



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
- ▶ 3.500 kg total payload
- ▶ 600 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

SMOTION1500

SMOTION1800

SMOTION2500

SMOTION3000

SMOTION3500

SMOTION4000



DIMENSIONS

L2.9Xw3.0XH2.1 m





TECHNICAL SPECIFICATIONS

Performance Specifications

- ▶ Gross Moving Load up to **3.500 kg**
- ▶ Actuator Stroke **600 mm**
- ▶ Center of Gravity Above Top Platform **1.00 m (Max)**
- ▶ Settled Height **1.22 m**
- ▶ Neutral Height **1.61 m**

Moment of Inertia About

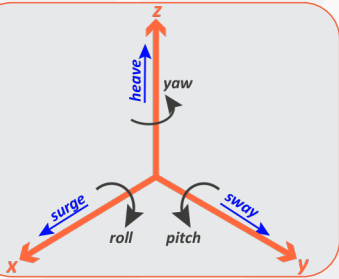
- ▶ Moment of Inertia About X axis **5.000 kg.m²**
- ▶ Moment of Inertia About Y axis **5.000 kg.m²**
- ▶ Moment of Inertia About Z axis **5.000 kg.m²**

Power Supply

- ▶ **380VAC ±10%, 3ph , 50/60Hz**

	Velocity	Acceleration
▶ Surge	± 0.80 m/s	± 7 m/s²
▶ Sway	± 0.80 m/s	± 7 m/s²
▶ Heave	± 0.60 m/s	± 9 m/s²
▶ Roll	± 45°/s	± 200°/s²
▶ Pitch	± 47°/s	± 300°/s²
▶ Yaw	± 52°/s	± 300°/s²

	Excursion	Single Axis	Multi Axis
▶ Surge	-0.42 m	0.53 m	-0.58 m - 0.57 m
▶ Sway	-0.43 m	0.43 m	-0.62 m - 0.62 m
▶ Heave	-0.40 m	0.35 m	-0.40 m - 0.35 m
▶ Roll	-20.60°	20.60°	-26.41° - 26.41°
▶ Pitch	-20.20°	21.10°	-29.70° - 26.01°
▶ Yaw	-24.00°	24.00°	-26.56° - 26.56°



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

