



Equipment Listing 2009-2010

▶ LATHE EQUIPMENT

MORI SEIKI

- 1 CNC NT-3200-1000 SZ
- 17 SINGLE TURRET/LIVE TOOLING CNC LATHES :
2 EQUIPPED W/ BAR FEEDERS
MODELS: (NL3000Y, NL2500Y,
NL2500SY, NL-2000 MC)
- 2 ZL-25 TWIN TURRET LONG BED CNC LATHES
- 4 TWIN TURRET/LIVE TOOLING/TWIN SPINDLE BAR
FEED CNC LATHES
MODELS: (NZ2000 T2Y2, ZL-250 SMC)
- 2 RL-253 TWIN SPINDLE/TWIN TURRET CNC LATHES
- 1 SL-35 LONG BED CNC LATHE
- 2 SINGLE SPINDLE/SINGLE TURRET CNC LATHES
MODELS: (SL-25, CL-25A)

INDEX

- 1 MS-32B CNC SIX SPINDLE AUTOMATIC
- 7 MS-36E SIX SPINDLE AUTOMATIC

STAR

- 12 SV/SR 32 SWISS TYPE BAR FEED LATHES:
12 EQUIPPED W/ SUB SPINDLE & LIVE TOOLING
- 11 SR-20R SWISS TYPE BAR FEED LATHES:
11 EQUIPPED W/ SUB SPINDLE & LIVE TOOLING
- 4 JNC-25 SWISS TYPE BAR FEED LATHES

WASINO

- 6 G07 CNC GANG CHUCKER LATHES
W/ GANTRY LOADER
- 1 GG5 TWIN SPINDLE CNC GANG CHUCKER LATHE
W/ GANTRY LOADER
- 2 JJ1 TWIN SPINDLE CNC LATHES W/ GANTRY LOADER

▶ GRINDING EQUIPMENT

VOUMARD

- 14 110 CNC I.D. GRINDERS (4 SPINDLE TURRET):
1 W/ AUTO LOADER
- 1 150 CNC I.D. GRINDER W/ "B" AXIS
(4 SPINDLE TURRET)
- 1 200 CNC I.D. GRINDER W/ "B" & "U" AXIS
(4 SPINDLE TURRET)

KELLENBERGER

- 3 UR175/1000 KEL-VAIRA CNC O.D., I.D.,
& FACE GRINDERS W/ "B" & "C" AXIS
- 1 UR175/1000 CNC O.D., I.D., & FACE GRINDER
W/ "B" AXIS
- 2 UR175/1000 CNC GRINDERS W/ 3 AXIS
DIAFORM DRESSERS
- 2 UR175/1000 CNC O.D., I.D., & FACE GRINDERS
W/ MOVOMATIC IN-PROCESS GAUGING
- 1 URS125/430 CNC ANGLE HEAD – I.D.
& O.D. GRINDER
- 4 RS-125/430 CNC ANGLE HEAD GRINDERS:
2 W/ WESTEC GANTRY LOADER

- 6 MANUAL & CNC O.D. GRINDERS:
UP TO 1000 MM LENGTH CAPACITY

OKAMOTO

- 4 IGM 15 NC GRINDERS: 3 W/ DUAL SPINDLES
& 1 W/ FANUC ROBOT
- 4 SURFACE GRINDERS: TABLE SIZE RANGE:
(6X12) TO (24X48)

SCHNEEBERGER

- 1 CORVUS 75 5-AXIS CNC GRINDER
- 1 GEMINI 5-AXIS CNC GRINDER

BRYANT

- 1 ID GRINDER MODEL 24LRS31

MOORE

- 2 450-CP CNC JIG GRINDERS

ENGIS

- 1 BORE FINISHING SYSTEM W/ 4 SPINDLES

CARLAP

- 1 MODEL 8000 DUAL FACE LAPPING MACHINE

HARIG

- 2 612 SURFACE GRINDERS
- 2 EZSURF 618 SURFACE GRINDERS

▶ MILLING EQUIPMENT

DIXI MACHINES

- 1 FHP80-5AXIS HIGH PRECISION/HIGH PRODUCTION
MACHINING CENTER S/N37

MORI SEIKI

- 1 NMV-5000 DCG W/ FULL 5-AXIS HIGH SPEED
- 39 HIGH SPEED VERTICAL CNC MILLS: 16 EQUIPPED
W/ NIKKEN 5AX-2MT-105-120 FA TABLE
MODELS: (NV5000, SV-400, SV-403, SV-503)
- 7 HORIZONTAL CNC MILLS : 4 EQUIPPED
W/ HIGH SPEED SPINDLES
MODELS: (NH4000, NH5000, MH-630, MH-63)
- 4 VERTICAL CNC MILLS
MODELS: (MV-65, F-M1)

MAKINO

- 2 V33 VERTICAL CNC MILLS W/ HIGH SPEED SPINDLES

NTC

- 2 NV4S VERTICAL CNC MILLS W/ DUAL PALLETS

FRYER

- 2 CNC MILLS W/ ANILAM CONTROL
MODELS: (MC-15, MB-10)

LAGUN

- 5 FTV-2S3 MILLS W/ ANILAM CONTROL

▶ **EDM EQUIPMENT**

MAKINO

- 3 EDNC CNC EDM'S W/ ELECTRODE CHANGER:
TANK SIZE RANGE – (29 X 47)

- 1 SNC-64 GRAPHITE CNC MILLING MACHINE
FANUC

- 8 ROBOCUT WIRE EDM'S W/ 12" 2-AXIS
HEIGHT S/AWF-12
MODELS: (11A, 11C)

CURRENT

- 1 CT500 F CNC EDM DRILL W/ 24 STATION
TOOL CHANGER

EDM SOLUTIONS

- 1 HP600 HOLE POPPER: TANK SIZE (24 X 12)

▶ **DIRECT METAL LASER SINTERING**

EOS

- 3 M 270 MACHINES

▶ **METROLOGY EQUIPMENT**

ZEISS

- 2 PRISMO HTG VAST COORDINATE MEASURING
MACHINES (36 X 40 X 20)

- 7 CONTURAS W/ CALYPSO SOFTWARE

- 4 SURFCOM 130A DIGITAL SURFACE ANALYZERS

- 1 DURAMAX CMM

ZYGO

- 2 GPI XP 3D SURFACE PROFILERS

- 1 NEW VIEW 5000 3D SURFACE PROFILER

TAYLOR-HOBSON

- 4 TALYROND 265 ROUNDNESS ANALYSIS SYSTEMS

- 5 FORM SERIES 2 TALYSURFS

- 6 DIGITAL SURFACE ANALYZERS

NUMEREX

- 3 DMM 636 COORDINATED DIAMETRIC MEASURING
MACHINES: O.D. & I.D. W/ REPEATABILITY TO .00002

- 1 CERAMIC COORDINATE MEASURING MACHINE
(28 X 28 X 18)

OGP

- 6 QL-30 CNC OPTICAL COMPARATORS

- 7 14" TOP BENCH CNC OPTICAL COMPARATORS

- 2 FLASH 500 AVANT SMARTSCOPES

NEWAGE

- 1 HARDNESS TESTER

PRATT & WHITNEY

- 1 LABMASTER – UNIVERSAL MEASURING SYSTEM

HEIDIHEIM

- 2 ND281D HEIGHT TEST GAUGES

▶ **METAL FINISHING EQUIPMENT**

- 4 HIGH ENERGY TUMBLERS
MODELS: (HZ120, HZ40)

ROTO-FINISH

- 1 ER-0405BC-88-A34 VIBRATORY DEBURR

EMPIRE

- 2 BBO TUMBLE BLASTERS

S.S. WHITE

- 1 AIR ABRASIVE JET MACHINE: PENCIL BLASTER
DYNABRADE

- 2 VARIABLE SPEED BELTING MACHINES

G & P

- 2 VARIABLE SPEED POLISHING JACKS

BALDOR

- 7 BUFFER GRINDERS
MODELS: (1800 & 3600 RPM, 6" & 8"-12")

- 4 AIR GRINDERS
MODELS: (60,000 RPM & 100,000 RPM)

▶ **MISC. EQUIPMENT**

NITON

- 1 MATERIAL ANALYZER

BLACKSTONE ULTRASONICS

- 2 AQ-4-1620 ULTRASONIC CLEANERS W/ AUTOMATION
EXTRUDE HONE

- 1 DYNAFLOW PROCESS AFM HL30

- 1 VECTOR 200 R09-1284AFM EXTRUDE HONE HL30

DAITO

- 4 AUTOMATIC CUT OFF SAWS 16" Ø CAPACITY

HEY

- 1 #3 DOUBLE ENDED FACING & CENTERING MACHINE
75" LENGTH CAPACITY

LEWIS ULTRASONICS

- 1 WRD-1812 WASH/RINSE/DRY CONSOLE

GSI LUMONICS

- 1 HM1400 LASER ENGRAVING MACHINE

GERBER BP

- 1 SMART EDGE PREPARATION & POLISHING MACHINE

HESS

- 1 MAE 40 TON HYDRAULIC STRAIGHTENER

NIKKEN

- 6 4TH & 5TH AXIS INDEXERS

SUGINO

- 1 JFC-V622FTE, 5000PSI, 7.7GPM WATERJET
DEBURRING SYSTEM

TECHNIDRILL

- 1 2 SPINDLE GUN DRILL ½" X 25" DEEP CAPACITY
W/ COUNTER ROTATION

PANTOGRAPH

- 1 31-PANTO ENGRAVING MACHINE