



WHY USE A DYNAMIC MOTION SEAT IN YOUR SIMULATOR?

Better Cost, Better Training, & Easy Upgrade

Dynamic Motion Seats offer better cost and better capability for your simulators. The key difference is that motion capability is built right into the seat body. That key capability is a terrific advantage for your program in many ways. Here's how you the seat helps your program.

Save Money Many Ways!

- Much Lower Purchase Cost - Motion Platforms can cost millions. ACME Dynamic Motion seats are a tiny fraction of the cost.
- Much Lower Facility Costs - Motion platforms often need custom, costly facilities. Dynamic Motion Seats fit right into your cockpit. No direct costs to modify or build your facility to support a motion platform. Little or no direct costs to modify your simulator.
- Much Lower Support Costs - Motion Platforms may need hydraulic systems to power the legs, and the big actuators are expensive. More equipment drives more cost! Motion seats use cost-saving electric motors that use facility electricity. Save in purchase price and with spare parts.
- Crew Seats and Cueing - The simulator must have the crew seats. Save by eliminating some of the cost by needing a platform and the crew seats. Buy seats with the motion built in.

Better Motion Cueing = Better Simulator Training

- Unique Motion Cues - Dynamic Motion Seats provide capability like sustained g-cues, signature cues like translational lift, and pressure that can't be done with other systems. Feel ground effects, impacts, vibrations, ordnance employment, ground fire, malfunctions, engine effects, and more. These are important training cues that can improve your simulator's performance.
- Feel onset and Sustained Cues- Motion Platforms move and reset to neutral so the legs are ready for the next excursion. This means platforms provide only onset cues. Motion Seats add pressure and motion so the crew feels onset and sustained g-cues during the maneuvers.

FEEL THIS IN YOUR SIMULATOR



WITHOUT BREAKING YOUR PROGRAM BUDGET

- Faster Response - Platforms can't compete with Motion Seats' response speed. Slow response speed is why fighter jet simulators have not historically had motion cues. The platforms are too slow. Motion Seats' response is quick enough for even the most demanding fighter flights. And, motion seats keep cueing when the fighter flight goes inverted and back.
- Cut-out Simulator Sickness - The motion from platforms can affect crews' inner ears. That can lead to problems quickly. Sim sickness is a fact-of-life with many motion platforms. Motion seats don't excite the inner ear so crews don't get sick on the motion seats.

Bolt-on to Upgrade your Simulator

- Motion seats bolt right into your simulator in the same space and envelope as your existing crew seat. It's fast and easy to bolt in motion cueing to your simulator. Dynamic Motion Seats are an easy way to add realistic motion to new or older simulators. Installation and tuning can be accomplished in a single day.

Cue your Crews, not the Equipment

- Why shake/move your expensive visual systems, projectors, sound systems, control loading, and more on a motion system? Why put that wear and tear on your electronics? Motion seat provide cues right to the crew and only to the crew.



- 1 - Back Pan Tilt
- 2 - Back Pan Surge
- 3 - Seat Pan Tilt
- 4 - Seat Pan Heave

USE A
DYNAMIC
MOTION SEAT