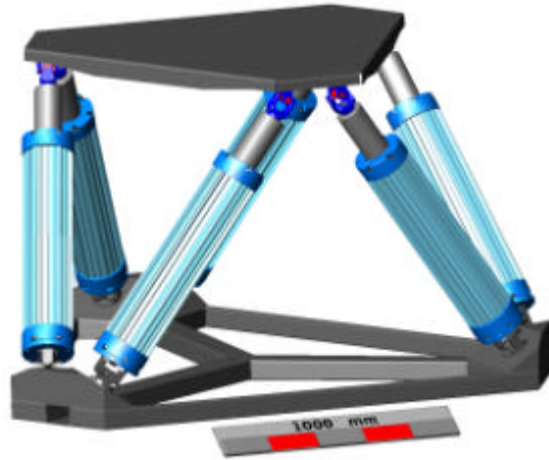


# ADVANCED MOTION TECHNOLOGIES Inc

## ServoRam™ E-Mag 3300 6DOF Motion Base (1500kg/3300lbs)



The E-Mag 3300 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 3300 6DOF is supplied with a fully integrated Control System that is able to support a range of popular interfaces.

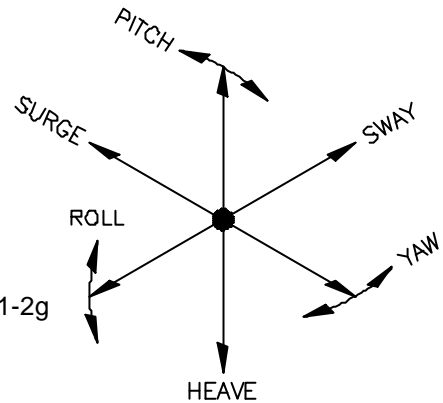
### Supply Requirement

Electrical - 400 to 480V 3 Phase (25A)    Pneumatic - 100 psi/3 CFM

### Envelope of Movement & Performance

Heave	+/- 312mm (12.25")	Pitch	+/- 24.5°
Surge	+/- 430mm (17")	Roll	+/- 25°
Sway	+/- 394mm (15.5")	Yaw	+/- 30°

Maximum payload 1500kg/3300lbs with accelerations in the region of 1-2g  
This motion base may be modified, scaled or customised.



### Physical Dimensions

Minimum floor space required	2350mm x 2100mm (92.5" x 83")
Height (Rams at zero extension)	1086mm (42.75")
Height (Rams at full extension)	1610mm (63.5")
Mass of Base	710kg (1562lbs)

### 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



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