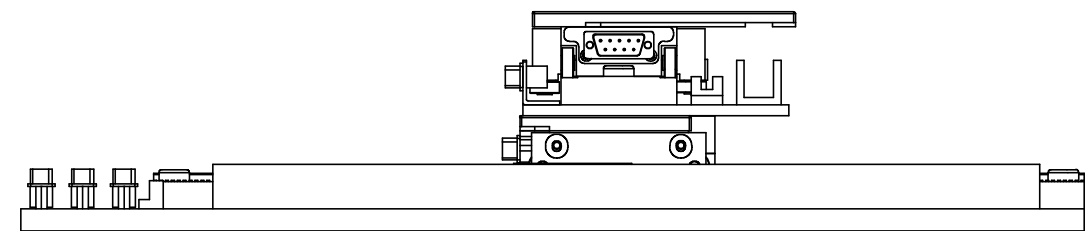
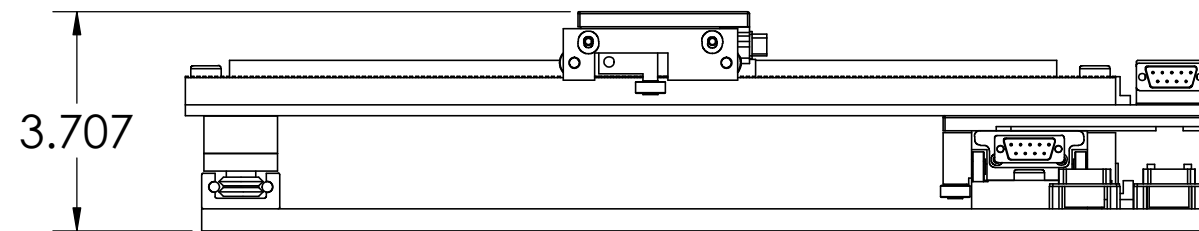
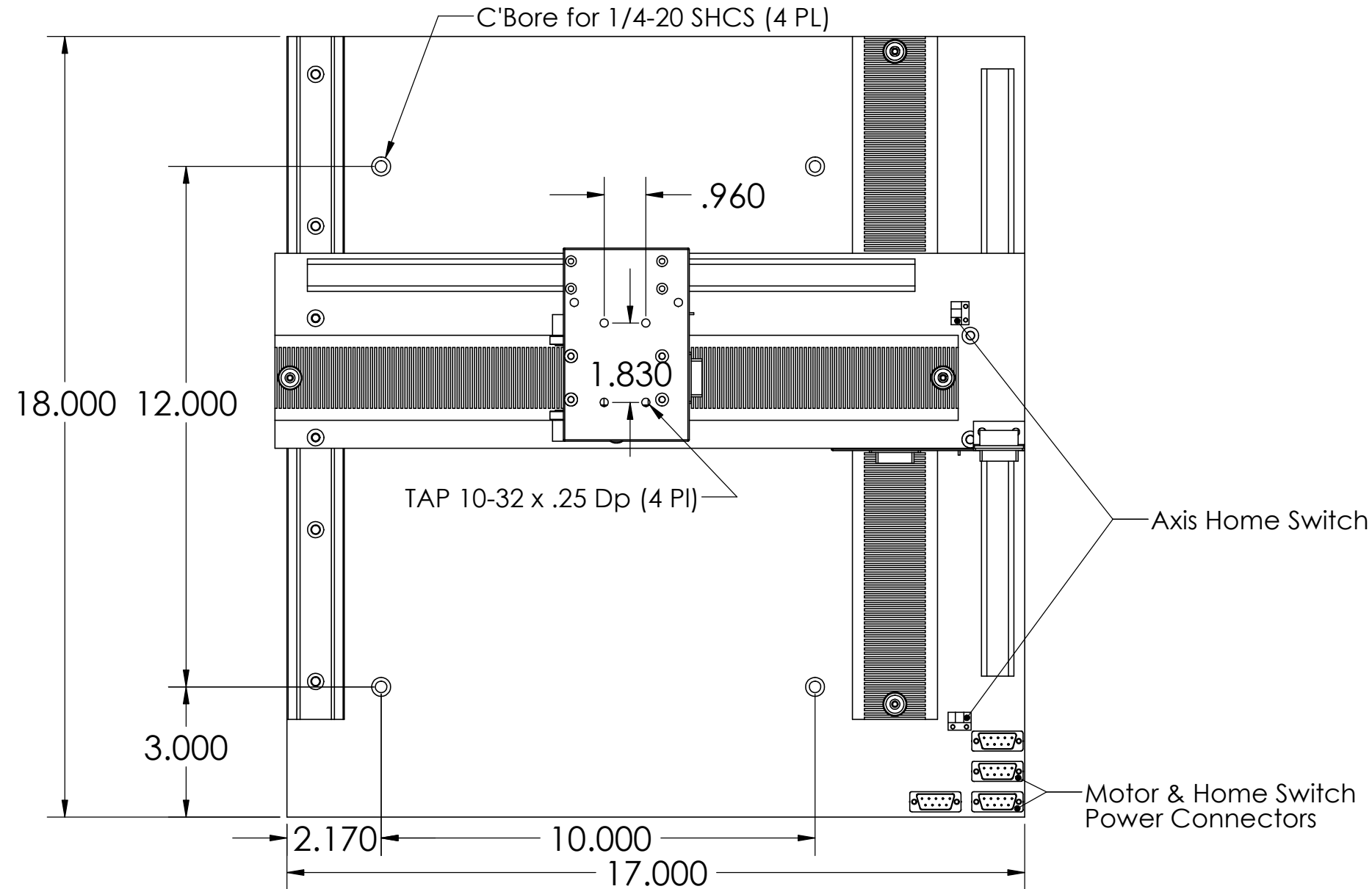


These drawings and specifications are the property of H2W Technologies, Inc. They are issued in confidence and shall not be reproduced, copied, or used without written permission from H2W Technologies, Inc.



All Axis Shown at Mid-Stroke

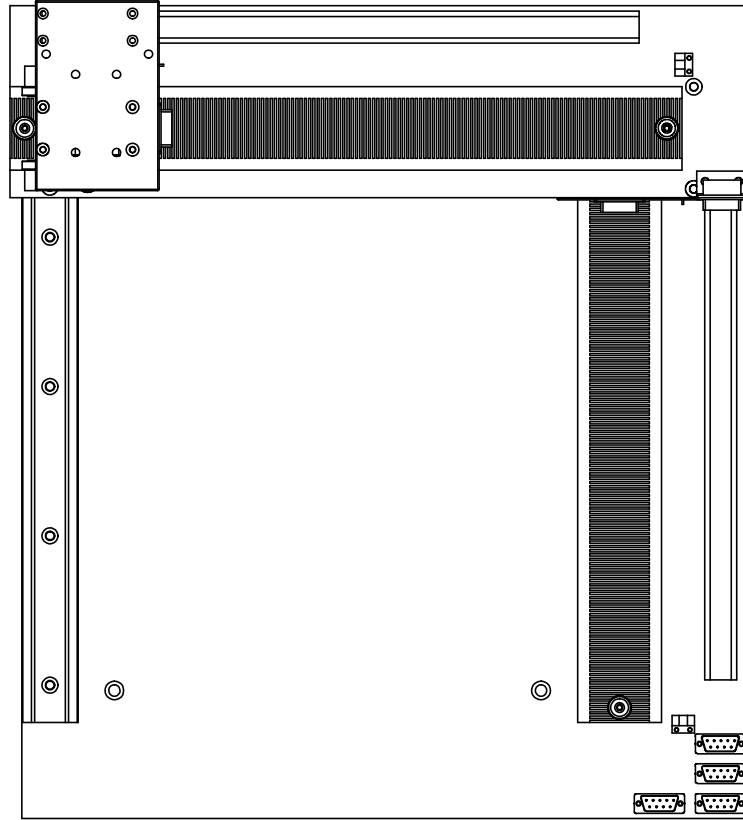
H2W Technologies, Inc.
 26470 Ruether Ave #102 Santa Clarita, CA 91350 USA
 Tel: (661) 251-2081 Fax: (661) 251-2067
 www.h2wtech.com

Linear Stepper Positioning Stage
Model #: LSS-012-12-060-XY-1A

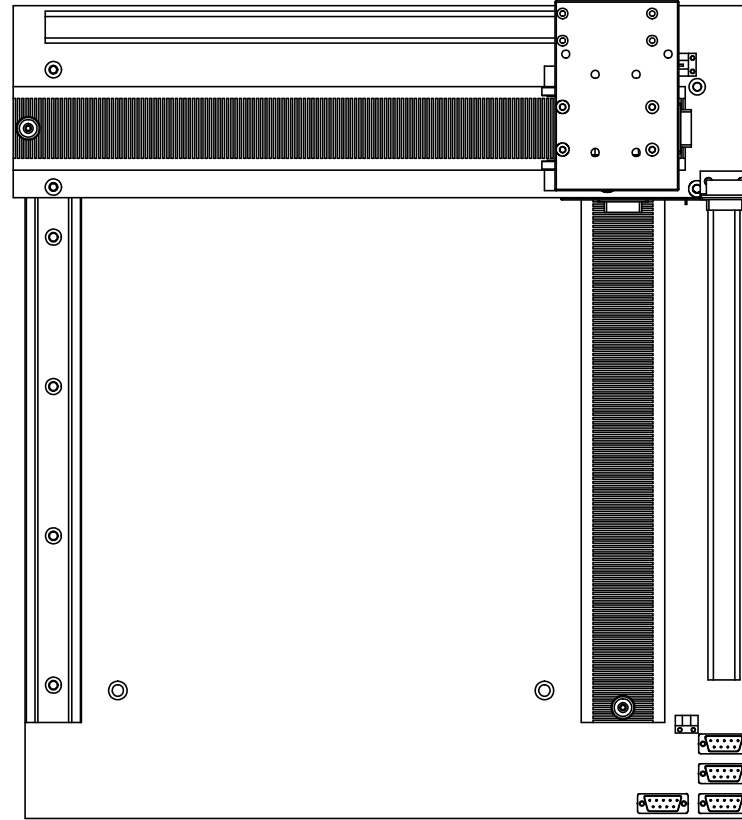
UNLESS SPECIFIED OTHERWISE: All dimensions are in inches Standard Tolerances are as follows .XXX ±.005 ANGLES ±1° .XX ±.010 FILLETS AND .X ±.020 CORNERS .010 Remove All Burrs and Sharp Edges		MATERIAL		TITLE	
FINISH		DRAWN		DWG #	
DATE		APPROVED		REV	
OOG	11-18-10	MPW	11-18-10	10-0472	B
					SHEET
					1 of 3

These drawings and specifications are the property of H2W Technologies, Inc. They are issued in confidence and shall not be reproduced, copied, or used without written permission from H2W Technologies, Inc.

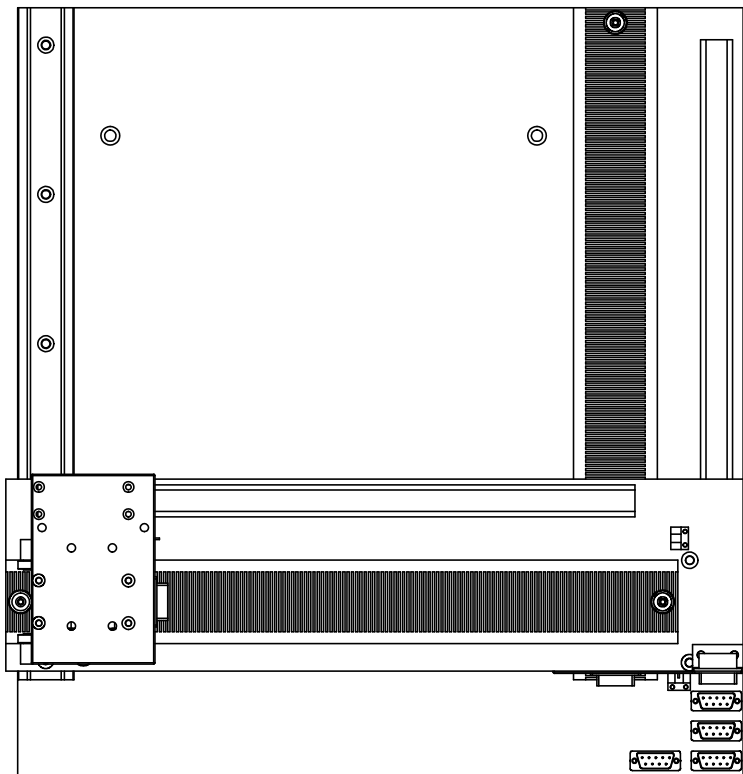
Position 1



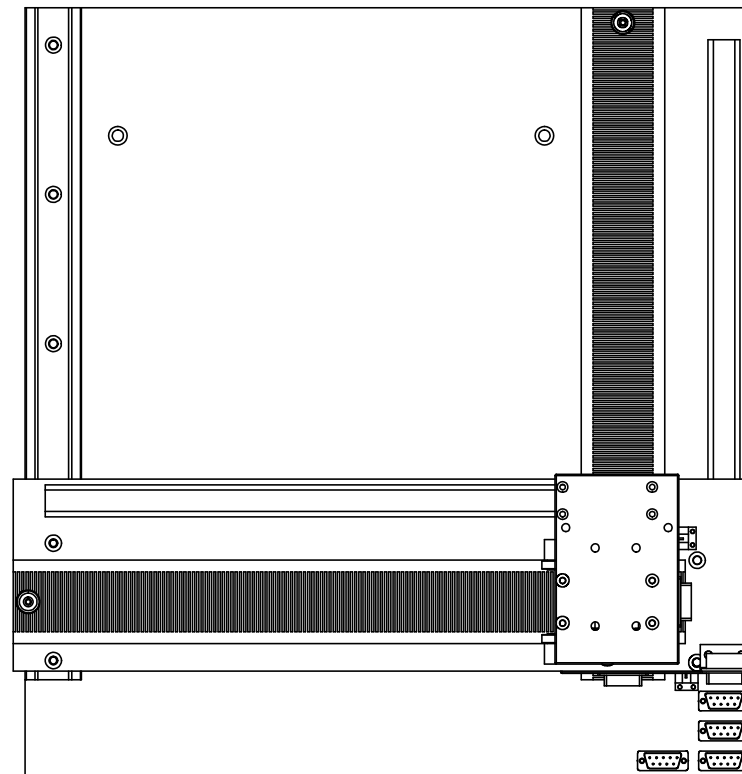
Position 2



Position 4

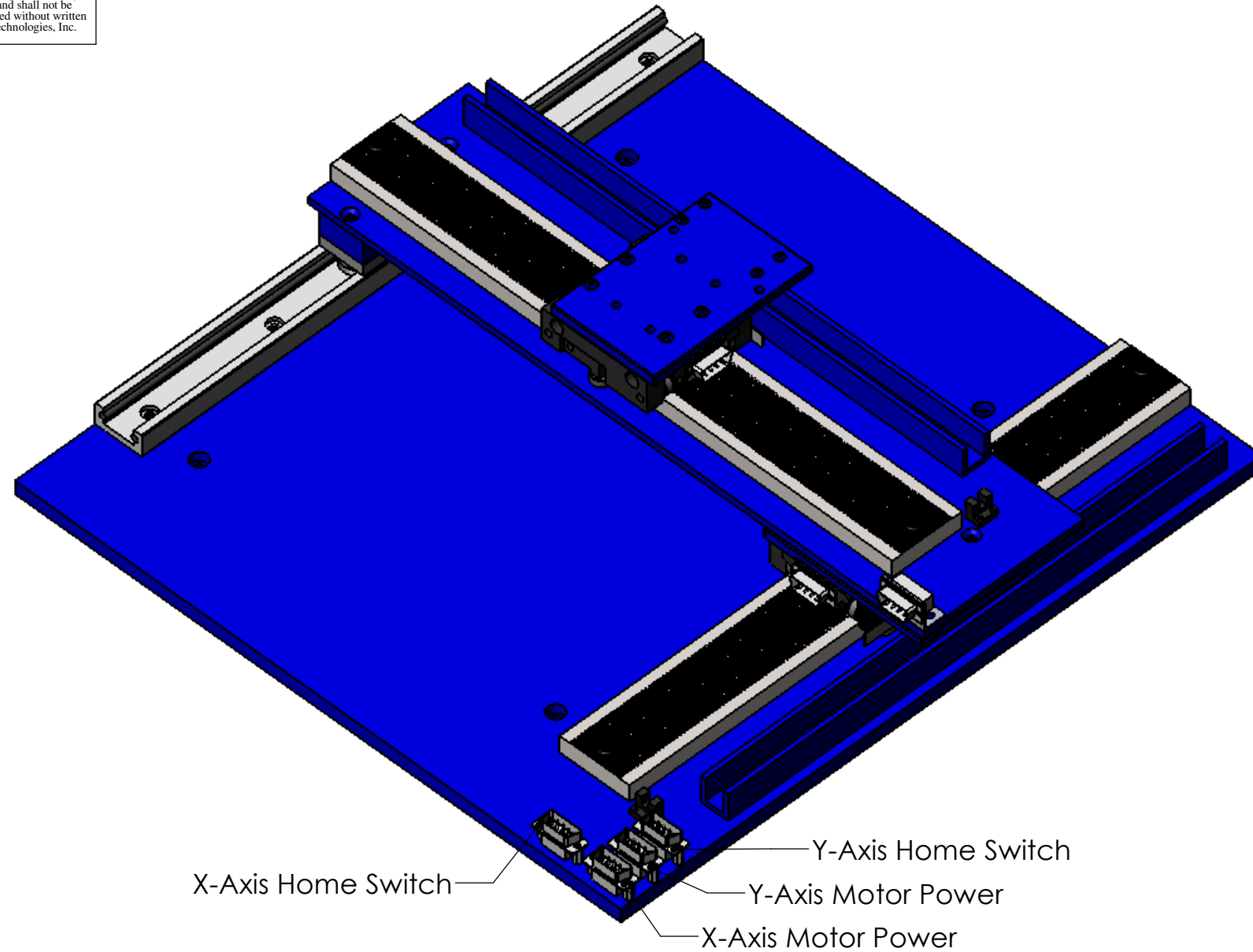


Position 3



TITLE	Linear Stepper Positioning Stage Model #: LSS-012-12-060-XY		
DWG #	10-0472	REV	B
SHEET			2 of 3

These drawings and specifications are the property of H2W Technologies, Inc. They are issued in confidence and shall not be reproduced, copied, or used without written permission from H2W Technologies, Inc.



X-Axis Motor		Y-Axis Motor		X & Y Axis Home Switch	
Pin	Function	Pin	Function	Pin	Function
1	Phase A+	1	Motor Ground	1	Not Connected
2	Not Connected	2	Not Connected	2	Not Connected
3	Phase B+	3	Phase B+	3	Not Connected
4	Not Connected	4	Not Connected	4	Not Connected
5	Motor Ground	5	Phase A+	5	Not Connected
6	Not Connected	6	Phase B-	6	+5-24 VDC
7	Phase A-	7	Not Connected	7	Ground
8	Not Connected	8	Phase A-	8	Dark ON
9	Phase B-	9	Not Connected	9	Light ON

LINEAR STEPPER STAGE SPECIFICATIONS (Top Axis)		
Motor P/N	STS-0620-R	
Continuous Force	6.0 lbs	26.7 N
Stroke	12.25 in	311 mm
Encoder Resolution	NONE	
Rated Current	2.0 Amp	
Resistance/Phase @ 20C	2.40 ohms	
Inductance/Phase @ 20C	3.0 mH	
Motor Phases	2	
Bearing Type	Roller Bearing	
Nominal Airgap	0.0015"	
Moving Mass	0.85 lbs	385 g
Totas Mass	6.6 lbs	2986 g

LINEAR STEPPER STAGE SPECIFICATIONS (Bottom Axis)		
Motor P/N	STS-0620-R	
Continuous Force	6.0 lbs	26.7 N
Stroke	12.25 in	311 mm
Encoder Resolution	NONE	
Rated Current	2.0 Amp	
Resistance/Phase @ 20C	2.40 ohms	
Inductance/Phase @ 20C	3.0 mH	
Motor Phases	2	
Bearing Type	Roller Bearing	
Nominal Airgap	0.0015"	
Moving Mass	0.85 lbs	385 g
Totas Mass	17 lbs	7692 g

NOTE:
 - Electrical specs & masses are per individual axis
 - Total stage weight = 24 lbs (10.85 kg)