



C&A Tool Engineering, Inc. / Equipment Listing

▶ LATHE EQUIPMENT

MORI SEIKI

- 1 NVL1350MC Vertical Lathe
- 1 NT-3200 SZ
- 1 NTX-1000 SZ
- 1 NTX-2000 SZM
- 3 NLX-2500
- 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)

HYUNDAI – WIA

- 2 SKT700LM CNC Lathes w/ Fanuc 21 TiTB Control

SUMMIT

- 1 42-6 x 160 Heavy Duty Engine Lathe

INDEX

- 1 MS-22C CNC Multi-spindle
- 1 MS-32B CNC Multi-spindle
- 6 MS-36E Six Spindle Automatic

ZPS

- 1 8/42 SAC 8 Multi-spindle Cam Machine

STAR

- 5 ST-38 Swiss Type Bar Feed Lathes:
5 Equipped w/ Sub Spindle
& Live Tooling
- 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

▶ MILLING MACHINES

DIXI MACHINES

- 1 FHP80-5 Axis High Precision/High Production
Machining Center S/N37

DMG

- 1 DMU 210 FD 5-Axis CNC Machining Center
- 3 DMC 125 FD duoBLOCK 5-Axis CNC Machining Centers
- 2 DMU 65 FD monoBLOCK 5-Axis DND Machining Centers

HYUNDAI – WIA

- 1 KBN135 Boring Mill w/Fanuc 16iM Control

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

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 EDMs w/ Electrode Changer:
Tank Size Range – (29 x 47)
- 1 SNC-64 Graphite CNC Milling Machine

FANUC

- 8 Robocut Wire EDMs w/ 12" 2-Axis Height S/AWF-12
Models: (1iA, 1iC)

CURRENT

- 1 CT500 F CNC EDM Drill w/ 24 Station Tool Changer

BELLMONT

- 1 SY-CNC 4050TGR CNC EDM Drill w/ 20 Stage Tool Changer

EDM SOLUTIONS

- 1 HP600 Hole Popper: Tank Size (24 x 12)

▶ DIRECT METAL LASER SINTERING

EOS

- 4 M270 Dual Machines
- 1 M280 400watt Laser
- 3 M290 Titanium Machines

▶ GRINDING EQUIPMENT

VOUMARD

- 15 110 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)
- 1 300 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
- 4 UR175/1000 Kel-Vistas
- 1 UR175/1000 CNC O.D., I.D., & Face Grinder w/ "B" Axis
- 1 UR175/1000 CNC O.D., I.D., & Face Grinder
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

TAIYO KOKI

- 1 Vertical Grinder model 125

KLINGELNBERG

- 1 G60 Oerlikon Kurvex Grinder

NEWAY

- 1 SMG32H Spherical Grinder

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
- 1 LapMaster 24 Single Machine
- 2 LapMaster 15 Single Machines

HARIG

- 2 612 Surface Grinders
- 2 EZSurf 618 Surface Grinders

▶ METROLOGY EQUIPMENT**CAPTURE 3D**

- 1 Atos High Resolution Blue Light 3D Scanner

ZEISS

- 1 Accura
- 1 Accura II w/ Rotary Table
- 1 Micura
- 1 Prismo HTG Vast Coordinate Measuring Machine (36 x 40 x 20)
- 10 Conturas w/ Calypso Software
- 4 Surfcom 130A Digital Surface Analyzers
- 1 Surfcom NEX Digital Surface Analyzer
- 1 Rondcom 60A Round Form Analysis Measuring System
- 2 Rondcom NEX Round Form Analysis Measuring Systems
- 1 Duramax CMM

ZYGO

- 2 GPI XP 3D Surface Profilers
- 2 NewView 3D Surface Profilers (5000 & 6000)

TAYLOR-HOBSON

- 1 Talyrond 265 Roundness Analysis System
- 2 Talyrond 585 Round Form 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

- 5 QL-30 CNC Optical Comparators
- 7 14" Top Bench CNC Optical Comparators
- 1 Flash 500 Avant Smartscope

PRATT & WHITNEY

- 1 Labmaster – Universal Measuring System

OASIS

- 2 622-0.7x/12 Optical Automatic Smart Inspection Systems

CERTIFIED COMPARATOR CORP

- 1 C-Vision Video Comparator
- 3 CC-20 20" Optical Comparators w/ Digital Overlay

▶ METAL FINISHING EQUIPMENT**WALTHER TROWAL**

- 1 MV25 Multi-Vibratory System

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")

AIR GRINDERS

- 4 Models: (60,000 RPM & 100,000 RPM)

▶ MISCELLANEOUS EQUIPMENT**NITRON**

- 1 X-Ray Material Analyzer

BLACKSTONE ULTRASONICS

- 2 AQ-4-1620 Ultrasonic Cleaners w/ Automation

MIRACLEAN

- 1 SonicCell 1420-4 Ultrasonic Cleaner

EXTRUDE HONE

- 1 Dynaflo 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 ULTRASONIC

- 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