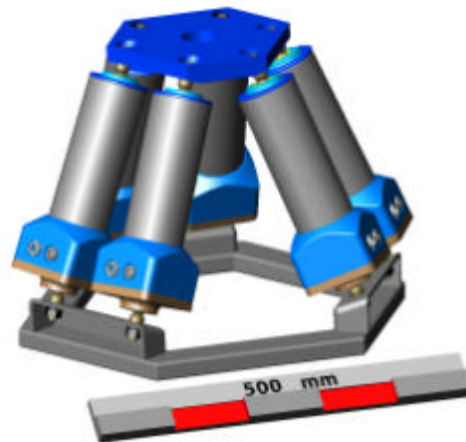


# ADVANCED MOTION TECHNOLOGIES Inc

## ServoRam™ E-Mag 400 6DOF Motion Base (180kg/400lbs)



The E-Mag 400 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 400 6DOF is supplied with a fully integrated Control System that is able to support a range of popular interfaces.

### Supply Requirement

Electrical - 110 to 240V 1 Phase (13A)    Pneumatic - 100 psi/1 CFM

### Envelope of Movement & Performance

Heave	+/- 16mm (0.6")	Pitch	+/- 9.4°
Surge	+/- 42.5mm (1.7")	Roll	+/- 8.2°
Sway	+/- 38mm (1.5")	Yaw	+/- 27°

Maximum payload 180kg/400lbs with accelerations in the region of 1-2g  
This motion base may be modified, scaled or customised.

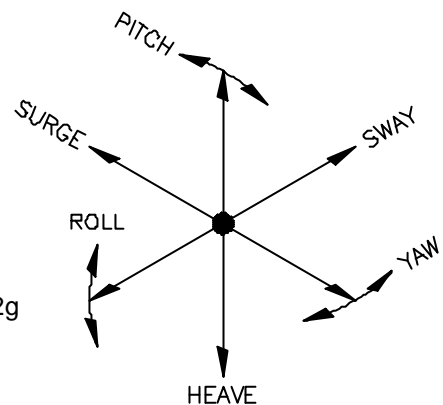
### Physical Dimensions

Minimum floor space required	540mm x 470mm (21.25" x 18.5")
Height (Rams at zero extension)	382mm (15")
Height (Rams at full extension)	415mm (16.5")
Mass of Base	58kg (127lbs)

### 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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