

Facilities List

CNC MILLING CENTERS (23)

	<u>X</u>	<u>Y</u>	<u>Z</u>	<u>Max RPM</u>
(1) Okuma MC3VA, 3 Axis	20"	13"	17.8"	6,500
(1) Okuma MC4VA, 3 Axis	26"	16"	17.8"	4,000
(1) Acroloc Series 100, 4 axis	32"	16"	24"	7,000
(1) Haas VF1, 4 Axis	20"	16"	20"	7,500
(1) Haas VF1, 4 Axis	20"	16"	20"	15,000
(3) Haas VF2, 4 Axis	30"	16"	20"	12,000
(2) Haas VF3, 4 Axis w/pallet change system	40"	20"	25"	12,000
(2) Haas VF3, 4 Axis w/pallet change system	40"	20"	25"	7,500
(1) Haas VF4, 4 Axis w/pallet change system	50"	20"	25"	7,500
(1) Haas EC400, 4 Axis Horizontal w/6 pallet change system	20"	20"	20"	12,000
(3) Haas VF5/40, 5 Axis	38"	26"	25"	10,000
(2) Haas VF2, 5 Axis w/robotic part tending	30"	16"	20"	12,000
(1) Haas UMC 750, 5 Axis	30"	20"	20"	12,000
(1) DMG DMU 65 Monoblock, 5 Axis	26"	26"	22"	18,000
(2) DMG DMU 60 EVO, 5 Axis	24"	20"	20"	18,000

CNC TURNING CENTERS (13)

	<u>X (d)</u>	<u>Z (l)</u>	<u>Max RPM</u>
(1) Daewoo Puma 10S, 2 Axis	14"	35"	2,800
(1) Daewoo Puma 300B, 2 Axis	16"	35"	2,500
(1) Hitachi Seiki HT20J, 2 Axis	10"	15"	5,000
(1) Hitachi Seiki 20SII, 2 Axis	10"	15"	5,000
(1) Hitachi Seiki HS23 Hi Cell, 4 Axis Turning/Milling	12"	20"	3,600
(1) Tsugami Swiss Turn SS26, 3 Axis w/ Sub Spindle	1"	24"	5,000
(2) Haas SL20, 3 Axis Turning/Milling w/auto parts loader	10.3"	24"	3,500
(1) Mori Seiki NL 2500Y, 4 Axis	10.2"	31.3"	6,000
(1) Mori Seiki NL 2000Y, 3 Axis	10.2"	23.2"	5,000
(1) Mori Seiki NL 1500SY, 6 Axis w/bar feed and gantry load	10.2"	22.8"	6,000
(1) Mori Seiki NLX 2500SY, 6 Axis with gantry load	10.2"	31.3"	6,000
(1) Mori Seiki NL 2500Y, 4 Axis	10.2"	31"	4,000

ROBOTICS & ASSEMBLY

- (1) FANUC M20-iA Robot w/ automatic parts staging cell integrated into 5-Axis Machining Cell
- (1) Despatch VRD2-19-1 Tempering & Assembly Oven

CAD/CAM SYSTEMS

- Ashlar-Vellum 3D Solid Modeling
- CATIA Solid Modeler, Version 4 & Version 5
- Virtual Gibbs CAD/CAM Software
- Open Mind CAD/CAM Software
- Alibre Design (Cad Software)

QUALITY SYSTEMS

- ISO9001:2008 & AS9100 REV. C Certified
- (2) Brown & Sharpe ONE 7.7.5 Shop Floor CMM, 28" x 28" x 20" w/PC-DMIS CAD
- (1) Brown & Sharpe ONE 7.10.7 Shop Floor CMM, 28" x 40" x 28" w/PC-DMIS CAD
- (1) Brown & Sharpe ONE 7.10.7 SF Shop Floor CMM, 28" x 40" x 28" w/PC-DMIS CAD
- (1) Brown & Sharpe 2012 PC-DMIS CAD Offline License
- MBD/DPD Approved