



ALPHA PRECISION

A DIVISION OF LAFARGE + EGGE

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Alpha Precision Machining is a contract manufacturing and assembly machine shop specializing in close-tolerance precision machining for aerospace, medical, military, industrial, and communication applications. It is Alpha Precision's objective to provide world-class quality products through continual improvement in all aspects of the operation. If you have additional questions, we encourage you to contact us.

ALPHA PRECISION QMS

AS9100 C/ISO 9001
ITAR DDTTC Approved

MACHINING DIVISION: PRIMARY SERVICES & EQUIPMENT LIST

PRIMARY EQUIPMENT	TOOLS	TRAVEL	PALLET	# AXIS	RPM
HCN-6800 Mazak HMC Cell	240	41.5"x35.5"x42.5"	Robotic 12 Station	4	10,000
HCN-6800 Mazak HMC	120	41.5"x35.5"x42.5"	Mult. Pallet/FMS Prep	4	10,000
FH-5800 Mazak FMS HMC	240	28.5" x 24"	Mult. Pallet/FMS Prep	4	25,000
1000V-DC Matsuura	62	61" x 22"	Twin Spindle	4	4500
BM1200 Toyoda MC	30	47" x 23"	NA	4	4500
760VX Matsuura	31	30" x 18"	NA	4	6000
RA-1F Matsuura TP	21	20" x 16"	NA	3	15000
SECONDARY PRODUCTION EQUIPMENT	TOOLS	TRAVEL			
Kondia Knee Mill x2	Glass Scale/Digital Readouts	42" x 16"			
Engine Lathe		14" Swing x 40"			
Engine Lathe		8" Swing x 20"			
Surface Grinder		18" x 8"			
Surface Grinder		12" x 6"			
ANCA RGX 5 Axis Tool Grinding Machine	Max Tool DIA: 9.8"; Max Length 6"	15" x 15.4" x 15.4" +	NA	5	20,000
INSPECTION EQUIPMENT & SOFTWARE					
Mitutoyo CNC CMM					
Bright Apex 916 36" X 63" X 24"					
Renishaw PH10T Touch Probe with 12 Station Auto Changer					
Resolution .00002" ANSI B89.1.12M					
Rockwell Hardness Tester					
SolidWorks, Surfcam					
Fusion ERP (SQL)					
ALPHA PRECISION SERVICES					
Design for Manufacturability					
Machining Offload to applicable systems/ standards (AS9100, ISO9001, BAC, RPS, etc.)					
Turkney Build to Print Manufacturing					
Machining solutions for problem parts					