



COMPATIBLE WITH

- ▶ Camera tracking systems
- ▶ Optic systems
- ▶ Antenna systems
- ▶ Radar systems
- ▶ Gimbal systems
- ▶ Rotator systems



FACTS

- ▶ 6 degrees of freedom
- ▶ 6 electro-mechanical actuators
- ▶ 100 kg total payload
- ▶ 200 mm actuator stroke



APPLICATIONS

- ▶ 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

L1.1Xw1.0XH0.7 m





TECHNICAL SPECIFICATIONS

Performance Specifications

- ▶ Gross Moving Load up to **100 kg**
- ▶ Actuator Stroke **200 mm**
- ▶ Center of Gravity Above Top Platform **0.20 m (Max)**
- ▶ Settled Height **0.44 m**
- ▶ Neutral Height **0.58 m**

Moment of Inertia About

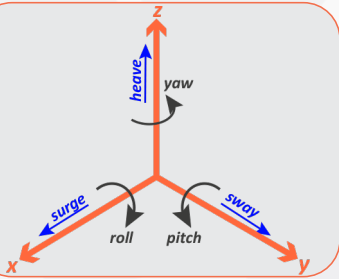
- ▶ Moment of Inertia About X axis **45 kg.m²**
- ▶ Moment of Inertia About Y axis **45 kg.m²**
- ▶ Moment of Inertia About Z axis **45 kg.m²**

Power Supply

- ▶ **380VAC ±10%, 3ph , 50/60Hz**

	Velocity	Acceleration
▶ Surge	± 0.50 m/s	± 5 m/s²
▶ Sway	± 0.50 m/s	± 5 m/s²
▶ Heave	± 0.40 m/s	± 6 m/s²
▶ Roll	± 43⁰/s	± 300⁰/s²
▶ Pitch	± 43⁰/s	± 300⁰/s²
▶ Yaw	± 53⁰/s	± 400⁰/s²

	Excursion	Single Axis	Multi Axis
▶ Surge	-0.16 m	0.18 m	-0.21 m 0.20 m
▶ Sway	-0.15 m	0.15 m	-0.22 m 0.22 m
▶ Heave	-0.13 m	0.12 m	-0.13 m 0.12 m
▶ Roll	-23.00⁰	23.00⁰	-28.30⁰ 28.30⁰
▶ Pitch	-22.50⁰	23.80⁰	-30.10⁰ 30.90⁰
▶ Yaw	-28.80⁰	28.80⁰	-32.10⁰ 32.10⁰



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

