and IT Equipment. California, USA

OCTOBER 24: ELECTRONIC'S SERVICE – (ON-LOCATION)

Liquidation Auction of Electrical and Machine Tools. Singapore

OCTOBER 24: TEKTRONIX WEBCAST #3 – (WEBCAST)

Tektronix Electronic Test and Measurement Equipment. Beaverton, OR USA

OCTOBER 28: PHILIPS COMMUNICATION, SECURITY & IMAGING

#6 – (ON-LOCATION) Telecommunication Equipment. Singapore

OCTOBER 28: CAMBERWELL HONDA – (ON-LOCATION)

Modern Automotive Service Workshop. Hawthorn East, VIC Australia

Terms & Conditions

- Buyers are responsible for all shipping and rigging charges.
- All items are sold AS IS, WHERE IS AND WITH ALL FAULTS.
- DoveBid shall charge and collect from each successful bidder a 15% buyer's premium for each sale at the auction, in addition to the purchase price as bid. Purchasers who pay in the form of certified funds or wire transfer shall receive a discount from the buyer's premium equal to 3% of the purchase price. Purchasers who bid on site shall receive an additional discount equal to 2% of the purchase price).
- Each successful bidder must pay a 25% deposit toward the purchase price immediately following the successful bid.
- Applicable taxes will be added to the purchase price of all taxable items.
- Acceptable means of payment include certified funds, wire transfers, Visa, American Express, & Mastercard.
- The complete terms and conditions that govern this auction will be distributed at the auction site and/or are available on our website at www.DoveBid.com. The complete terms and conditions may include terms unique to this particular auction. Please read them carefully before you bid in the auction. If you participate in the auction, you will be deemed to have read and consented to all of the terms and conditions.

©2002 DOVEBID, ALL RIGHTS RESERVED • PRINTED IN USA • #BOEI4359

Complete Terms & Conditions are contained in the Sale Catalog and on the website at www.dovebid.com.

Please review the Terms and Conditions prior to placing bids on any items. Worldwide Headquarters: Foster City, California

