

Equipment Overview

Capable of precision machining tolerances of **+/- .0001" (.003 mm)**

WORK CENTER	MAKE	MODEL	TRAVEL SIZE			THRU TOOL COOLANT	COOLANT PRESSURE	AXIS	MAX PART WEIGHT	PART PROBING	MAX PART SIZE
			X-AXIS	Y-AXIS	Z-AXIS						
VMC	Haas	VF5	50.0"	26.0"	25.1"	X	1,000 psi	4-Axis	4,000 lbs	X	50" x 26" x 21"
	Haas	VF5 XT	60"	26"	25"	X	1,000 psi	4-Axis	4,000 lbs	X	60" x 26" x 21"
	Haas	VF8	64.0"	40.0"	30.0"	X	1,000 psi	4-Axis	4,000 lbs	X	64" x 40" x 38"
HMC	Mori Seiki	NH8000	55.12"	47.24"	53.15"	X	1,000 psi	4-Axis	4,840 lbs	X	57.1" diameter x 57.1" high
MILL-TURN	Okuma	VTM-2000YB	62.99"	62.99"	55.12"	X	1,000 psi	5-Axis	22,000 lbs	X	94.5" diameter x 48.0" high
	Mori Seiki	NT4300	(X1) 29.53" (X2) 7.68"	16.54"	(Z1) 64.96" (Z2) 60.04"	X	1,000 psi	5-Axis (x2)	300 lbs (per chuck)	X	28.7" diameter x 59.0" long
LATHES	Okuma	L470-1250	11.81"		50.2"		Std.	2-Axis	450 lbs		24.38" diameter x 49.2" long
	*Okuma	LB4000EXII LM	11.81"		62.59"		Std.	3-Axis	1,322 lbs		26.38" diameter x 60.6" long
	*Okuma	LB4000EXII LM	11.81"		62.59"		Std.	3-Axis	1,322 lbs		26.38" diameter x 60.6" long
	Puma	400	14.25"		43."		Std.	2-Axis	3,748 lbs		24.4" diameter x 49.2" long
	Puma	400LB	14.3"		84.8"		Std.	2-Axis	3,748 lbs		30.3" diameter x 86.0" long
	*Hyundai	L700LMA	19.7"		129.10"		Std.	3-Axis	7,914 lbs		41.3" diameter x 135.0" long
	*Hyundai	L700LMA	19.7"		129.10"		Std.	3-Axis	7,914 lbs		41.3" diameter x 135.0" long
VTL	*Hankook	VTC 160	75."		35."	X	Std.	3-Axis	22,100 lbs		78.7" diameter x 55.1" high
GRINDER	Toyoda	Select G	11.8"		50."		Std.	2-Axis	330 lbs	X	12.6" diameter x 50.0" long

*Live Milling

INSPECTION EQUIPMENT

BROWN & SHARPE GLOBAL PERFORMANCE CMM

- + 12-15-10 (47.25" W x 59" L x 39 3/8" H) Measurement Capacity
- + PH10MQ Motorized Probe Head
- + SP25M Scanning Probe
- + PCDMIS CAD++ Software

ROMER INFINITE 2.0 8' ARM (PORTABLE CMM)

- + 8' Measuring Range
- + .0008" Point Repeatability
- + .0011" Volume Length Accuracy
- + PC-DMIS

OGP QL-20 CONTOUR PROJECTOR (COMPARATOR)

- + 18" x 9" Measuring Range; 550 lb Load Capacity
- + 8 - 3/8" Working Distance
- + .00005" Glass Scale Resolution
- + 10x, 20x, 50x, 100x Magnification
- + Automatic Edge Detection

WELDING CAPABILITIES

WELDING/ FABRICATION PROCESSES

- + GTAW and GTAW Pulse
- + SMAW
- + GMAW Includes Short Circuit, Spray, & Pulse
- + FCAW
- + Oxy Acetylene Cutting
- + Carbon Arc Gouging

WELDING EQUIPMENT

- + Lincoln 455M/STT With Dual 10M Feeder (AC/DC)
- + (2) Miller Syncrowave 250 DX (AC/DC)
- + (2) Lincoln Ideal Arc R3R500 (DC)
- + Miller Trailer Blazer 301G (Portable AC/DC)
- + 6,000 lb Lift Tables
- + MBC BP2 Positioner. 200 lb Capacity
- + Pandjiris 30AB Positioner - 3,000 lb Capacity / 6,000 lb With Outboard Stand
- + Donaldson Torit Exhaust Filter System

WELDING CODE CERTIFICATIONS

- + API, AWS, DNV, ABS, ASME B31.3, EN ISO 15614-1
- + Metal Types: Carbon / Alloy Steels, Stainless Steels, Nickel Steels & Aluminum