

Machine List

Lean Manufacturing Cell	Machine Name	Machine Type	Number of Axis	Material	Spindle Speed	Operating Envelope
Manufacturing Equipment						
5-Axis, High-Speed, Large	HPS #1	HPS - 120 B/5	5 Axis	Aluminum	15,000	120" x 48"
	HPS #2	HPS - 120 B/5	5 Axis	Aluminum	15,000	120" x 48"
	HPS #3	HPS - 120 GBX	5 Axis	Aluminum	15,000	120" x 48"
5-Axis, High-Speed, Small	CMV #1	CMV 50/5	5 Axis	Aluminum	16,000	39" x 35"
	CMV #2	CMV 50/5	5 Axis	Aluminum	16,000	39" x 35"
5-Axis, Hard Metal	Cincinnati #1	Cincinnati 20V-80	5 Axis	Aluminum/Hard Metal	4,000	80" x 30"
	Cincinnati #2-1	Cincinnati 20V-120	5 Axis	Aluminum/Hard Metal	4,000	120" x 30"
	Cincinnati #2-2	Cincinnati 20V-120	5 Axis	Aluminum/Hard Metal	4,000	120" x 30"
4-Axis, High Speed	Fadal	Fadal HT	4 Axis	Aluminum	10,000	80" x 30"
3-Axis, Large	Kao-Ming #4	KMC-1800	3 Axis	Aluminum/Hard Metal	3,500	80" x 33.5"
	Kao-Ming #5	KMC-3000SD-B	3 Axis	Aluminum/Hard Metal	5,000	127" x 63"
	Kao-Ming #6	KMC-4000SD-E	3 Axis	Aluminum/Hard Metal	5,000	166.5" x 90.6"
Tracer (24" Centers)	Wilson	798 6-Spindle	3 Axis	Aluminum/Hard Metal	350	169" x 78"
NC Lathe	Femco	HL-35 Lathe	2 Axis	Aluminum/Soft Metal	4,000	23.5" x 14"
Quality Equipment						
Coordinate Measuring Machines	Zeiss	Zeiss MMZ-E 2000	-----	-----	-----	157" x 78"
	Mitutoyo	Mitutoyo B251	-----	-----	-----	60" x 28"