

## PHB MACHINING EQUIPMENT LIST

### HORIZONTAL CNC MACHINING CENTERS

SPEEDS UP TO 15,000 RAPID TRAVERSE @ 2700IPM TOOL CHANGES @ .7 SEC  
HIGH-PRESSURE COOLANT TO 1,000 PSI MACHINES WITH PROBE CAPABILITIES

(5) NEXUS 5000	MAZAK	20" SQUARE PALLETS	2X
(1) FH8800	MAZAK	31.5" X 31.5" SQUARE PALLET	2X
(3) PFH-5800	MAZAK	20" SQUARE PALLETS	2X
(9) FH-5800	MAZAK	20" SQUARE PALLETS	2X
(1) H-800	MAZAK	25" SQUARE PALLETS	2X
(2) H-630	MAZAK	25" SQUARE PALLETS	2X
(1) H15-B	MAZAK	25" SQUARE PALLETS	10X
(1) H15B	MAZAK	25" SQUARE PALLETS	2X
(1) H-400	MAZAK	20" SQUARE PALLETS	6X
(1) FH-6800	MAZAK	25" SQUARE PALLETS	2X
(1) PALLETECH SYSTEM	MAZAK	20" SQUARE PALLETS	28x / 4 FH-5800's
(1) 4 STATION ROTARY INDEX MACHINING CELL KIRA HMC'S MFG'D BY ITI			
(1) 4 STATION ROTARY INDEX MACHINING CELL PRO-FLEX MFG'D BY ITI			
(2) OKUMA	HMC CAT 50 WITH 25" SQUARE PALLETS		2X
(1) DAEWOO	HMC 20" SQUARE PALLETS		2X

### VERTICAL CNC MACHINING CENTERS

(1) CHIRON	20 X 40 WITH 4 <sup>TH</sup> AXIS
(1) OKUMA	20 X 40 WITH 4 <sup>TH</sup> AXIS
(2) MAZAK	15/40 16 X 20
(2) MAZAK	V-10 20 X 40
(3) FADAL	20 X 40 WITH 4 <sup>TH</sup> AXIS
(1) MAZAK	V-550 20 X 50
(1) MAZAK	VQC 20-50B
(4) BROTHER	TC-32B

### TURNING CENTERS

(1) DOOSAN	VERTICAL LATHE 34" DIAMETER
(4) MAZAK	QT-8N 8" DIAMETER
(1) MAZAK	4TH AXIS LATHES 12-15" DIAMETER
(1) MAZAK	SL-21
(1) INDEX	VERTICAL LATHE MILL/TURN CAPABILITIES WITH GANTRY LOADER & POST PROCESS GAUGING
(2) MAZAK	SQT-15MY 15" DIAMETER WITH MILL/TURN CAPABILITIES
(1) OKUMA	LB-15 15" DIAMETER
(1) MAZAK	NEXUS 300

### SECONDARY EQUIPMENT

- (1) 36 FOOT LONG PARTS WASHER WITH AIR DRYING UNIT
- (1) IMPREGNATION UNIT USING IMPREX 95-1000A RESIN
- (1) COMPLETE TOOL ROOM FOR FIXTURE BUILD AND MAINTENANCE NEEDS



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### **INSPECTION EQUIPMENT**

- (4) CMM MEASURING MACHINES SHEFFIELD & CORDAX
- (2) PROGRAMMABLE WITH PH-10 ARTICULATING HEADS
- (2) 5 STATION PROBE RACK
- (1) ROUNDNESS MACHINE PROGRAMMABLE WITH PRINTER SETUP
- (1) PROGRAMMABLE COMPARATOR
- (1) SUPER-MICROMETER FOR CALIBRATION USE
- (10) VACUUM DECAY OR MASS-FLOW TESTING MACHINES
- MILLIPORE TESTING LAB FOR CLEANLINESS SPECIFICATIONS

COMPLETE GAUGE CALIBRATION SYSTEM FOR ALL HAND HELD GAUGES IN HOUSE.