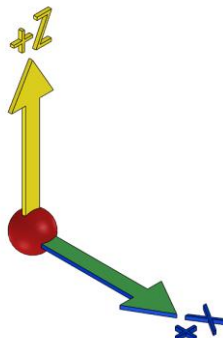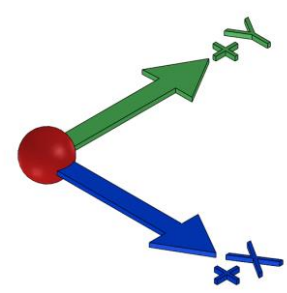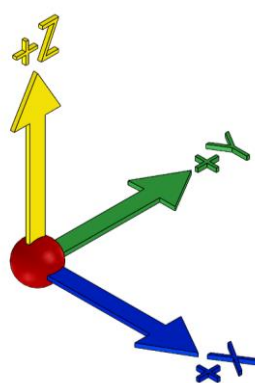# BISHOP WISECARVER

Linear Actuators - Multi-Axis Systems
Application Datasheet

Please include as much information as possible to assist with and speed up the specification process.

Contact Information	
Company:	
Address:	
Contact:	
Phone:	
E-mail:	

Application Information (Additional area for notes on pg. 4)	
Description: What is the application doing?	

Directional Requirements: (Select One)

2-Axis Motion	2-Axis Motion	3-Axis Motion
Vertical Z-Axis Motion Horizontal X-Axis Motion	Horizontal X-Axis Motion Horizontal Y-Axis Motion	Vertical Z-Axis Motion Horizontal X-Axis Motion Horizontal Y-Axis Motion

Application Information (Continued)	Z-Axis	X-Axis	Y-Axis
Payload: (kg, lbs)			
Stroke: (mm, in)			
Accuracy & Repeatability: (mm/m, in/ft), (+/- mm, in)			
Speed: (m/s, in/s)			
Acceleration: (m/s², in/s²)			
Deceleration: (m/s², in/s²)			
Duty Cycle: (Cycles per day)			
Required Life: (Years)			
Track Lubrication Allowable?: (yes/no)			
Environment: (Debris, Clean-room, Washdown, etc.)			
Temperature & Humidity: (°C, °F)			
Method of Driving: Belt, Chain, Ball Screw, Leadscrew, Rack & Pinion, Manually Positioned			

Motion Profile:
Describe move-by-move system motion requirements. Use worst case scenario to ensure system is designed with respect to its maximum demand.

Example:
Position 1: Z-Axis – Zero position down to product (-500mm stroke, 1.5s)
Position 2: Z-Axis – Clamp/Pickup product (+5kg)
Position 3: Z-Axis – Return to zero position (+500mm stroke, 1.5s)
…Etc.

Controls & Electronics Information	
Brand Preference: Applied Motion Products, Sanyo Denki, Other (Specify)	
Power Available: 24VDC, 48VDC, 110VAC, 220VAC	
Communication Protocol: Indexer, Modbus, CAN open, Other (Specify)	

Z-AXIS - Gearbox & Motor Requirements					
(Select as required, note when gearbox provided, no motor mount is required)					
Motor Mount:	Motor Make:			Motor Model:	
Gearbox:	Specify Ratio:			Engineering to provide ratio	
Motor:	Type:	Stepper	Servo	Other:	
Controls/Drive:	If checked, please complete the "Controls & Electronics" portion below.				

X-AXIS - Gearbox & Motor Requirements					
(Select as required, note when gearbox provided, no motor mount is required)					
Motor Mount:	Motor Make:			Motor Model:	
Gearbox:	Specify Ratio:			Engineering to provide ratio	
Motor:	Type:	Stepper	Servo	Other:	
Controls/Drive:	If checked, please complete the "Controls & Electronics" portion below.				

Y-AXIS - Gearbox & Motor Requirements					
(Select as required, note when gearbox provided, no motor mount is required)					
Motor Mount:	Motor Make:			Motor Model:	
Gearbox:	Specify Ratio:			Engineering to provide ratio	
Motor:	Type:	Stepper	Servo	Other:	
Controls/Drive:	If checked, please complete the "Controls & Electronics" portion below.				

Project Planning Information	
Project Timeline: When is product required on-site?	
Budget: What is your project budget?	
Quantity: How many are required for your project?	

Notes/Comments: Use this area to add additional clarifying comments and notes.