

CAD/CAM

Quantity	Equipment
5	GibbsCam
4	Solid Works
3	Work NC
3	NX6 / Unigraphics
2	CATIA V5
1	Esprit
1	DYNAform incremental draw simulation

Milling Machines

Quantity	Equipment	Work Area
1	Johnford DMC 1200H high speed CNC machining center w/ 15,000 RPM spindle	47"x 35.5"y 30"z
1	Daewoo Ace V65 CNC mill w/ 4,000 rpm spindle	70"x 33.5"y 32.7"z
1	Mazak 510C high speed machining center w/ 12,000 RPM spindle	40"x 20"y 18"z
1	Giddings & Lewis PC-50 CNC horizontal boring mill w/ 40 HP spindle	168"x 72"y 72"z
1	Viper V1600 CNC machining center w/ 35 hp 6,000 rpm spindle	61"x 31"y 35.5"z
5	Bridgeport mills w/ read out	
1	Kearney Trecker #4 vertical mill	
1	Cincinnati vertical mill	

Wire EDM

Quantity	Equipment	Work Area
1	Mitsubishi FA20 wire EDM	19.68"x 13.78"y 11.8"z

Lathe

Quantity	Equipment
1	Monarch 24" swing lathe
1	Monarch Toolmaker lathe

Handling Equipment

Quantity	Equipment
1	40-ton crane w/ 10-ton auxiliary hoist
1	25-ton crane
1	20-ton crane
1	15,000 lb. Hyster lift trucks
1	3,000 lb. electric forklifts
1	30,000 lb. Yale die loader

QC Department

Quantity	Equipment
1	CMM Travel Winzel 70" x 216" w/ PC-DMIS software
1	FaroArm portable CMM with laser scanner
2	24" height gauges
2	Complete sets of gauge blocks
2	Complete sets of gauge pins
2	48" x 96" granite surface plates

Drill Presses

Quantity	Equipment
1	Carlton 84" radial arm
1	Carlton 72" radial arm
1	Cincinnati Bickford 21" square column power feed
1	Cincinnati Bickford 24" square column power feed

Tryout Equipment

Quantity	Equipment	Bed Size	Shut Height	Other
1	2,500-ton Danly straight side press	108" x 200"	62" max	Capable of running 220" x 108" dies
1	450-ton Clearing straight side press	72" x 144"	56" max	56" coil feeder
1	300-ton Clearing straight side press	60" x 108"	40" max	

Grinders

Quantity	Equipment
2	Gallmeyer 10" x 24" hydraulic surface grinders
2	Okamoto 6" x 18" surface grinders
1	Brown & Sharpe 6" x 18" surface grinder
1	Brown & Sharpe 18" x 36" hydraulic surface grinder
1	Blanchard 30" rotary grinder
1	Gallmeyer 18" x 60" grinder

Cut-Off Equipment

Quantity	Equipment
1	Wells cut-off saw
1	Marvel cut-off saw
1	Do All bandsaw

Shop Size

Approx. 25,000 sq. ft.
