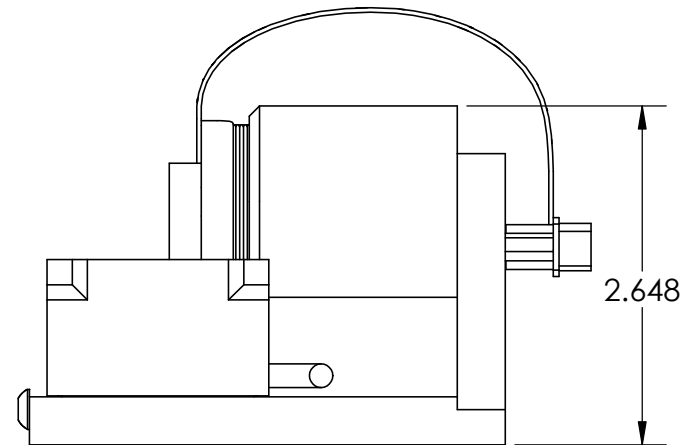
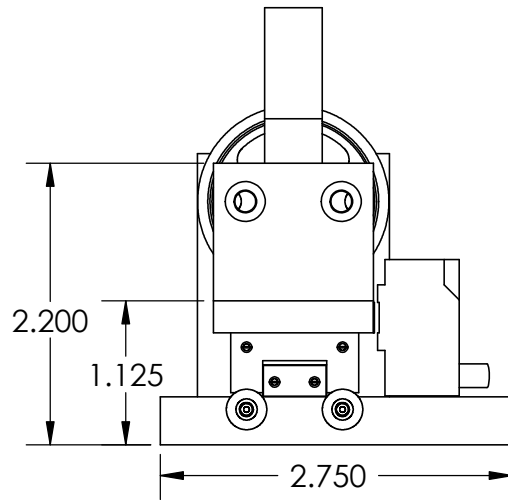
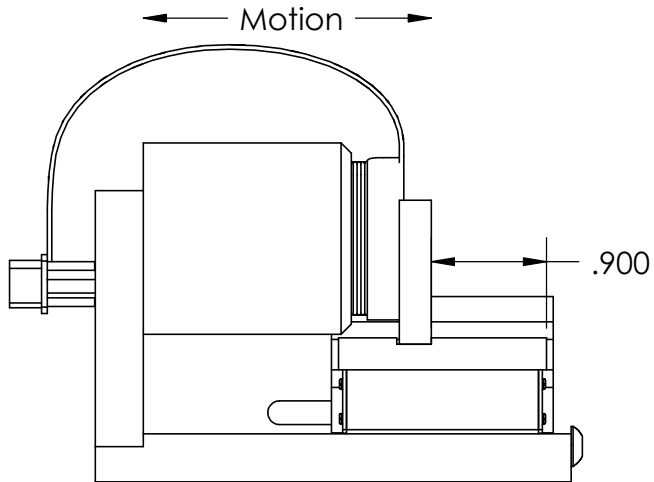
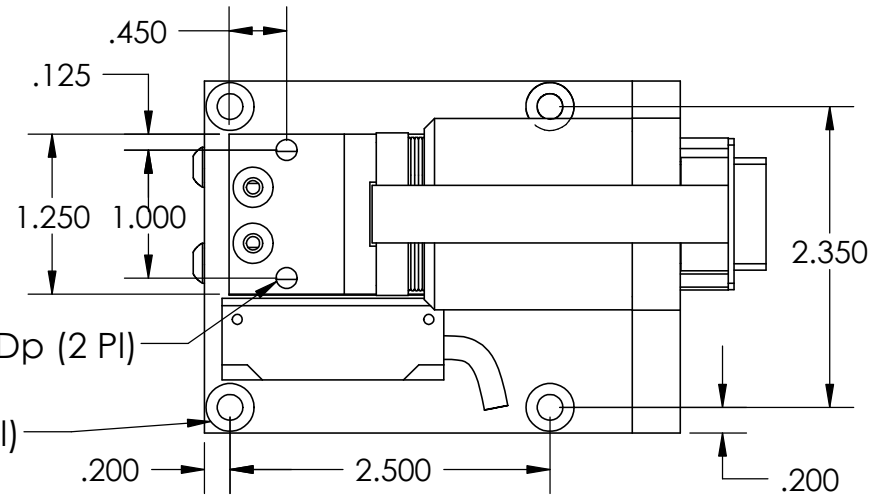


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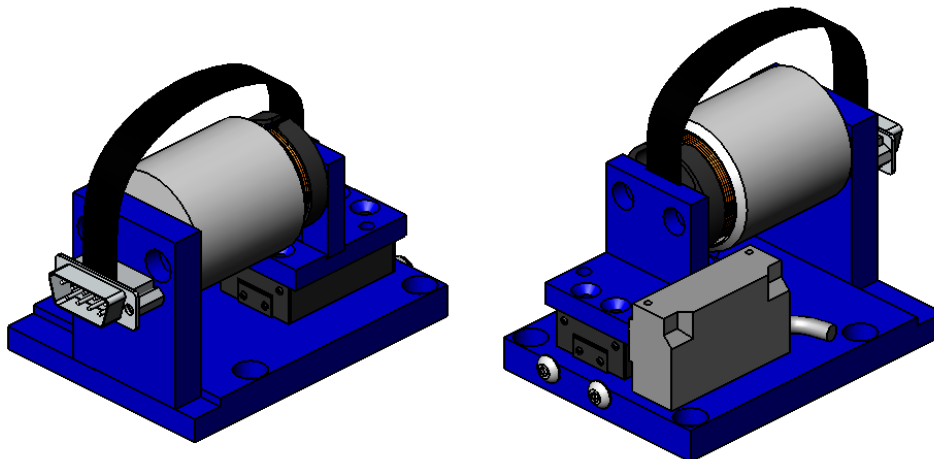
26470 Ruether Ave #102 Santa Clarita, CA 91350 USA  
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www.h2wtech.com

UNLESS SPECIFIED OTHERWISE:  
All dimensions are in inches  
Standard Tolerances are as follows  
.XXX ±.005 ANGLES ±1°  
.XX ±.010 FILLETS .010  
X ±.020 CORNERS .010  
Remove All Burrs and Sharp Edges

MATERIAL			
FINISH			
DRAWN	DATE	APPROVED	DATE
OOG	9-17-09	MPW	9-17-09

TITLE		
Voice Coil Positioning Stage Model#: VCS03-050-CR-0005-MC		
DWG #	REV	SHEET
31-0175	---	1 of 1

VOICE COIL POSITIONING STAGE SPECIFICATIONS		
Motor P/N	NCC03-15-050-2X	
Stroke	0.25"	6.4 mm
Encoder Resolution	0.05 micron	
Bearing Type	Crossed Roller	
Moving Mass	0.27 lbs	122.1 grams
Total Mass	1.41 lbs	640 grams
Resistance @ 20C	3.75 ohms	
Inductance @ 20C	1.30 mH	
Electrical Time Constant	0.35 msec	
Motor Constant	1.38 LBS/SQRT(Watt)	6.14 N/SQRT(Watt)
Force Constant	2.7 LBS/Amp	11.9 N/Amp
Back EMF	0.3 V/ips	11.9 V/m/sec
Continuous Force	5.0 LBS	22.3 N
Max Power @ 100% Duty	13 Watts	
Peak Force	15.0 LBS	66.8 N
Max Power @ 10% Duty	118 Watts	



TITLE		
Voice Coil Positioning Stage		
Model#: VCS03-050-CR-0005-MC		
DWG #	REV	SHEET
31-0175	---	2 of 2