

Company: _____ Contact: _____

CUSTOM MACHINE WORKSHEET

Project: _____

MECHANICAL	X-axis	Y-axis	Z-axis	Ø-axis	notes
Manual/Motorized					
Travel					
Load (horz/vert)					
Resolution					
Positional accuracy					
Repeatability					
Mechanical accuracy					
Deflection under load					
Move distance(s)					
Move time(s)					
Maximum speed/accel					
Duty cycle/Life					
Bellows					
Yaw, pitch and roll					
Brakes, dampers...					
Environmental					
Reduction ratio					
Motor torque required					
Motor shaft speed					
Inertia ratio					

Mounting considerations (sketch)

DRIVES & CONTROLS (describe)

Must do:

Should do:

Optional:

<p>CONSIDER THESE:</p> <ul style="list-style-type: none"> • operator interface • interface type (PC, PLC...) • programming (who, how) • program storage (EEPROM...) • I/O requirements • feedback (inc, abs, analog...) • initial setup procedures • teach mode • jog/joystick mode • scaling (user units) • homing, limits • flexibility • expandability • delivery • input voltage • power loss • UL/CSA/CE/NEMA 	
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INTEGRATION & MACHINE PARAMETERS

	Qty	Notes
FRAME structural framework stainless paint isolation pads maximum machine dimensions machine guarding		
MECHANICAL FIXTURING fabricated components commercial components additional (customer supplied)		
PNEUMATICS solenoid valves filters, regulators, lubricators fittings, hose		
ELECTRICAL HARDWARE panel/enclosure wiring components 5V/ 24V control circuit I/O modules, relays isolation transformer circuit breakers terminal blocks disconnects switches (E-stop, Run...) counters/timers sensors		
CONTROL COMPONENTS PLC's PC's operator interfaces motion controls, amplifiers, motors		
CONTROL SOFTWARE motion programming menu/interface software data acquisition		
TRAINING		
INSTALLATION personnel qualifications desired operational date		