

MAJOR EQUIPMENT LIST

DRILLS

3	CASER RADIALS	
3	MULTISPINDLE PRODUCTION DRILL PRESSES	
7	DRILL PRESSES	

FURNACE

HEAT TREAT & BRAZE

1	VFS HL66 VACUUM FURNACE	66 DIA X 96L
1	COOLEY 1200°F BOX FURNACE	36 INCH X 36 INCH
1	PRECISION QUINCY 5E-50X50 AGE FURNACE	72 CUBIC INCH
1	CLEAN ROOM-ALLOY APPLICATION	

GRINDERS

3	SURFACE GRINDER	
1	INTERNAL GRINDER	

LATHES

Standard

1	TRACER LATHE	30 INCH SWING
2	TOOL ROOM LATHES	
3	PRODUCTION LATHES	

CNC

1	W&S 3SC	24 INCH CHUCK
1	B&O 3SC	24 INCH CHUCK
1	HURCO	8 INCH CHUCK

Vertical Turret

1	42 INCH VTL (KING, BULLARD)	
1	74 INCH VTL (KING)	80 INCH SWING
1	60 INCH VTL (TOSHIBA TUE15)	2 AXIS CNC
1	48 INCH VTL (MONARCH VLN12)	2 AXIS CNC
1	15 INCH VTL, TWIN SPINDLE (OKUMA-HOWA)	2 AXIS CNC

LASER

1	TRUMPF TLC CUT 5 LASER GANTRY 2.7 KW CO2, 5 AXIS	118 X 59 X 24
1	WESTINGHOUSE 6000 LASER GANTRY 400 W YAG, 5 AXIS	120 X 48 X 36

MILLING MACHINES

Standard

9	"BRIDGEPORT" MILLS	
1	HORIZONTAL BORING MILL 4 AXIS	49 X 49 X 59
1	P&W "2A" JIG BORE	

CNC

1	DMG 125P	49 X 31.5 X 34.5 (5 AXIS)
2	MONARCH VMC75 (VERT MACH CTR)	20 X 40 X 30
1	TOSHIBA NX-76 (HORIZ MACH CTR)	30 X 30 X 30 (4 AXIS)
1	TOSHIBA BTD-200 QF (HORIZ MACH CTR)	40X40X40 (4 AXIS)
1	HAAS TMP3	20 X 40 X 25

PRESSES

Brake

1	175 TON CINCINNATI	10 FOOT
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Punch

3	90 TON HORN PRESSES	
3	125 TON OBI PRESSES	
1	175 Ton Gap Press	

Hydraulic

3	100 TON HANNIFIN	
1	500 TON TRIPLE ACTION HPM	
1	GROTNES EXPANDER	
1	175 TON CINCINNATI OBS	
1	75 TON CINCINNATI OBS	

ROLLERS

1	96 INCH WIDTH	
2	36 INCH WIDTH	

SHEAR

1	CINCINNATI	10 FT
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SAWS

3	GROB	
2	DOALL	

PLANISHER

1	JET LINE	6 FT
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WELDERS

Electron Beam

1	SCIAKY EB/250 MA, 60 KV	VX.112 X 50 X 62
1	SCIAKY EB/500 MA, 60 KV	VX.68 X 68 X 78
1	SCIAKY EB/700 MA, 60 KV 6 AXIS CNC	VX.138 X 107 X 108

Resistance

6	SCIAKY SPOT WELDERS	60-400 KVA
3	SCIAKY SEAM WELDERS	125-250 KVA
1	FEDERAL TWEEZER WELDER	
1	PROJECTION WELDER	

Tig

18	MILLER SYNCROWAVE	600/150 AMP
1	GE P60 ROBOTIC WELDER	6 AXIS
3	LINE WELDERS	UP TO 8 FOOT
1	INERT GAS CHAMBER	

INSPECTION

CMM

1	BROWN & SHARP XCEL	47 X 78 X 39
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Measuring Devices

MICROMETERS/HEIGHT GAGES
GAGE BLOCKS/ETC

1	X-RAY & RADIOGRAPHIC DEVELOPMENT	
1	FPI CELL	
2	HARDNESS TESTER	
1	FEDERAL 15 INCH OPTICAL COMPARITOR	
1	CLEAN ROOM - CLASS 1000	

*All dimensions are in inches unless specified otherwise