Servos & Simulation, Inc.
HIGH TECHNOLOGY ENGINEERING
Taking simulation to reality and beyond...

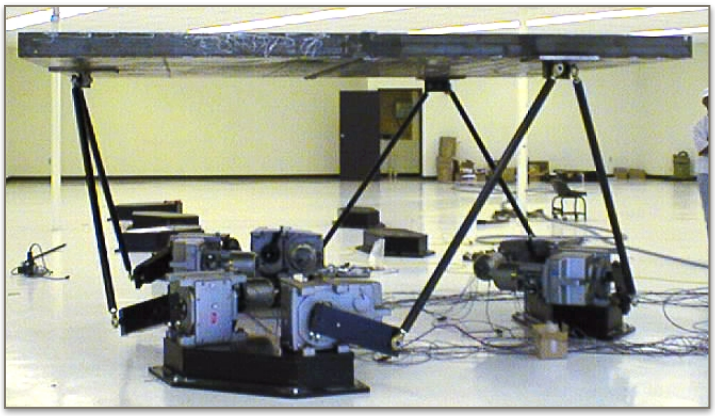
Motion Platform Technology - 710-6-4500

Our 710-6-4500 Six Axis Motion Platform encompasses a complete electric motion platform system which includes the motion base with the top (customizable), rack mount electrical chassis, cabling, and system manual. All systems include a one-year warranty and lifetime technical support. The included computer system comes with the necessary cabling, maintenance software, and OEM SDK for custom software. Performance is customizable!

All Six-Axis systems have Roll, Pitch, Yaw, Surge Sway, and Heave. This system has a payload rating of 8000 pounds above the CG and weight of the top.

Multiple models are available for all applications. Contact us with size concerns.

Combining a long history in electric control loop technology, Servos & Simulation has been offering custom electric motion platforms for the aerospace industry since 1993. Servos & Simulation provides the highest level of performance available at these sizes in the industry.



Please be aware that all motion base designs can be customized to your requirements. These are generic specifications and are meant as a representation for a “generic” base system. We present our systems with a generic baseline so that if a generic system meets your needs, then you are able to select one. If it comes close, then we can modify the closest one to your custom needs. Customization can be quoted at contract time.

Model	710-6-4500
Axes (DOF)	Six
Payload (lbs)	4500 pounds
Velocity - contract dependent	
Roll	30˚ to 60˚ per sec
Pitch	30˚ to 60˚ per sec
Heave	±10” to ±30” per sec
Yaw	30˚ to 60˚ per sec
Surge	±10” to ±30” per sec
Sway	±10” to ±30” per sec
Accelerations - contract dependent	
Roll	140˚ to 300˚ per sec^2
Pitch	140˚ to 300˚ per sec^2
Heave	0.4g to 0.6g up to 1g
Yaw	140˚ to 300˚ per sec^2
Surge	0.4g to 0.6g up to 1g
Sway	0.4g to 0.6g up to 1g
Excursions - contract dependent	
Roll	±13˚ to ±35˚
Pitch	±15˚ to ±35˚
Heave	±2.5” to ±36”
Yaw	±15˚ to ±35˚
Surge	±4” to ±36”
Sway	±4” to ±36”
Power Requirements	
Voltage* (50/60Hz)	220VAC
Current Req	20 amps or more (design dependent)

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