Load, max	F _X [N]	F _y [N]	F _Z [N]	M _X [N·m]	M _y [N·m]	M _Z [N·m]	k _{αχ} [μrad/N·m]	k _{αy} [μrad/N·m]		
SM-001	15	15	20	0.75	4	4	80	80		
								F _z		

The PG-50 gonio stage performs best in limited space applications due to its compact design. High stiffness motion is achieved through pre-loaded crossed-roller bearings and a precision worm drive. These stages may be mounted in an orthogonal, space-saving arrangement to achieve pitch and roll adjustment. Versions capable of operation in vacuum (10⁻⁶) are available. The PG-50 is compatible with the MMC-200 controller.

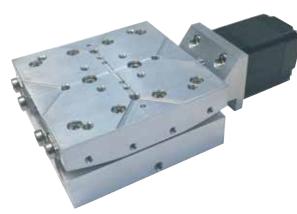
KEY FEATURES

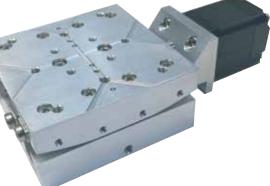
- Smooth, continuous ± 5° motion
- 0.001° encoder resolution
- Load capacity up to 2 kg
- Crossed roller bearings
- Low profile, 22 mm height
- Vacuum versions available
- Center of rotations are available on request

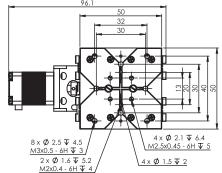
TECHNICAL DATA

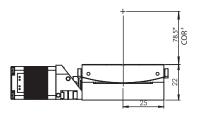
TECHNICAL DATA									
Travel range about center of rotation [°]	± 5								
Rotational Center Accuracy [mm]		< 0.1							
Wobble (Bearings) [μrad]	± 120								
Weight [g]	70								
Motor option	Stepper Motor (2 phase)								
Speed, max [°/s]	5								
Encoder option	None (open loop)	Analog (1 Vpp)	Digital (RS-422)						
Resolution, typical [m°]	1	1	1						
Repeatability, bi-directional [mº]	± 10	± 2	± 2						
Repeatability, uni-directional[mº]	10	2	2						
Materials	aluminum body, steel bearing (other materials i.e. stainless steel, titanium, etc. available upon request)								

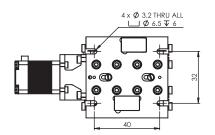
ORDERING INFORMA	TION PG-50-	\lceil	2	1			
DRIVE	Stepper Motor, SM-001		<u>-</u>	- 			
TRAVEL	± 5°						
ENCODER	None Analog (1 Vpp) Digital (RS-422)	0					
LIMIT SWITCH	None		_				
ENVIRONMENT	Atmospheric High Vacuum, 10 ⁻⁶ mbar						

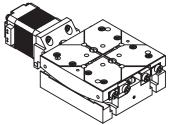












- * all dimensions are in millimeters
- * Additional center of rotations are available