

# TRUE Q®

## DYNAMIC MOTION SEATS



# AH-64

for **Helicopter  
Simulators**

### DYNAMIC MOTION SEATS

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)

# TRUEQ<sup>®</sup>

## DYNAMIC MOTION SEATS



### AH-64 <sup>for</sup> 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.

Supported with Interface Control Document, Operation & Maintenance Manual, Acceptance Test Procedures, and a standard, 1-year factory warranty.

Can be equipped with sliding outboard replica armor plate.

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



#### AH-64 DMS System Overview



Trainer

DYNAMIC MOTION  
SEAT SHIPSET



Feedback/Control  
Ethernet

HOST COMPUTER

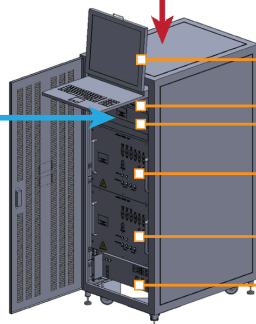


Computer Room



NETWORK SWITCH

DMS ELECTRONICS  
CABINET



- KVM
- DMS Computer  
Expansion Chassis
- Electronics Chassis #1
- Electronics Chassis #2
- Power Distribution Unit

#### MULTIPLE MOTION CHANNELS

#### 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