ACME True Q® Dynamic Motion Seats look, feel and function just like the actual helicopter seats. All the motion components are inside the seat. The seats translate simulator acceleration signals into realistic, convincing motion cues that emulate the forces and sensations felt in flight.

Dynamic Motion Seats provide full-motion cueing without the need for expensive, gigantic platforms or shaker systems. Cues are provided right to the pilot’s body. And, because the motion seat plates provide pressure as well as motion, both onset and sustained g-cues are emulated. Sustained g-cues are just not possible with platforms and shakers.

(Patent #8827709)
**AH-64 Dynamic Motion Seats for Helicopter Simulators**

Complete AH-64 Dynamic Motion Seat System includes the seats, computer, electronics, and cables to drive the seats.

A single DMS computer can control both the Pilot and Copilot seats (a shipset) in a single simulator or a single, stand-alone Pilot seat.

System includes ACME’s intuitive DMS Manager Application and executable software and firmware.

Simple Ethernet interface to the simulator host computer system. The DMS provides seat status and the host provides acceleration signals for the seat computer.


Can be equipped with sliding outboard replica armor plate.

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**AH-64 DMS System Overview**

**Multiple Motion Channels**

- 1 - Sway
- 2 - Bucket Heave
- 3 - Surge
- 4 - Squab Heave
- 5 - Tilt
- 6 - Actuated Harness

**Power**

Standard US or European 3-phase power

Call for custom power requirements

- CE Compliant
- 1-Year Warranty
- IA Compliant Computer Systems
- Standard Ethernet Interface

**Complete COTS System - No NRE**

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