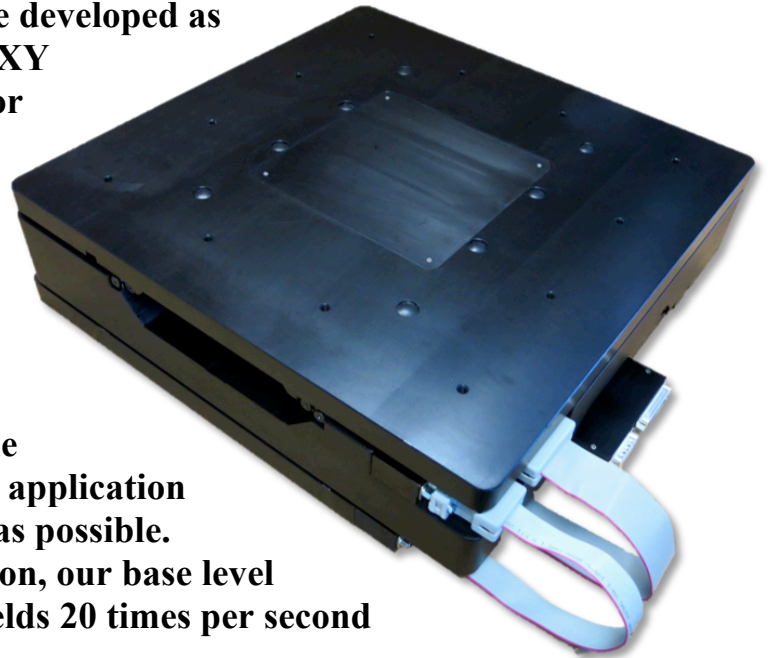
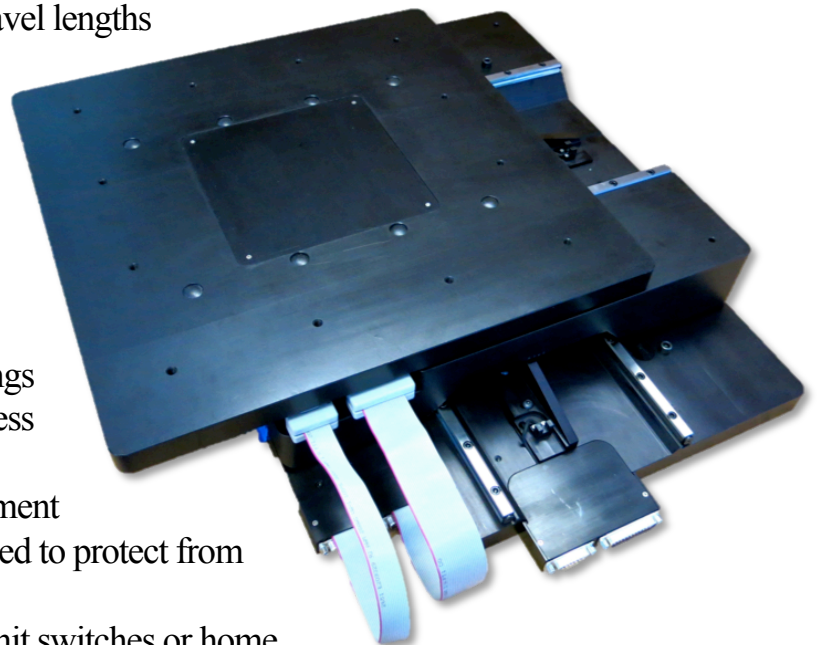


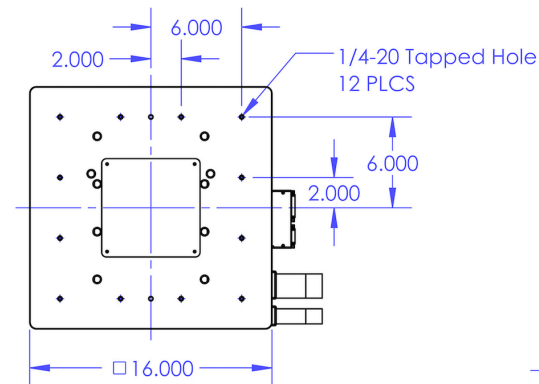
**Our 1304 series of linear motor tables were developed as an evolution of our 1199 series low profile XY tables. It boasts the same high standards for linear accuracy (<0.0005") and orthogonality (<9 arc seconds) as our standard XY's, but it also has impressive stats for acceleration, speed, and encoder positional accuracy (down to 0.1 μm). These systems are typically used in high-speed production systems where low cycle time and ultra precision accuracy are of the highest importance. As an example, say an application required spot-welds 1/4" apart as quickly as possible. Accounting for acceleration and deceleration, our base level linear motor table would perform those welds 20 times per second with staggering accuracy.**



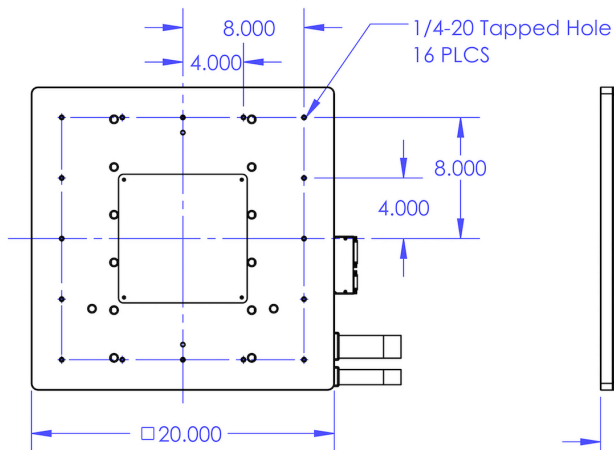
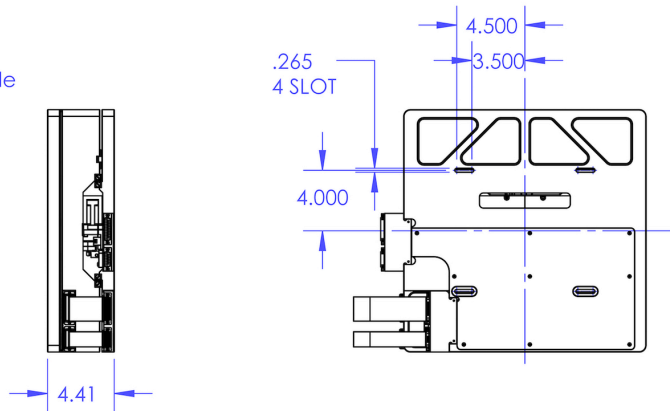
Features:

- Standard travel lengths of 8", 12", and 20"
- Custom options available for varying travel lengths up to 24"
- Position accuracy and repeatability capable of hitting down to 0.1um (0.000003937")
- High speed and acceleration
- Available as a single axis
- Low mass, low profile design
- Preloaded steel rail, crossed roller bearings maintain high linear accuracy and stiffness
- Orthogonality is closely monitored and machined in. It never goes out of adjustment
- Drive and switch mechanisms are covered to protect from dirt and contamination
- A total of 6 optical switches to use as limit switches or home switches. Switches include 5' Cable with Amphenol connector

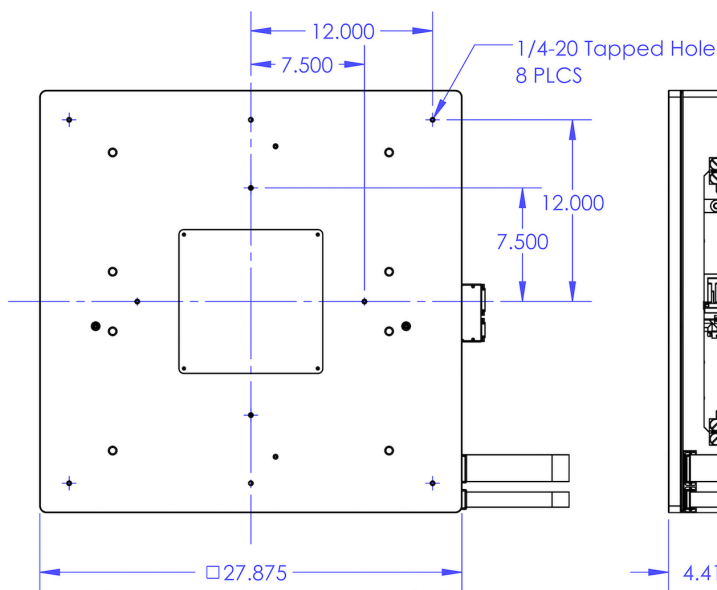
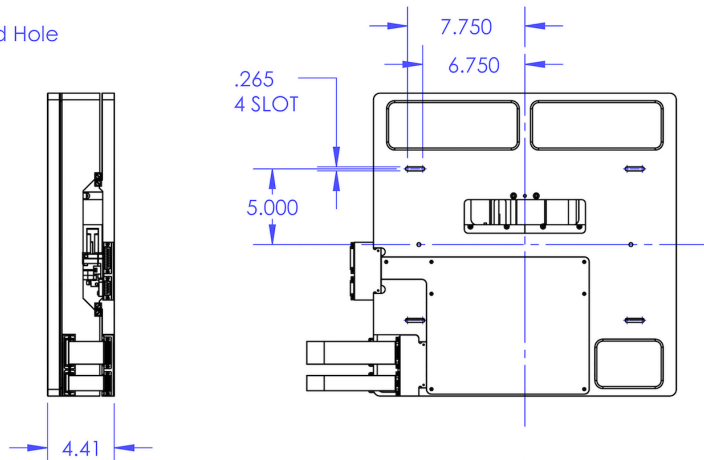




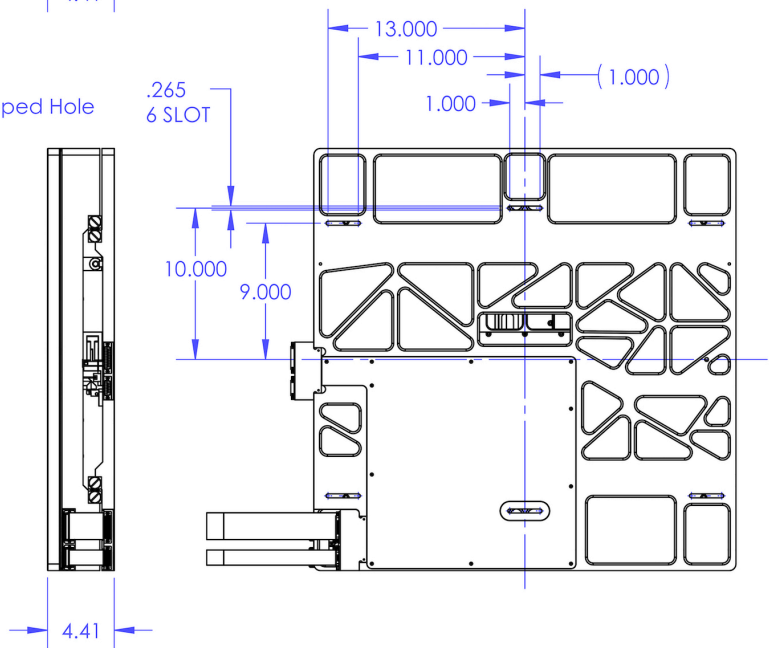
**8 x 8 LINEAR MOTOR TABLE**



**12 x 12 LINEAR MOTOR TABLE**



**20 x 20 LINEAR MOTOR TABLE**



# 1304 Series Linear Motor XY Slides

	<b>8x8 (200mm~)</b>	<b>12x12 (300mm~)</b>	<b>20x20 (500mm~)</b>
<b>Load Capacity (evenly distributed)</b>	500 lbs. (225kg~)		
<b>Accuracy and Repeatability*</b>	0.1um (0.000003937in)		
<b>Straightness</b>	< .0005" per 12in (.01mm per 300mm~)		
<b>Orthogonality (X to Y)</b>	< 9 arc seconds		
<b>Table Weight (approximate)</b>	68 lbs. (30.8kg)	93 lbs. (42.1kg)	200 lbs. (90.7kg)
<b>Moving Mass Top Axis (approximate)</b>	20 lbs. (9.1kg)	30 lbs. (13.6kg)	62 lbs. (28.1kg)
<b>Moving Mass Both Axis (approximate)</b>	51 lbs. (23.1kg)	68 lbs. (30.8kg)	149 lbs. (67.6kg)
<b>Maximum Speed*</b>	20 in/sec (500mm/sec~)		
<b>Maximum Acceleration 1xMotor* (No Load; Upper Axis)</b>	2.0g (10% Duty)	1.3 g (10% Duty)	0.63 g (10% Duty)
	0.7g (continuous)	0.5g (continuous)	0.25g (continuous)
<b>Maximum Force*</b>	39 lbs (17.7kg) (10% duty cycle)		
	13 lbs (5.9kg) (continuous)		

\*Listed Specs are dependent on customer provided electronics and tuning