

PUBLIC AUCTION



State Of The Art - High Precision CNC Machining Facility

208 Rue Migneron, Saint-Laurent (Montreal), Quebec

2008



5 Axis
42,000 RPM
1 of 5 MIKRON Machining Centers

MIKRON HSM 400U – HIGH SPEED CNC MACHINING CENTER

2008



1 of 2 TORNOS Lathes
Both Equipped With LNS Auto Barfeed & High Pressure Pumps

TORNOS MICRO 8 AUTOMATIC SWISS-STYLE CNC LATHE

2006



9 Axis
Twin Spindle, Twin Turret
1 of 6 CNC Lathes

NAKAMURA TOME WT-150-MMYS 9-AXIS CNC PRECISION LATHE

2007



1 of 5 EDM's

SODICK AQ300L WIRE EDM

Auctioneer's Note:
Mint Condition Facility - Equipment Used For Low Quantity, High Precision Products In The Medical, Dental and Aerospace Industries.

AUCTION: Wednesday November 2, 10:30 AM
Inspection: Tuesday November 1, 9 AM to 4 PM

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5 Axis High Speed, High

2008

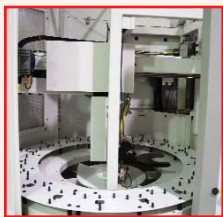


42,000 RPM

5 Axis



2008 **MIKRON HSM 400U**, Heidenhain iTNC 530 CNC Control, 42,000 RPM, HSK-E40 Spindle, Travels: X-19.68", Y-9.25", Z-14.17", Max. Feed Rate & Rapid Traverse X,Y&Z 1,576 IPM, Max. Table Load 55 lb, 110 Degree Swivel Axis, N x 360 Degree Tilting Axis, 68 ATC, 18-Station Pallet Changer, Options Included: Mistbuster Oil/Coolant Mist, Rotating Window, Chip Conveyor, Paper Roll Filter Unit 200L, Touch Probe PS 32.00 HSK E40, Lubrication Unit, Pallet Macro Magnum 15B, Pallet Changer Macro Magnum, ITC Extended Intelligent Thermal Control Extended, Operator Support System, Spindle Power 17.4 HP, sn 107.87-00-237



2004



2004 **SYSTEM 3R** Work Master Automation Robot Manipulator, Model K-50695, Max. Workload 350 lb, Total Height 100.4", Vertical Movement 55.1", Horizontal Movement 49.2", Turning Movement 300 Deg., Dual Machine Controller, Complete with Dual Cell – Capable Of Running 3 Machines, Interface Card for UCP 600, Macro Gripper, Bookshelf Rack (8 Levels to Hold 96 Macro-Positions, Automatic Door, Safety Enclosure, sn 0401-B06-R259. **SYSTEM 3R** Pallet Systems: Macro WEDM Pallet System, Macro Pallet System to 2.7", MacroMagnum Pallet System to 6.1", Dynafix Pallet System to 11" Square



Note: Robot is Currently Set Up Between Mikron HSM 600U and UCP 600 Vario

Precision CNC Machining

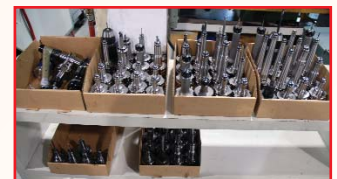


2006 **MIKRON HSM 600U**, Heidenhain iTNC 530 CNC Control, 36,000 RPM, HSK-E50 High Torque Spindle, 60 ATC, 18-Station Pallet Changer, Travels: X- 31.5", Y-23.2", Z-19.7", 30-110 Degree Swivel Axis, N x 360 Degree Tilting Axis, Rapid Feed Rate & Travers X,Y&Z 1,575 IPM, Max. Table Load 264 lb, Thru Spindle Coolant, Laser Tool Measurement System, Options Included: Touch Probe PS 32.00 HSKE50, Robot Interface, Advanced Process System, Intelligent Thermal Control, ITC-5X 5 Axis Intelligent Thermal Control, Chip Conveyor & Coolant Tank, High Pressure Pump, Paper Filtration, Oil Mist Spray Unit, Tool Cleaning By Air Blast, iTNC

Electronic Movable Handwheel, Rotary Tilt Table with 3R Dynafix Airdock, 43 HP Spindle, sn 107.88.00.065



2006 **MIKRON UCP 600 Vario**, Heidenhain iTNC 530 CNC Control, 20,000 RPM Spindle Speed, HSK-63, 120 ATC, Siemens Simatic ATC Control, 18-Station Pallet Changer, Travels: X- 23.6", Y- 17.7", Z-17.7", 30-115 Degree Swivel Axis, N x 360 Degree Tilting Axis, Options Included: Thru Spindle Coolant, Chip Conveyor, Paper Filter Unit, Interface For 3R Workmaster Robot, Laser Tool Measuring, Tool Cleaning By Air Blast, Touch Probe PS 32.00/HSK63, Oil Mist Coolant Spray, Tilt Working Plane, Roto Clear, Spray Nozzle for Coolant Wash, Advance Process System, ITC-5X 5 Axis Intelligent Thermal Control, Model, RTT Vario with 3R Dynafix Airdock, sn 107.37-00-125



2000

MIKRON
VCP 600



20,000 RPM

4 Axis High Speed CNC Machining Center

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2000 **MIKRON** VCP 600 Vario 4-Axis, Heidenhain iTNC 530 CNC Control, 20,000 RPM Spindle Speed, HSK 40 Spindle, 30 Pocket ATC, Travels: X-23.62", Y-17.72", Z-17.72", Table Size 33.5"x20.9", Max. Table Load 880 lb, 30/-115 Degree Swivel Axis, Rapid Travers & Feed Rate X,Y&Z- 866 IPM, Coolant Filter, 40 HP Spindle, Blum Laser Probe, Chip Conveyor, 2000 ARD Technologies Recirculating System (sn 13799), sn TNC426-430

2000



40,000 RPM

RODERS RFM600/2 CNC VMC



MIKRON WF 31 DE TNC 360 CNC VMC

CNC VERTICAL MACHINING

2000 **RODERS** RFM600/2, Roders CNC Control, 40,000 RPM, Travels: X-23.6", Y-17.7", Z-11.8", Table Size 27.5" x 21.6", 20 ATC, HSK E-40, Max. Workpiece Weight 1,763 lb, Digital AC Servo Drives with Sercos-Interface, Tool Length Measuring Device, Feedrates 0-1,181 IPM, Microjet Cooling Jet & Dual Nozzle Lubricating Device, Torit Checkerboard Dust Collect System sn 88341-111

1999



10,000 RPM

VIEW OF 2 **BOSTOMATIC** BD18-1 3-AXIS CNC VMC'S

MIKRON WF 31 DE TNC 360, 3-Axis, Heidenhain TNC360 CNC Control, Travels: X-22.05", Y-19.68", Z-15.75", Table Size 18.1" x 31.49", Max. Spindle Speed 4,000 RPM, Feed Rates & Rapids: X&Y-236 IPM, Z-196.8 IPM, sn 152.27.80.8X6

(2) 1999 **BOSTOMATIC** BD18-1 3-Axis CNC High Speed Milling Machine, Boston Digital CNC Control, Travels: X-17.72", Y-11.82", Z-17.72", Table Size 40"x12", 18 ATC, Cat 20, 10,000 RPM, Spindle Nose To Table Range 4.9"-22.6", Feed Rate 590 IPM, Rapid Feed 200 IPM, Max. Table Load 507 lb, sn's 18-494, 493

1996 **BOSTON** BD18-1 Digital Vertical Milling Machine (Parts Only, sn 18-293)

SWISS STYLE CNC LATHES

2008



2008 **TORNOS** Micro 8 Automatic Swiss-Style Sliding Headstock, Fanuc Series 32i-A CNC Control, Bar Capacity 10mm/.394", 5-Numerical Axes, Precision of +/- 1 μ (0.001mm), 15,000 RPM, Ma. Machining Length 17.5mm/0.689", Positioned Indexing 0.1 Degree, (5) Controlled Axis, (4) Front Tools, (4) Back Tools, (7) OD Turning Tools, (4) Cross Tools, Counter Spindle 4.7" Stroke, Pneumatic Part Separator, Rigid Tapping, Coolant Tank, Options: Support Plate For 5 Tools, Motorized System For Rotating Tools – Max 10,000 RPM, Single Support-Low-Med-High Offset, Rotating Spindles, High Frequency Rotating Spindle – Max. 80,000 RPM, Assorted S4 Counter Spindles, Mini Detector Tool Breakage Sensor, 2 Milling Attachments, LNS 2,000 PSI High Pressure Pump Model 62908210, LNS sn 811595, sn 232-0001- 1-50394

2006



2006 **TORNOS** Deco Sigma 8 SP Automatic Swiss-Style Sliding Headstock, GE Fanuc Series 32i-A CNC Control, Max. Capacity 10mm/.394", 5-Numerical Axes, Headstock Mounted on Z1 Axis with 20mm/.78" Travel, Max. Spindle 15,000 RPM, Thermally Regulated Headstock Spindle & Integrated Fanuc Motor, W15 Draw Type Collet, Pneumatic Closing System with 3 Toggles, Removable Coolant Tank and Chip Pan, Part Ejection System, LNS 2,000 PSI High Pressure Pump Model 62908210, LNS sn 811622, sn 232-0001-7519

Each Tornos Equipped with **LNS** Automatic Bar Feed Model Robobar SBF-210, 20 Bar Capacity, Max. 12', Bar Capacity 0.078" – 0.315", Screw Type Loading, sn's 21016301/07, 21006701, and Common **DONALDSON** Lina 3nine Oilmist Extractor

TWIN SPINDLE & TWIN TURRET CNC LATHES

2006



9 Axis



2006 **NAKAMURA TOME** WT-150-MMYS Twin Spindle, Multi Turret, 9-Axis CNC Precision Lathe, Fanuc Series 18i TB CNC Control, Max. Turning Dia 7.48", Length 15.75", Distance Between Spindle Nose 7.87" – 29.53", Bar Capacity 2.01", 6" Chuck, Slide Travels: X1-6.2", X2-6.59", Z1-18.3", Z2-18.3", B-21.65", Y Upper Turret 1.38", Rapid Traverse X1/X2-629.92 IPM, Z1/Z2-1,574.8 IPM, Y-236.22 IPM, Spindle Speed L&R: 5,000 RPM, 15 HP, Upper & Lower Turret Spindles: 6,000 RPM, 24 Station, 5.5 HP, Individual Rotation, 12 Live Tool Stations, 300 PSI High Pressure Coolant Pumps For Both Turrets, Collet & 3-Jaw Chuck, Microcentric Dead Length Collet For Left Spindle Model CB 65-ND/A6, 6 Microcentric Collets, Manual Collet Changing Tool, Detachable Type NT Tool Setter, HPRA High Precision Removable Arm-As New In Box, Aeroex Mist Collector, Coolant Sub Tank, Control Memory Upgrade 1280M, Assorted Holders, Bushings, Chip Conveyor, Tailstock, sn M155303

LNS Quick Load Servo S3 Bar Feed, Magazine Depth 39", X/Y Axis Retraction Level 23.6", Round Dia Range ¼" – 4.7", Barstock Length Range 5.1" – 63", Max. Barstock Weight 147.6 lb, 2 Pushers, 6 Liners, sn 303157

2000

Rebuilt in 2006



2000 **EMCO** Turn ET 332 MC Plus CNC Twin Spindle, Siemens Sinumerik 840D CNC Control, Max. Turning Diameter 5.512", Travels: X-6.3", Z-20.1, Max Size of Workpiece with Counter Spindle 5.5"x18.9", 5.1" Chuck, Max. Spindle Speed 8,000 RPM, Travel & Rapid Speed 24 FPM, 13.4 HP, Counter Spindle 30 HP, Max. Speed 7,000 RPM, 12 Station Turret, w/Main Spindle 0-6300 RPM, Counter Spindle 0-7000 RPM, Parts Catcher, Chip Conveyor, Mist Eliminator, **Rebuilt in 2006**, sn R2D-N2901

2000 **FBM** Turbo 5-42, Type 2100 Bar Feed, 80" Capacity, Max. Feed Rate 27.5 IPS, sn 40-110885,

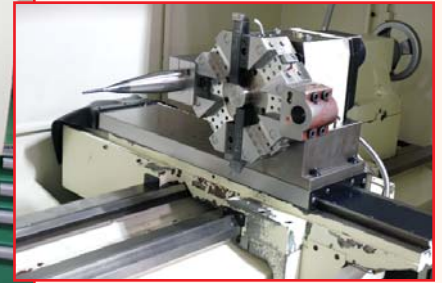


CNC & PRECISION LATHES



2009

2009 CHEVALIER FCL-2560 2-AXIS CNC LATHE



CNC & PRECISION LATHES

2009 CHEVALIER FCL-2560 2-Axis CNC Lathe, Siemens 810D CNC Control, Swing 24.8", Distance Between Centers 59.1", Swing Over Cross Slide 15.7", Centre Height 12.4", Max. 2,250 RPM, D1-8 Spindle Nose, Spindle Bore 3.3", 8-Station Programmable Sauter Turret, 12" Hydraulic Chuck System Option, 2 Axis Glass Scales, Roller Type Steady Rest 1.96"-11.8", Bronze Type Follow Rest 0.58-7.08", Coolant System, Full Guarding, 15 HP, sn A30307A09

CHEVALIER FCL-1840A 2-Axis CNC Lathe Plus, Max Swing 18.1", Distance Between Centers 39.4", Anilam 1200T-Plus CNC Control, 8 Station Turret, Spindel Speed 33-3,100, Spindle Bore 2.2", Saddle Travels Z-35.4", X-11", Feed Rates & Rapid Traverse X&Z- 196.9", Tailstock, Spindle 7.5 HP, sn X1878005

OMNI TURN GT-75 Series 3" CNC Slant Turning Center, Omni Turn CNC Control, Travels: X0.5", Z-5", Accuracy 0001", Thrust 375 lb, Rapid Feed 300 IPM, Closed Loop Direct Drive Servo Motors to Ball Screws, 5 Position Gang Tool, 5C Cartridge Spindle, .004 - 3,500 RPM, Flood Coolant, Chip Bin, 3 HP,

HARDINGE CHNC II Plus Super Precision High Speed CNC Lathe, Fanuc GN10 Control, Max. Swing 14", Distance Between Centers 12", Bore 1-7/8", Max. Spindle Speed 5,000 RPM, Cross Slide X Travel 4.5", Z Axis 12", 8 Station Turret, sn CN-2858-F

HARDINGE Har-Matic, Hydromatic Retractable Bar Feed System, sn N040274

PRECISION LATHES

HARDINGE HLV-H High Speed Super Precision Lathe, Swing Over Bed 11", Distance Between Centers 18", 1-1/4" Bore, Spindle Capacity From 3/4" Square 5C Collet to 6" Step Chucks, Variable Speed 125 to 3,000 RPM, Motorized Cross Slide, Accu-Rite 2 Axis DRO, Gearbox, Quick Change Tool Post, Work Light, sn 14591-T
2 SCHAUBLIN 102N High Speed Watchmaker's Lathes, Swing Over Bed 8", Max Turning Length 17.7", Height 4", Spindle Bore .98", Speed Range 220-3,100 RPM, Collets, sn 336177, 298876



CHEVALIER FCL-1840A 2-AXIS CNC LATHE PLUS



OMNI TURN GT-75 SERIES 3" CNC SLANT TURNING CENTER

**CAN'T ATTEND AUCTION?
ALSO BID ONLINE VIA**



SCHAUBLIN
102N HIGH SPEED
WATCHMAKER'S
LATHES

1 of 2



HARDINGE CHNC II PLUS SUPER PRECISION HIGH SPEED CNC LATHE



HARDINGE HLV-H HIGH SPEED SUPER PRECISION LATHE

2007 **SODICK** AQ300L LN1W Type LQW300 Wire EDM, Sodick LNIW Linear Servo Control, Travels: X-11.81", Y-7.87", Z-7.87", U-3.14", V-3.14", Tank Dimensions 29.5" x 19.6", Max. Workpiece Size 19.7"x11.8"x7.87", Max. Workpiece Weight 660 lb, System 3R Tooling & Plates, Wire Feed Speed 16.5 IPS, 380 Liter Dielectric Tank Capacity, sn 0459



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Additional
pictures
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2004 **MITSUBISHI** FA20V 5
Axis CNC Wire EDM,
Mitsubishi CNC Control, Max.
Workpiece Dimensions 41.3" x
31.5" x 17.5", Max. Workpiece
Weight 3,306 lb, Z Axis Stroke
17.7", Tank Capacity 1,100
Liter, Auto Wire Feed, Wire
Chopper, sn F2VM1061

HARGE MACHINES



1999 **INGERSOLL** Gantry 500 Sinker Type EDM Machine, Multi Pulse CNC Control, 19-Station Tool Holder, 3-R Tooling, C-Axis Capability, Tank Dimensions 29.5"x25.6"x16.5", Travels: X-20.7", Y-15.7", Z-14.8", Table Size 28.7"x24.8", Max. Table Capacity 2,204 lb, Max. Travel Speed X,Y,Z-78.7 IPM, Drop Tank, 400 Liter Dielectric Capacity, Rencor Chiller, Max. 30 Amp, Rebuilt in 2007 by Mitsubishi, sn 573197



1997 **MITSUBISHI** FX10 CNC Wire EDM, Mitsubishi CNC Control, Travels: X-13.79", Y-9.84", Z-8.66, U&V-1.25", Table Size 24.8" x 20.8", Max Workpiece Weight 1168 lb, Rapid Traverse 51.2 IPM, Max. 5 Axis Simultaneously Controlled, Auto Wire Threading, Wire Chopper, Hapco Filtration, Chiller, sn 56E10533



1994 **MITSUBISHI** V35FS Sinker Type, Tank Inside Dimensions 31.5"x21.6"x12.2", Max. Workpiece Dimensions 29.5"x19.7"x8.3", Max. Workpiece Weight 1,102 lb, Table Dimension 27.5"x19.7", 15 ATC, 3-R Type Tooling, C-Axis Capability, Mitsubishi CNC Control, Up To 2,000 RPM, Booster to 30 AMP, Dielectric Fluid Capacity 385 Litre, Paper Filter, Chiller, sn 043V1393



Huge Quantity Of Assorted New & Used **SYSTEM 3R** Tooling, 54-58mm Base Plates, Draw Bars, Components and 5 Assorted **LANG TEKNIK** Precision Clamps

CMM's MICROSCOPES &

2004



*Electronics Rebuilt
By Zeiss in 2011*

2004 **ZEISS** CONTURA SELECT 710/6

2010



2010 **TESA TECHNOLOGY** MICRO HITE 3D DCC



MITUTOYO SUPER QUICK VISION PRO 3D CNC VISION MEASURING SYSTEM

2004



2004 **ZEISS** O-INSPECT OPTICAL SCANNER MODEL O-I 442



OGP SMART SCOPE 250 VIDEO MEASURING MICROSCOPE SYSTEM

PRECISION INSPECTION



5 **LEICA** STEREO MICROSCOPES, MS-5 PACKAGE



TOPCON-TUM 187H-1000 MICROSCOPE

CMM'S

2004 **ZEISS** Contura Select 7/10/6, Travels: X-27.5", Y-39.4", Z-23.6", Table Size 36.2"x52.7", Table Height & Clearance Under Bridge 33.4", Clearance Under Probe Head 26.7", Max. Workpiece Weight 1,606 lb, Zeiss Vast MT Universal Probe, 5 Station Stylus Changer, Calypso, **Computer Electronics Rebuilt By Zeiss in 2011**, sn 200403521372

2010 **TESA TECHNOLOGY** Micro Hite 3D DCC, Travels: X-18.1", Y-20.1", Z-16.5", Measuring Speed 29.9 IPS, Tesa Star I Probe, Table Size 22" x 30", sn 0710043

PRECISION INSPECTION

2007 **ZEISS** O-Inspect Optical Scanner Model O-1 442, Travels: X-15.75", Y-15.75, Z-7.87, Vast XXT TL1 Passive Scanning & Touch Probe, Zeiss Discovery Optical Zoom Lens with HD CCD Camera, Max. Workpiece Weight 88 lb, Table Height 33.5", Travel Speed X&Y-7.87 IPS, Z-1.97 IPS, Integrated Vibration Damping, 6 Station Stylus Changer, Calypso Video Image Analysis, Computer, sn 136751

MITUTOYO Super Quick Vision Pro 3D CNC Vision Measuring System, X,Y & Z Computer Controlled DC Servomotors, CCD Camera Capture Built Into Z Axis, Measuring Range: X&Y-15.75", Z-9.84", Table Size 19" x 21", Variable Magnification PPT 6X, 9 Station Renishaw Tool Holder, QVPAK & Computer, sn 2499011

OGP Smart Scope 250 Video Measuring Microscope System, Travels: 10"x6"x8", Auto Calibrating Zoom Lens, Max. Load Capacity 50 lb, sn SF2501526

MITUTOYO LH-600B Digital Linear Height Gauge, sn 010128

Z-MIKE 121B 12,000 Series Laser Micrometer, Model 1201B

GALILEO D200 Digital Hardness Tester

HAWKEYE Precision Borescope

DAZOR Speck Finder

Huge Quantity Of New & Used Assorted Digital Verniers, Micrometers, Pin, Block and Ball Gauge Sets



WILD HEERBRUG MODEL M715 PORTABLE MICROSCOPES



MITUTOYO LH-600B DIGITAL LINEAR HEIGHT GAUGE



GALILEO D200 DIGITAL HARDNESS TESTER



PARTIAL VIEW ASSORTED PRECISION & TOOLROOM MICROSCOPES BY **MITUTOYO, NIKON, BAUSCH & LOMB & PROJECTINA SWISS**



MICROSCOPES

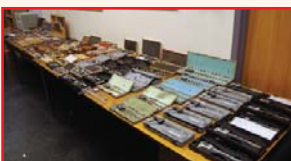
5 **LEICA** Stereo Microscopes, MS-5 Package, Inclined Binocular Tube 45 Deg., Eyepieces 10x/21B, High Eyepoint, Inclined Microscope Carrier, ESD Boom Stand, Achromat Objective 0.5x, 58mm External Dia, 187mm Working Distance, Plus Optional Circular Neon Ring Illuminator

LEICA M50 Stereo Microscope, Including M50 Optics Carrier, Eyepiece 10x/23B, Inclined Tube 45 Deg., Achromat Objective 0.5X 188.5mm, Plus White Light Ring

WILD HEERBRUG Model M715 & **NIKON** Measurescope Portable Microscopes

TOPCON-TUM 187H-1000 Microscope, Heidenhain 2 Axis DRO, sn 187078

Assorted Precision & Toolroom Microscopes by **MITUTOYO, NIKON, BAUSCH & LOMB & PROJECTINA SWISS**



PARTIAL VIEW OF ASSORTED NEW & USED PRECISION INSPECTION EQUIPMENT



HAWKEYE PRECISION BORESCOPE



DAZOR SPECK FINDER



Z-MIKE 121B 12,000 SERIES LASER MICROMETER

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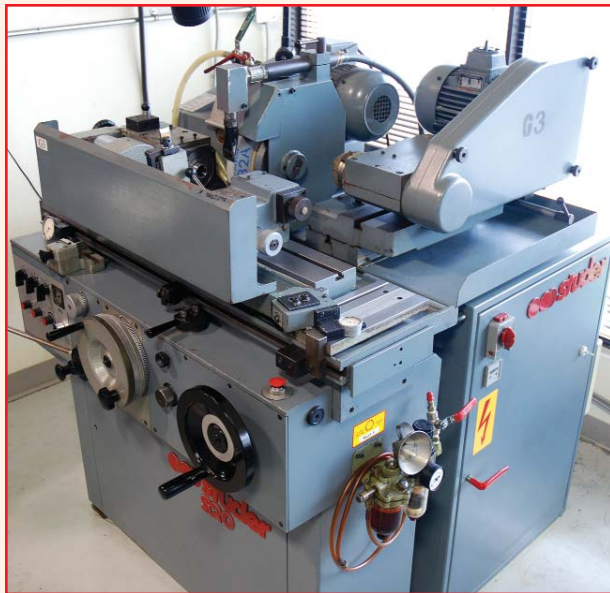
CNC & PRECISION GRINDERS



CHEVALIER SMART 818, 8"X18" SURFACE GRINDER



JONES & SHIPMAN 540X, 6" X 18" HYDRAULIC SURFACE GRINDER



STUDER UNIVERSAL CYLINDRICAL GRINDER MODEL S20-12



CHEVALIER FSG-1020AD, 10"X20" HYDRAULIC SURFACE GRINDER



UNISON 288-0000 PRECISION GRINDER



SCHEU S2/4D, 8" X 14" HYDRAULIC SURFACE GRINDER



JONES & SHIPMAN 540L, 6" X 18" SURFACE GRINDER



UNISON 2100 PRECISION GRINDER



ELB PERFECT 6ND, 12" X 24" HYDRAULIC NC SURFACE GRINDER

PRECISION GRINDERS

2 CHEVALIER Smart 818 & 818B, 8" x 18", 3-Axis CNC Surface Grinder, Max Distance Table Surface to Spindle Center Line 18", Max. Table Travel 20", Max. Table Speed 82 FPM, Max. Cross Travel 8-3/4", 82 FPM, Spindle Speed 2,850 RPM, Max. Table Load 462 lb, 2 HP, 818 sn S2889004, 818B sn SB887002

JONES & SHIPMAN 540X, 6" x 18" Microprocessor Controlled Hydraulic Surface Grinder, Travels: 18.8"x6.8"x20", Rapid Feed Rate 945 IPM, Distance Between Table and Grinding Wheel 15.75", Wheel Dimensions 8"x8"x1.25", Wheelhead Speed 2,640, 2 HP, GS Walker Electro-Magnetic Chuck and Pendant Control, PGL Optidress E High Precision Wheel Dresser (sn 711585), Factstor DRO, Filtration, Coolant

STUDER Universal Cylindrical Grinder Model S20-12, Series 21, Centre Height 3.15", Distance Between Centres 15.75", Stroke .039-16.54", Variable Speed .4-11.5 FPM, Max Swivel of Top Table 30 Deg., 12" Grinding Wheel, 5" Bore, Internal Grinding Attachment, Max Workpiece Weight 44 lb, Rapid Advance & Retract 1.18", Filtration, 230V, sn 516.21

CHEVALIER FSG-1020AD, 10"x20" Full Automatic Hydraulic Surface Grinder, Max. Travels 22" x 11", Distance Spindle Center To Table 21", Variable Table Speed 16-98 FPM, Rapid Traverse 8 IPM, Electro Magnetic Chuck, Incremental Downfeed, Grinding Wheel Size 8", 3 HP, sn E186C002

JONES & SHIPMAN 540L, 6" x 18" Surface Grinder, Accu-Rite 2-Axis DRO, Max. Vertical Head Travel 11", 7" Grinding Wheel, 3,000 RPM, High Precision Wheel Dresser, sn B074983

UNISON 288-0000 Precision Grinder, Travels: X-18", Y-6-3/4", Z-7", Dedtru C-M Grinding Attachment, (sn 0865), Heidenhain 2-Axis DRO, Grinding Roundness 0.000025", Concentricity 0.000050", Diametric Repeatability 0.0001" or Better, Max. Wheel Dia 8", Max Width 3", 3,600 HP, 3HP, sn 4332-W

UNISON 2100, Precision Grinder, Unison CNC Control, Work Capacity .005" - 5" Dia. Travels: X-18", Y-5.5", Z-6", Servo Motors Encoder X Axis, Glass Scales Y&Z, Max. Wheel Dia 8", CNC Dedtru Model C Grinding Attachment, 3,600 RPM, 3 HP, sn 3955,

SCHEU S2/4D, 8" x 14" Hydraulic Surface Grinder, Travels: X-15.75", Y-11.02", Z-8.66", Dressing Attachment, 9.8" Grinding Wheel, Max. Spindle Speed 4,400, Max. Infeed 82 FPM, DRO, sn 036

ELB Perfekt 6ND (A) 6, 12" x 24" Hydraulic NC Surface Grinder, ELB 3-Axis NC Control, Grinding Area 24" x 15" x 13", 460V, sn 212590690

BOYAR SCHULTZ Challenger H612 Hand Fed Surface Grinder, sn: n/a

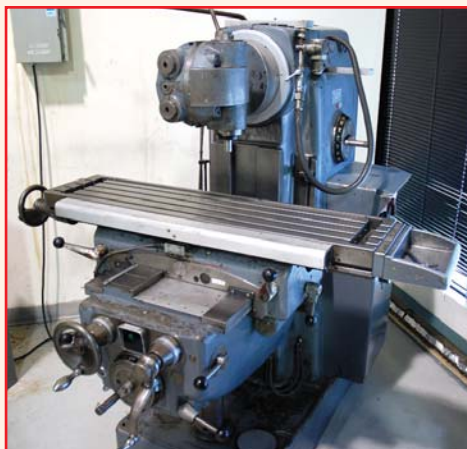
UNIVERSAL MILLS & PRECISION TOOL SETTERS



DECKEL UNIVERSAL MILL MODEL FP3



ACIERA MODEL 22 STA-E



SCHAUBLIN UNIVERSAL MILL MODEL 53



SUNNEN HONE MBB-1660K



CEIA VITRASONIC ULTRASONIC WASH MODEL USCM1G/1200



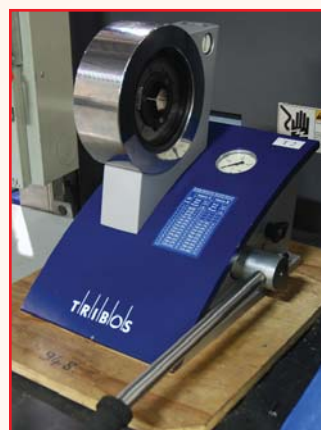
SPERONI PRECISION PRESETTING & MEASURING SYSTEM, MODEL STP-34 EZVISION



REGOFIX POWRGRIP PGU6100 HYDRAULIC CLAMP



KENNAMETAL THERMOGRIP TOOL SETTER, MODEL TTISG 2200 CCNA



TRIBOS TOOL CLAMPING SYSTEM, MODEL SVP-2



PARTIAL VIEW OF **FRIBOSA** PRECISION VICES, SINE PLATES

MILLS

DECKEL Universal Mill Model FP3, Travels: X-19-1/4", Y-11-3/8", Z-14.5", Table Size 16.5" x 31.5", 40 Taper, 40 to 1,250 RPM, Rapid Traverse 60 IPM, Bausch and Lomb 3-Axis DRO, sn 2027-2852

DECKEL Universal Mill Model FP1, Travels: X-11", Y-13", Z-5", 40 Taper, 40-2,000 RPM, 16 Speed, Feed Rate 20 IPM

ACIERA Model 22 STA-E, Heidenhain Positip 850 Control, Travels: X-12.9", Y-8.1", Z-13.8", Table Size 27.5"x14.5", Drilling Capacity 0.866", Quill Stroke 4.72", Speed Range 40-3,600 RPM, Dist. Between Table and Spindle Nose 3.5"-29.1", Power Downfeed, sn 60066

SCHAUBLIN Universal Mill Model 53, Table Size 10" x 43", Power Table Traverse 27.5", Vertical Feed 16.9", Cross Feed 9.8", 18 Speeds From 38 to 1,500 RPM, 4 HP, 550V, sn 204018

MISCELLANEOUS

SUNNEN Hone MBB-1660K, ID Range .0600 – 6.5000, Max. Length Range 16", Spindle Speed Range 200 – 2,500, 5 HP, Plus Cabinets with Many Mandrels

CEIA VITRASONIC Ultrasonic Wash Model USCM1G/1200, sn 20003011031

SOLID TB10 Gearhead Drill Press, sn 10129

SERVO 7400-70 High Speed Drill Press, sn 6862

METEOR Precision Tool Grinder

GRIEVE Laboratory Oven

TRINCO 36/BP2, 24" x 36" Dry-Blast Sandblast Unit

SANDMASTER 55 Sandblast Cabinet

RAYTECH Centrifugal Magnetic Finisher, Model CMF-1200, Digital Control

BRANSON Model 5210 & 3200 Ultrasonic Cleaners

KALAMAZOO Horizontal Bandsaw

HOBART Welder

COMCO Cabinet-Type Micro-Blaster

NEWBOLD & Other Assorted Indexers

Dual Tumbler, Digital Controls

Precision Lapping Machine

SL812 Degreaser, sn 158

2005

TOOL SETTERS & TOOLING

2005 **SPERONI** Precision Presetting & Measuring System, Model STP-34 EZVision, Travels X-12", Z-16", 50-40 Taper Reduction Attachments, Computer

REGOFIX Powrgrip PGU6100 Hydraulic Clamp

KENNAMETAL Thermogrip Tool Setter, Shrink Fit Induction Unit, Model TTISG 2200 CCNA, For Use With: HSK 32, 40, 63, 80, 100 & V Flange 30, 40, 50, Work Surface Height 35"

TRIBOS Tool Clamping System, Model SVP-2



1 of 3 Compressors Up To 50 HP

KAESER SK19, 15 HP AIR COMPRESSOR



1 of 3 Air Dryers

KAESER KRD050 AIR DRYER



1 of 4 TORIT Dust Collectors

TORIT SDF-6 CHECKERBOARD DUST COLLECT SYSTEM



RAYTECH CENTRIFUGAL MAGNETIC FINISHER, MODEL CMF-1200



DUAL TUMBLER, DIGITAL CONTROL



COMCO CABINET-TYPE MICRO-BLASTER



1 of 2

TRINCO 36/BP2 SANDBLAST UNIT

Huge Quantity Of Assorted HSK 63, HSK 40T, 50, NSK 50 Tooling, Tools, LISTA Cabinets, Precision Tooling, Dowel Pins, Carbide Drills 0.00 – 10mm, Worldheart Tools, Countersinks, Radius Cutters, Center Drills, Carbide Slitting Saws, Endmills, Drills, Reamers .126"-.501", Metric Reamers .3-16mm, Drills .0135"-1.5", MITEE BITE Machining Base Plate, 25 Asst FRIBOSA Precision Vices & Sine Tables, Precision Arbor Presses, Plus Assorted Raw Materials, Etc.

AIR COMPRESSORS/ DRYERS

SULLAIR ES11 50 HP Rotary Screw Air Compressor, sn 003-120485

KAESER SK19, 15 HP Rotary Screw Air Compressor

KAESER SM11 10 HP Rotary Screw Air Compressor

KAESER KRD050 Air Dryer

CLIMATE MASTER GRV042AGC30CRTS Refrigerated Air Dryer

AIRTEK SC220 Refrigerated Air Dryer

DUST COLLECTORS

TORIT SDF-6 Checkerboard Dust Collect System, sn IG567912-001, 705HP

TORIT VS1200 Dust Collect System, sn IG567912-002

PORTAHOG Dust Hog Dust Collector

Assorted Work Benches, Tools, Tooling, Intellectual Property, Miscellaneous Assorted Equipment, Precision Inspection Equipment, All Related Accessories, Office Furniture & Equipment, Computers, Cabinets, NORTEL Norstar Phone System, Security Cameras, Etc

Bid ONLINE at



TERMS OF SALE



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All Online Bidders Must Register on Bidspotter By Tuesday November 1, 5pm.

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A \$500 refundable security deposit is required upon onsite registration (\$2,000 Online).

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All goods are sold "As Is, Where Is", ALL SALES ARE FINAL.

All subject to prior sale. All Sales in Canadian Funds.

Complete terms and conditions including removal procedures, are available on our website, will be posted at the auction and will be provided at the time of registration.

REMOVAL TIMES

All Items By Wednesday November 16, 2011. **Hours:** Monday – Friday between 8 am – 4 pm. No items may be removed during auction. NO EXCEPTIONS.

DIRECTIONS: Montreal Intl Airport to 208 Rue Migneron, Saint-Laurent, Quebec, H4T1Y7 – Approx. 10 km, 15 Mins. Exit airport and follow signs to Autoroute 520 W, follow signs for Autoroute 520 E/ Autoroute 20 W, Take exit 5 toward Rue Hickmore, Merge onto Chemin de la Côte de Liesse, Turn right onto Rue Merizzi, Turn left onto Rue Hickmore/Rue Mcarthur, Continue to follow Rue Mcarthur, Turn right onto Rue Griffith, Take the 1st right onto Rue Migneron, Destination will be on the right

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