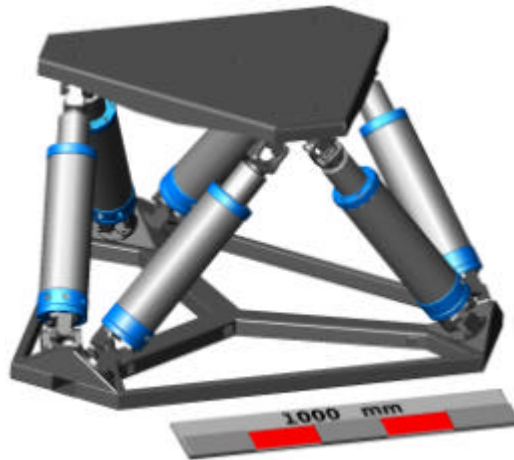


# ADVANCED MOTION TECHNOLOGIES Inc

## ServoRam™ E-Mag 2000 6DOF Motion Base (900kg/2000lbs)



The E-Mag 2000 6DOF is AMT's latest Electro-MAGNETIC Six Degrees of Freedom (6DOF) Motion Base. It utilises patented ServoRam™ Technology that combines the precision and acceleration of a Linear Motor with the load handling capacity of a Pneumatic Cylinder. It provides market-leading performance, cleanliness and precision at an affordable price. As standard the E-Mag 2000 6DOF is supplied with a fully integrated Control System that is able to support a range of popular interfaces.

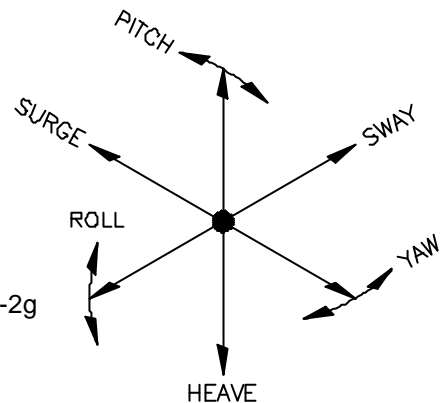
### Supply Requirement

Electrical - 200 to 440V 3 Phase (25A)    Pneumatic - 100 psi/2 CFM

### Envelope of Movement & Performance

Heave	+/- 153mm (6")	Pitch	+/- 23.5°
Surge	+/- 205mm (8")	Roll	+/- 21.5°
Sway	+/- 185mm (7.25")	Yaw	+/- 23.5°

Maximum payload 900kg/2000lbs with accelerations in the region of 1-2g  
This motion base may be modified, scaled or customised.



### Physical Dimensions

Minimum floor space required	1500mm x 1300mm (59" x 52")
Height (Rams at zero extension)	685mm (27")
Height (Rams at full extension)	990mm (39")
Mass of Base	342kg (752lbs)

### Control Interface Options

Ethernet with Real Time Kinematics  
Ethernet Ram Position Control  
PROFIBUS Ram position control  
Analogue Position Control (0-10V)

CANBUS Ram position control  
MODBUS Ram position control  
DEVICENET Ram position control



[www.advancedmotion.net](http://www.advancedmotion.net)

P.O. Box 249  
32 Orion Club Drive  
Ashton, Maryland  
20861-0249 USA  
Tel +1 301 260 9090  
Fax: +1 301 774 8272