



EDM Department

WIRE EDM Machines:	
1	AGIE Progress 3 (New 2009) Submerged, 4 Axis Wire EDM Machines 19.7 X 13.77 X 16.5 (X,Y, and Z travels) Up to 30 degree Taper .003" Diameter to .014" Diameter Wire
4	AGIE Agiecut 120 Submerged, 4 Axis Wire EDM Machines 7.9 X 11.8 X 10.0 (X,Y, and Z travels) Up to 30 degree Taper .003" Diameter to .014" Diameter Wire
1	AGIE Agiecut 120 Modified Extended Work Zone to accommodate larger parts. 4 Axis Wire EDM Machine 7.9 X 11.8 X 10.0 (X,Y, and Z travels) Up to 30 degree Taper .003" Diameter to .014" Diameter Wire
Small Hole EDM Drill:	
1	Chmer CM-H32 13.8 X 9.8 X 13.8 (X,Y, and Z travels) Z Axis Backslide 7.9" (15.7" Max Part Height) Hole Diameter Range .012" - .120
	System 3R Macro EDM Tooling System 3R 20mm Sinker EDM Tooling System 3R Wire EDM Tooling Mecatool Wire EDM Tooling

SINKER EDM Machines:	
1	Chmer 1065 4 Axis CNC Conventional EDM Machine 39.4 X 23.8 X 19.7 (X,Y, and Z travels) 150 Amp Power Supply, System 3R Macro Chuck, C Axis 6 Position Tool Changer Max Work piece 78 X 49 X 34 Max Work piece Weight 14000 lbs.
1	Charmilles Roboform 44 4 Axis CNC Conventional EDM Machine 19.7 X 13.8 X 13.8 (X, Y, and Z travels) 128 Amp Power Supply, System 3R Macro Chuck, C Axis, 6 Position Tool Changer Max Work piece 42 X 27 X 16 Max Work piece Weight 1100 lbs.
1	Charmilles Roboform 41 4 Axis CNC Conventional EDM Machine 19.7 X 15.7 X 17.7 (X, Y, and Z travels) 64 Amp Power Supply, System 3R Macro Chuck, C Axis, 24 Position Tool Changer Max Work piece 47 X 32 X 16 Max Work piece Weight 1100 lbs.
2	Charmilles Roboform 40 4 Axis CNC Conventional EDM Machine 19.7 X 15.7 X 17.7 (X, Y, and Z travels) 64 Amp Power Supply, System 3R Macro Chuck, C Axis, Max Work piece 47 X31 X 16 Max Work piece Weight 1100 lbs.
2	Hansvedt CS-1 Conventional EDM Machine 201 Power Supply (20 Amp) System 3R Macro Chuck 8 X 6 X 8 (X, Y, and Z travels)

CNC Machining Department

CNC Vertical Milling Machines:			
2	Supermax XV1020A CNC Vertical Machining Center 20 X 40 X 21 (X, Y, and Z travels) 10,000 RPM Cat 40 Spindle 24 Position Tool Changer Renishaw Tool Setter	2	ARES SEIKI R-450S CNC High Speed Vertical Machining Center 17.7 X 11.8 X 11.8 (X, Y, and Z travels) 12,000 RPM Spindle 12 Position Tool Changer Renishaw Tool Setter
1	KIRA KV-3MC CNC Vertical Machining Center 18 X 15 X 18 (X, Y, and Z travels) 10,000 RPM Spindle 16 Position Tool Changer		

Tool Room		Grinding Department	
3	Bridgeport Series I, 2hp Milling Machine	1	Gallmeyer & Livingston Automatic Surface Grinder (8 X 24 Travels)
1	Kalamazoo 14" Horizontal Band Saw	1	Reid Surface Grinder Automatic Surface Grinder (6 X 20 Travels)
1	Wilton Vertical 14" Band saw	1	Harig Surface Manual Surface Grinder (6 X 12 Travels)
1	Monarch Engine Lathe 16.5" Diameter Swing X 54" Between Centers	1	Guru Surface Manual Surface Grinder (7 X 20 Travels)

Inspection Department			
1	2006 Brown & Sharpe 09.15.08 Global Performance CMM 35.4 X 59 X 31.4 (X,Y, and Z) Travels PC-Dmis Software Renishaw PH10MQ Motorized Probe Head	1	12" Brown & Sharpe Height Master
		3	12" Starrett Digi-Check Height Master
		1	18" Starrett Digi-Check Height Master
Micrometers up to 6", Various Ball, Pin, Anvil, Tube, and Depth Micrometers, Verniers up to 26", Various Indicators (.001mm and .00005" Increments), Deltronics .0001" Pin Sets, Gage Pins from .011 to 1.000, Height Gages up to 24", Sine Plates, V Blocks, and many others.			

Engineering	CAD/CAM Formats
Mastercam X3 3D Milling and Solids SolidWorks 2011 Camtek PEPS, 4 Axis Wire EDM CAM	IGES, STEP, PDF PRO-Engineer Unigraphics AutoCAD (DXF or Dwg)