

# PCA Aerostructures Company

## Equipment List



Updated: Aug 2009

Process or Machine Type	Group ID	Machine Description (Brand, Model No.)	Year Built	No. of Spindles	RPM	HP	Travel in inches					Table Size (Inches)
							X-Axis	Y-Axis	Z-Axis	A-Axis	B-Axis	
<b>GANTRIES</b>												
5-Axis CNC Mill Vertical	HB04	GANTRY CINCINNATI "HIGH SPEED"	1998	3	10,000	100	900	104	28	+/- 30°	+/- 30°	900 X 120
5-Axis CNC Mill Vertical	HB13	GANTRY SNK	1996	3	4,000	20	680	84	24	+/- 25°	+/- 25°	650 X 124
5-Axis CNC Mill Vertical	HB03	GANTRY CINCINNATI 30V	1997	1	10,000	100	482	84	24	+/- 25°	+/- 25°	480 X 72
5-Axis CNC Mill Vertical	GG01	GANTRY SNK "HIGH SPEED"	2006	3	10,000	100	680	84	24	N/A	N/A	650 X 124
5-Axis CNC Mill Vertical	GG03	GANTRY, CINCINNATI	1985	3	3,600	30	720	164	28	+/- 25°	+/- 25°	720 X 120
3-Axis CNC Mill Vertical	GG02	GANTRY, CINCINNATI	1985	4	3,600	30	720	104	28	N/A	N/A	720X120
<b>4 AXIS HORIZONTALS</b>												
4-Axis CNC Mill Horz.	HB10	NIIGATA HN100C	1997	1	6,000	30	80	55	55	N/A	+/- 360°	39 X 39
4-Axis CNC Mill Horz.	ES02	MORI-SEIKI "HIGH SPEED"	2003	1	12,000	30	48	40	40	N/A	+/- 360°	32 X 32
4-Axis CNC Mill Horz.	ES03	HAAS "HIGH SPEED" EC400	2004	1	12,000	15	20	20	20	N/A	+/- 360°	16 X 16
4-Axis CNC Mill Horz.	ES07	OKK "HIGH SPEED" HM800S	2006	1	12,000	33	42	36	35	N/A	+/- 360°	24 X 24
4-Axis CNC Mill Horz.	HB11	LE BLOND MAKINO MC65	1987	1	3,400	20	25	22	20	N/A	+/- 360°	22 X 22
<b>5 AXIS VERTICAL MILLS</b>												
5-Axis CNC Mill Vertical	ES04	OKK "HIGH SPEED"	2004	1	10,000	50	120	32	28	+/- 35°	+/- 35°	129 X 30
5-Axis CNC Mill Vertical	ES05	CINCINNATI LANCER "HIGH SPEED"	2001	1	15,000	25	80	30	28	+/- 40°	+/- 40°	80 X 31
5-Axis CNC Mill Vertical	HB12	SNK PROFILER	1995	1	4,000	20	120	50	30	+/- 25°	+/- 25°	124 X 48
5-Axis CNC Mill Vertical	HB12	SNK PROFILER	1988	1	4,000	20	120	50	30	+/- 25°	+/- 25°	124 X 48
5-Axis CNC Mill Vertical	HB02	SNK PC-60/5	1994	1	5,000	20	60	26	18	+/- 25°	+/- 25°	64 X 20
<b>3 AXIS VERTICAL MILLS</b>												
3-Axis CNC Mill Vertical	HB09	SNK FSP - 120	1992	3	4,000	20	120	50	30	N/A	N/A	124 X 48
3-Axis CNC Mill Vertical	HB09	SNK FSP - 120	1992	3	4,000	20	120	50	30	N/A	N/A	124 X 48
3-Axis CNC Mill Vertical	HB06	MORI-SEIKI MV-80	1992	1	3,400	20	60	30	30	N/A	N/A	72 X 35
3-Axis CNC Mill Vertical	HB05	MORI-SEIKI MV - 65/60	1987	1	3,400	20	50	25	24	N/A	N/A	60 X 28
3-Axis CNC Mill Vertical	HB06	MORI-SEIKI MV-80	1985	1	3,400	20	60	30	30	N/A	N/A	72 X 35
3-Axis CNC Mill Vertical	HB01	FADAL CNC VMC8030 "HIGH SPEED"	1997	1	10,000	15	80	30	24	N/A	N/A	82.5 X 30
3-Axis CNC Mill Vertical	HB01	FADAL CNC VMC8030 "HIGH SPEED"	1997	1	10,000	15	80	30	24	N/A	N/A	82.5 X 30
3-Axis CNC Mill Vertical	HB01	FADAL CNC VMC8030 "HIGH SPEED"	1997	1	10,000	15	80	30	24	N/A	N/A	82.5 X 30
3-Axis CNC Mill Vertical	HB01	FADAL CNC VMC8030 "HIGH SPEED"	1995	1	10,000	15	80	30	24	N/A	N/A	82.5 X 30
3-Axis CNC Mill Vertical	HB08	SNK RB-2NSM	1997	1	3,400	20	110	58	50	N/A	N/A	112 X 48
3-Axis CNC Mill Vertical	HB08	SNK RB-2NSM	1995	1	3,400	20	110	58	50	N/A	N/A	112 X 48
<b>PRESS EXTRUSION FORMING</b>												
Stretch Form Press (Sheet)	HB-NB	Sheridan SFP LS-1200 (See Page 3)	1957	N/A	10,000 PSI	1200 Tons	Rise 36 "	134	408	Rotation 20 Deg	N/A	Rise 36" x 134 min x 408 Ext.
<b>LATHES</b>												
CNC Lathe	HL-HB	OKUMA "HIGH SPEED"	1998	1	10,000	9	N/A	NA	50	N/A	N/A	N/A
CNC Lathe	HL-HB	OKUMA "HIGH SPEED"	1996	1	10,000	5	N/A	NA	18	N/A	N/A	N/A
<b>CMM</b>												
CMM LK G90 C	CMM-HB	LK 80" (PC-DMIS CAD 2006)	1997	N/A	N/A	N/A	80	48	40	N/A	N/A	120 X 60
CMM LK G90 C	CMM-HB	LK 160" (PC-DMIS CAD 2006)	1998	N/A	N/A	N/A	160	60	40	N/A	N/A	180 X 70