



COMPATIBLE WITH

- ▶ Remote control weapon systems
- ▶ Camera tracking systems
- ▶ Gimbal systems
- ▶ Radar systems
- ▶ Rotator systems
- ▶ Turret systems
- ▶ Vehicle cabin/body systems
- ▶ Aircraft cabin systems



FACTS

- ▶ 6 degrees of freedom
- ▶ 6 electro-mechanical actuators
- ▶ 500 kg total payload
- ▶ 300 mm actuator stroke



APPLICATIONS

- ▶ Turret & RCW test
- ▶ Component validation
- ▶ Signal replication
- ▶ Signal generation
- ▶ Real time simulation table
- ▶ Field data system testing simulator

3D CONNECTION CONTROLLER OPTIONAL



SMOTION PRODUCT LINE

SMOTION50

SMOTION100

SMOTION200

SMOTION500

SMOTION800

SMOTION1000



DIMENSIONS

L1.6XW1.4XH1.2 m





TECHNICAL SPECIFICATIONS

Performance Specifications

- ▶ Gross Moving Load up to **500 kg**
- ▶ Actuator Stroke **300 mm**
- ▶ Center of Gravity Above Top Platform **0.50 m (Max)**
- ▶ Settled Height **0.80 m**
- ▶ Neutral Height **1.10 m**

Moment of Inertia About

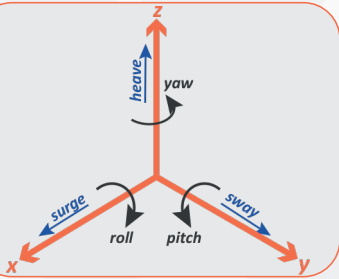
- ▶ Moment of Inertia About X axis **250 kg.m²**
- ▶ Moment of Inertia About Y axis **250 kg.m²**
- ▶ Moment of Inertia About Z axis **250 kg.m²**

Power Supply

- ▶ **380VAC ±10%, 3ph , 50/60Hz**

	Velocity	Acceleration
▶ Surge	± 0.45 m/s	± 5 m/s²
▶ Sway	± 0.45 m/s	± 5 m/s²
▶ Heave	± 0.35 m/s	± 6 m/s²
▶ Roll	± 40°/s	± 300°/s²
▶ Pitch	± 40°/s	± 300°/s²
▶ Yaw	± 50°/s	± 500°/s²

	Excursion	Single Axis	Multi Axis
▶ Surge	-0.22 m	0.24 m	-0.30 m - 0.30 m
▶ Sway	-0.22 m	0.22 m	-0.31 m - 0.31 m
▶ Heave	-0.19 m	0.18 m	-0.19 m - 0.18 m
▶ Roll	-21.00°	21.00°	-24.00° - 24.00°
▶ Pitch	-20.00°	22.00°	-25.00° - 25.00°
▶ Yaw	-22.00°	22.00°	-26.00° - 26.00°



HARDWARE COMPONENTS

- ▶ User friendly interface control (GUI)
- ▶ Hardware real-time control
- ▶ UDP based PC communication
- ▶ IMU integrated measurement system
- ▶ Passive and active limitations



SIMPLE, SAFE AND ERGONOMIC SOFTWARE

- ▶ Signal generations
- ▶ Field data signal replication
- ▶ Real time signal visualization
- ▶ Signal recording and processing



USER FRIENDLY GUI

