

Seven-Axis (7DOF) Motion Base Platforms

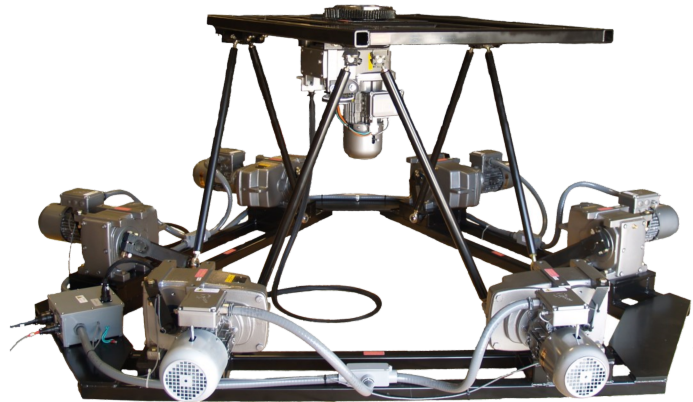
Electric Motion Systems for Training, Testing, Research and Immersive Simulation



Servos & Simulation designs and manufactures fully electric six-axis motion platforms with responsive roll, pitch, yaw, surge, sway and heave motion. The addition of an azimuth table creates a robust seven-axis system. Built for reliability, precision, and long service life, our systems support payloads from 500 lbs. to over 4,000 lbs. and can be customized to fit virtually any simulator or test application.

Key Specifications

- Degrees of Freedom: 6DOF (Roll, Pitch, Yaw, Surge, Sway & Heave) plus azimuth axis with 359° rotation
- Standard Angularity is $\pm 20^\circ$ in roll and pitch and custom angularity up to $\pm 35^\circ$ with 7.5" heave
- Power: 110VAC or 220VAC (model dependent)
- Custom top platform and mounting options
- Weatherproof configurations available
- Position data and feedback available
- Plug and Play installation
- Lifetime technical support and one-year



Why Choose Servos & Simulation

- Fully electric servo-controlled motion with closed-loop feedback
- Precision roll and pitch cueing for realistic motion simulation
- Integrated safety and braking systems
- Quiet, clean, low-maintenance operation
- Modular and scalable architecture
- Optional control computer, SDK, host interfaces, and custom software



Applications

Flight training devices, helicopter trainers, driving simulators, military trainers, marine simulators, medical research, antenna testing, drilling platforms, entertainment systems, and industrial testing.

Standard Payload Capacities	Part Number	Angularity
1000 Lbs (454 Kgs)	710-6-1000-220	$\pm 20^\circ$ to $\pm 35^\circ$
2000 Lbs (907Kgs)	710-6-2000-220	$\pm 20^\circ$ to $\pm 35^\circ$
4000 Lbs (2,041Kgs)	710-6-4000-220	$\pm 20^\circ$ to $\pm 35^\circ$
Contact us for larger payloads and customization.		



Please feel free to contact us:

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