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## Facilities List

### CNC Milling Centers (23)

	<u>X</u>	<u>Y</u>	<u>Z</u>	<u>Max RPM</u>
(1) Acrolloc Series 100, 4 axis	32"	16"	24"	7,000
(2) Daewoo DVC 400, 3 Axis High Speed w/pallet change system	22"	15"	30"	10,000
(1) Daewoo DVC 400, 4 Axis High Speed w/pallet change system	22"	15"	30"	10,000
(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 VF2, 5 Axis w/robotic part tending	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
(3) Haas VF5/40, 5 Axis	38"	26"	25"	10,000
(1) Okuma MC3VA, 3 Axis	20"	13"	17.8"	6,500
(1) Okuma MC4VA, 3 Axis	26"	16"	17.8"	4,000
(1) Supermax Max-3, 3 Axis w/pallet change system	34"	17.5"	23"	12,000
(1) Haas EC400, 4 Axis Horizontal w/6 pallet change system	20"	20"	20"	12,000

### CNC Turning Centers (12)

	<u>X</u>	<u>Z</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) Super Kia Turn 21L, 2 Axis	16"	30"	4,000
(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) Tugami Swiss Turn 1000, 2 Axis Turning/Milling	1.25"	24"	4,000
(2) Haas SL20, 3 Axis Turning/Milling w/auto parts loader	10.3"	24"	3,500
(1) Mori Seiki NL 2500, 4 Axis	10.2"	31"	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

### Robotics

FANUC M20-iA w/ automatic parts staging cell

### CAD/CAM Systems

Ashlar-Vellum 3D Solid Modeling  
CATIA Solid Modeler, Version 4 & Version 5  
Virtual Gibbs CAM  
Alibre Design

### Quality Systems

ISO9001:2000 Certified  
AS9100 Rev. B Certified  
(1) Numerex Lab CMM 28" x 28" x 18"  
(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  
First Article IAW AS9102 Rev. A