



Facilities List

CNC 5-Axis Machining Center

2 OKUMA MU-6300V Five Axis Vertical Machining Centers with 166 Tool Matrix, Renishaw Laser Probes, 600mm pallets, and Tool Monitoring Adaptive Control (TMAC) (P11-TF1 and P11-TF15 capable)

2 OKUMA MU-6300V-L Five Axis Multi-task Machining Centers (Mill-Turns) with 166 Tool Matrix, Renishaw Laser Probes, 500mm pallets, and Tool Monitoring Adaptive Control (TMAC) (P11-TF1 and P11-TF15 capable)

Fastems Flexible Manufacturing System (FMS) with 24 pallet capability, two (2) station Command Centers, expandable capacity to 36 pallets and Multi-level Systems Crane.

DMG MORI DMU65 Monoblock 5-Axis Machining center S/N 12140011163 60 Tool HSK Magazine, Renishaw Laser Probes, and Blum Laser Tool Measuring

CNC Horizontal Machining Centers

OKK HM500S S/N 115 Five Axis Horizontal Machining Center with 60 Tool Magazine. Renishaw Laser Probes. 20 x 20" 2 Pallets.

OKK HM500S S/N 291 Five Axis Horizontal Machining Center with 60 Tool Magazine. Renishaw Laser Probes. 20 x 20" 2 Pallets.

OKK HM500S S/N 111 Five Axis Horizontal Machining Center with 60 Tool Magazine. Renishaw Laser Probes. 20 x 20" 2 Pallets.

OKK HM500S S/N 294 Five Axis Horizontal Machining Center with 60 Tool Magazine. Renishaw Laser Probes. 20 x 20" 2 Pallets.

CNC Vertical Machining Centers

OKK VM53R S/N 5323 With Fanuc 31i-A Control, 8,000 RPM CAT-50 Spindle, 25 H.P., Big Plus Spindle. 43.14" x 22.05" Table, 41.34" x 20.86" x 20.08" Travel

OKK VM76R S/N 2623 With Fanuc 31i-A Control, 8,000 RPM CAT-50 Spindle, 2 Speed Gear Box, 25 H.P., Max Spindle Torque of 349 FtLbs. 61.02" x 29.92" Table, 60.63" x 29.92" x 25.98" Travel

Kitamura My Center 3Xi APC S/N 12795 With Automatic Pallet Changer/side Shuttle with 30 Tool ATC (BT40), 10,000 RPM 2-Step Geared Spindle, 16 x 32" Table

Kitamura My Center 3Xi APC S/N 12340 With Automatic Pallet Changer/side Shuttle with 30 Tool ATC (BT40) , 10,000 RPM 2-Step Geared Spindle, 16 x 32" Table

Doosan MV3016L 4 Axis Machine S/N NM4100926 with 30 ATC, Through-the-spindle-coolant. SMW RT160 Rotary Table, Renishaw TS27T Probe 16 x 30" Table

Doosan DNM400 S/N DNM400051 with 8,000 RPM Spindle, Renishaw TS27 probe, ATS 6" Full Rotary Table, Spindle Oil Cooler, 16 x 35" Table, 17 x 22" Travel

Doosan DNM500 S/N MV0010-000933 with 12,000 RPM Spindle, Renishaw TS27R probe, ATS



7.8" full rotary table, Spindle Oil Cooler, 47 x 21" Table, 40 x 21" Travel

Matsuura 510VG S/N 10341 Vertical Machining Center 30-Position ATC, 16 x 35" Table

Fanuc CNC Drilling & Tapping Center S/N P08ZWH138 Robodrill A-T21iFL 33.5 x 16.0" Table, 21-Tool Rotary Turret, 24,000 RPM Spindle Speed

Fanuc CNC Drilling & Tapping Center S/N P08YWG919 Robodrill A-T21iF 33.5 x 16.0" Table, 21-Tool Rotary Turret, 24,000 RPM Spindle Speed

Fanuc CNC Drilling & Tapping Center S/N P055VG087 Robodrill A-T21iE 25.5 x 15.75" Table, 21-Tool Rotary Turret, 10,000 RPM Spindle Speeds

Fanuc CNC Drilling & Tapping Center S/N P082WG397 Robodrill A-T21iE 25.5 x 15.75" Table, 21-Tool Rotary Turret, 10,000 RPM Spindle Speeds

CNC Mill-Turn Centers

DMG MORI NLX2500SY/700_M730BM S/N NL254140747 10" Chuck & 3.1" Bar feed capacity on Spindle 1, 6" Chuck on Spindle 2, 12 Station Turret, Toll Pre-Setter, Chip Conveyor

DMG MORI NLX2500SY/700_M730BM S/N NL254141148 10" Chuck & 3.1" Bar feed capacity on Spindle 1, 6" Chuck on Spindle 2, 12 Station Turret, Toll Pre-Setter, Chip Conveyor

CNC Turning Centers

Okuma Genos L250, 6" Chuck, 12 Stations Turret, Automatic Tool Pre-Setter, Chip Conveyor.

Hyundai-Wia L400 S/N G3189-0041 25.2" Turning capacity, 12" Chuck, 12 Stations Turret, Automatic Tool Pre-Setter, Chip Conveyor.

Hyundai-Wia L300C S/N G63158-0564 12" Chuck, 12 Stations Turret, Automatic Tool Pre-Setter, Chip Conveyor.

Hyundai-Wia L300C S/N G3158-0568 12" Chuck, 12 Stations Turret, Automatic Tool Pre-Setter, Chip Conveyor.

Hyundai-Kia SKT-V5R S/N SKT-V5R 0244 Vertical Turning Center. 24" Turning capacity, 15" Chuck, 12 Stations Turret, Automatic Tool Pre-Setter, Chip Conveyor.

Hyundai-Kia SKT-V5L S/N G3197-0307 Vertical Turning Center. 24" Turning capacity, 15" Chuck, 12 Stations Turrets, Automatic Tool Pre-Setters, Chip Conveyors.

Hyundai-Kia SKT-VR5 S/N G3196-0410 Vertical Turning Center. 24" Turning capacity, 15" Chuck, 12 Stations Turrets, Automatic Tool Pre-Setters, Chip Conveyors.

Hyundai-Wia LV500LM S/N G3197-0380 Vertical Turning Center. 23.6" Turning capacity, 15" Chuck, 12 Stations Turret, Automatic Tool Pre-Setter, Chip Conveyor.

Hyundai-Kia SKT300 S/N SKT-3000108 Turning Center with Fanuc CNC Control and 22" Turning Capacity, 12" Chuck, 12 stations Turret, Tool Pre-Setter, Chip Conveyor.

Hyundai-Kia SKT300MS S/N SKT-G37340036. Multiple Spindle Turning Center with Fanuc



CNC Control and 22" Turning Capacity, 12" Chuck, 12 Stations Turret, Tool Pre-Setters, Chip Conveyor.

Hitachi Seiki HT20R III S/N NR 30734 High Performance Turning Center 13" Max Dia Turn X 19" long, 8" Chuck, Parts Catcher, and Touch Probes for Reduced Set-up Time

Hitachi Seiki Hi-Tech-Turn 23J S/N HTJ3725HL Turning Center 17" Max Dia Turn X 23.6" long with Bar Feed, Parts Catcher and Programmable Tailstock.

Hitachi Seiki TS15 S/N TS15243 Turning Center with Touch Probes for Reduced Set-up Time, 6" Chuck, 12 Stations Turret, Parts Catcher, Chip Conveyor.

Hitachi Seiki TS15 S/N TS15169 Turning Center with Touch Probes for Reduced Set-up Time, 6" Chuck, 12 Stations Turret, Parts Catcher, Chip Conveyor.

EDM

FANUC Alpha C400iA-Med 10" Wire EDM with (1) 64 Bit and (4) 32 Bit Processors, Seven Controllable Axes, Automatic Wire feed and anti-crash protection

Waterjet

OMAX 2652 S/N S511919 30 HP Ebbco closed loop system, 26 X 52" travel

Manual Machines

5 Bridgeport Vertical Milling Machines, Series 2J, 2HP, Variable Speed with Digital Read Out on "X" and "Y" Axis, Power Feed to 42" table, 4" Riser Block.

Manford manual milling machine

Manual Lathe YAM- 14 x 28" Engine Lathe

2 Marktronic Multidot - Marking machines

Moore No. 3 Jig Bore

Saws

Cosen Model C-260NC Horizontal NC Automatic Bandsaw 10.2"

Cosen Model C-420NC Fully Programmable , Dual Column Automatic Bandsaw 16.0"

Grinding Machines

Okamoto ACC 8-20ST Precision Surface Grinding Machine

Okamoto E-618 Precision Hand-Feed Surface Grinding Machine

BB 1660D Honing Machine 230V 3PH

Kent Automatic Surface Grinder with 12x24" Travel, Magnetic Table

JSG Surface Grinder

DoAll Surface Grinder

6 Spindle Drill Press



Miscellaneous Bench and Tool Grinders
Miscellaneous Air and Electric Burr Guns

Manufacturing Software

SolidWorks
MasterCAM X5
Vericut

Tool Setting Proficiency

Zoller Smile 420X Tool Presetter
Schenck Tooldyne Dynamic Tool Balancer
Multiple heat shrink tool setters

Inspection Equipment

Mitutoyo Crysta-Apex S9106 CMM with indexable head 35" x 39" x 23"
Mitutoyo MT17106 CMM with indexable head 27" x 40" x 23"
Mitutoyo Bright-A707 CMM with indexable head 26" x 26" x 22"
Brown & Sharp CMM
Brown & Sharp Micro-Hite Height Gauge, .00006 accuracy (5 units)
Brown & Sharp Digit-Hite Height Gauge, .0002 accuracy
Mitutoyo 14" Profile Projector with Micropak-2 Data Processor
Mitutoyo 24" Height Gauge .0002 accuracy
Yuasa 40" x 36" Surface Plate, .000050 accuracy
Louis Small Rockwell Hardness Tester