

Equipment List

CNC Vertical Machining Centers

HAAS VF-6 SS

Maximum Tooling Area (Inches)	X Axis	Y Axis	Z Axis
	60	32	24
Table Size (Inches)	Length	64	
	Width	30	
Number of Tools	24		
Spindle Speed Range (RPM)	0 – 12,000		
Taper	40		
Comments:	Operate with 4 th axis capabilities; Machines on site: 2		

HAAS VF-4 SS

Maximum Tooling Area (Inches)	X Axis	Y Axis	Z Axis
	50	20	20
Table Size (Inches)	Length	52	
	Width	20	
Number of Tools	24		
Spindle Speed Range (RPM)	0 – 12,000		
Taper	40		
Comments:	Operate with 4 th axis capabilities; Machines on site: 4		

HAAS TM-2

Maximum Tooling Area (Inches)	X Axis	Y Axis	Z Axis
	40	15	12
Table Size (Inches)	Length	48	
	Width	16	
Number of Tools	20		
Spindle Speed Range (RPM)	0 – 4,000		
Taper	40		
Comments:	NA		

KIRA VTC 30

Maximum Tooling Area (Inches)	X Axis	Y Axis	Z Axis
	15.7	9.8	8
Table Size (Inches)	Length	19.7	
	Width	12.6	
Number of Tools	10 BT		
Spindle Speed Range (RPM)	200 – 8,000		
Taper	30		
Comments:	NA		

CNC Gantry Router			
HAAS GR510			
Table Size (Inches)	X Axis	Y Axis	Z Axis
	120	60	24
Number of Tools	20		
Maximum Spindle Speed (RPM)	8,100		
HP	15		
Comments:	Operates with a vacuum table and a single head		
HAAS GR512			
Table Size (Inches)	X Axis	Y Axis	Z Axis
	144	60	24
Number of Tools	20		
Maximum Spindle Speed (RPM)	10,000		
HP	15		
Comments:	Operates with a single head		
HAAS GR712			
Table Size (Inches)	X Axis	Y Axis	Z Axis
	144	84	24
Number of Tools	20		
Maximum Spindle Speed (RPM)	8,100		
HP	15		
Comments:	Operates with a single head, Machines on site: 2		
HAAS GR712			
Table Size (Inches)	X Axis	Y Axis	Z Axis
	144	84	12
Number of Tools	20		
Maximum Spindle Speed (RPM)	10,000		
HP	15		
Comments:	Operates with a single head		
HAAS GM-2			
Table Size (Inches)	X Axis	Y Axis	Z Axis
	144	84	24
Number of Tools	30		
Maximum Spindle Speed (RPM)	10,000		
HP	30		
Comments:	Operates with a single head- dual ball screw and heavy duty bearings		

CNC Turning Centers	
Haas TL-2	
Maximum Machining Diameter (Inches)	16
Chuck Diameter (Inches)	8
Max Machining Length (Inches)	48
Comments:	NA
Haas ST 35Y	
Maximum Machining Diameter (Inches)	18
Chuck Diameter (Inches)	12
Maximum Machining Length (Inches)	24
Comments:	Operates with a bar feeder and integrated Y-axis; Machines on site: 2
Haas SL30	
Maximum Machining Diameter (Inches)	14
Standard Machining Diameter (Inches)	10
Chuck Diameter (Inches)	10
Maximum Machining Length (Inches)	22
Number of Tools	12
Maximum Spindle Speed (RPM)	3,500
Comments:	Operates with Haas Fanuc Style Control
MAZAK Quick Turn Smart 200M	
Maximum Machining Diameter (Inches)	14
Standard Machining Diameter (Inches)	10.87
Chuck Diameter (Inches)	8
Maximum Machining Length (Inches)	18
Number of Tools	12
Maximum Spindle Speed (RPM)	4,000
Comments:	Operates with Smart Control
Okuma Cadet 1420/650BB	
Maximum Machining Diameter (Inches)	14.17
Standard Machining Diameter (Inches)	13
Chuck Diameter (Inches)	15 (KITAGAWA)
Maximum Machining Length (Inches)	24
Number of Tools	12
Maximum Spindle Speed (RPM)	3,000
Comments:	Operates with OSP 700L Control

CNC Panel Saws				
SCM Sigma Impact				
Thickness Tolerances (Inches)	Tolerance (+/-)	0.015	0.020	0.030
	Thickness Range	0 to 1.00	1.00 to 3.00	3.00 to 3.50
Table Size (Inches)	Length	168		
	Width	168		
Maximum Material Thickness (Inches)	3.5			
Comments:	NA			
Schelling FK8				
Thickness Tolerances (Inches)	Tolerance (+/-)	0.015	0.020	0.030
	Thickness Range	0 to 1.00	1.00 to 3.00	3.00 to 6.00
Table Size (Inches)	Length	120		
	Width	120		
Maximum Material Thickness (Inches)	6			
Comments:	NA			

CNC Horizontal Machining Center			
HAAS EC-1600YZT			
Table Size (Inches)	X Axis	Y Axis	Z Axis
	64	50	40
Number of Tools	50		
Maximum Spindle Speed (RPM)	6,000		
HP	30		
Comments:	Operates with full 4th axis		