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

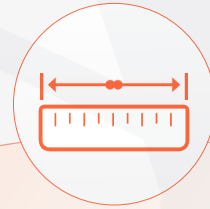- 6 degrees of freedom
- 6 electro-mechanical actuators
- 1.000 kg total payload
- 300 mm actuator stroke

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
$_L2.3 \times _W 2.0 \times _H 1.4$ m

TECHNICAL SPECIFICATIONS

Performance Specifications

Gross Moving Load up to	**1.000** kg
Actuator Stroke	**300** mm
Center of Gravity Above Top Platform	**0.60** m (Max)
Settled Height	**1.85** m
Neutral Height	**1.10** m

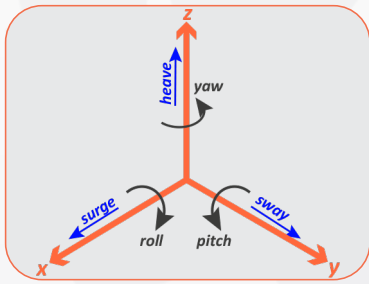### Moment of Inertia About

Moment of Inertia About X axis	**500** kg.m²
Moment of Inertia About Y axis	**500** kg.m²
Moment of Inertia About Z axis	**500** kg.m²

Power Supply

380VAC **±10%**, **3**ph , **50/60**Hz

	Velocity	Acceleration
Surge	**± 0.55** m/s	**± 6** m/s²
Sway	**± 0.55** m/s	**± 6** m/s²
Heave	**± 0.45** m/s	**± 7** m/s²
Roll	**± 35**^{0}/s	**± 500**^{0}/s²
Pitch	**± 35**^{0}/s	**± 500**^{0}/s²
Yaw	**± 45**^{0}/s	**± 550**^{0}/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**^{0}	**21.00**^{0}	**-24.00**^{0}	**24.00**^{0}
Pitch	**-20.00**^{0}	**22.00**^{0}	**-25.00**^{0}	**25.00**^{0}
Yaw	**-22.00**^{0}	**22.00**^{0}	**-26.00**^{0}	**26.00**^{0}

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