



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

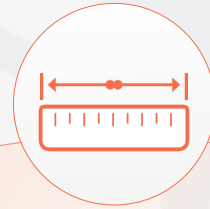
- ▶ 6 degrees of freedom
- ▶ 6 electro-mechanical actuators
- ▶ 1.000 kg total payload
- ▶ 300 mm actuator stroke
- ▶ IP class 66



APPLICATIONS

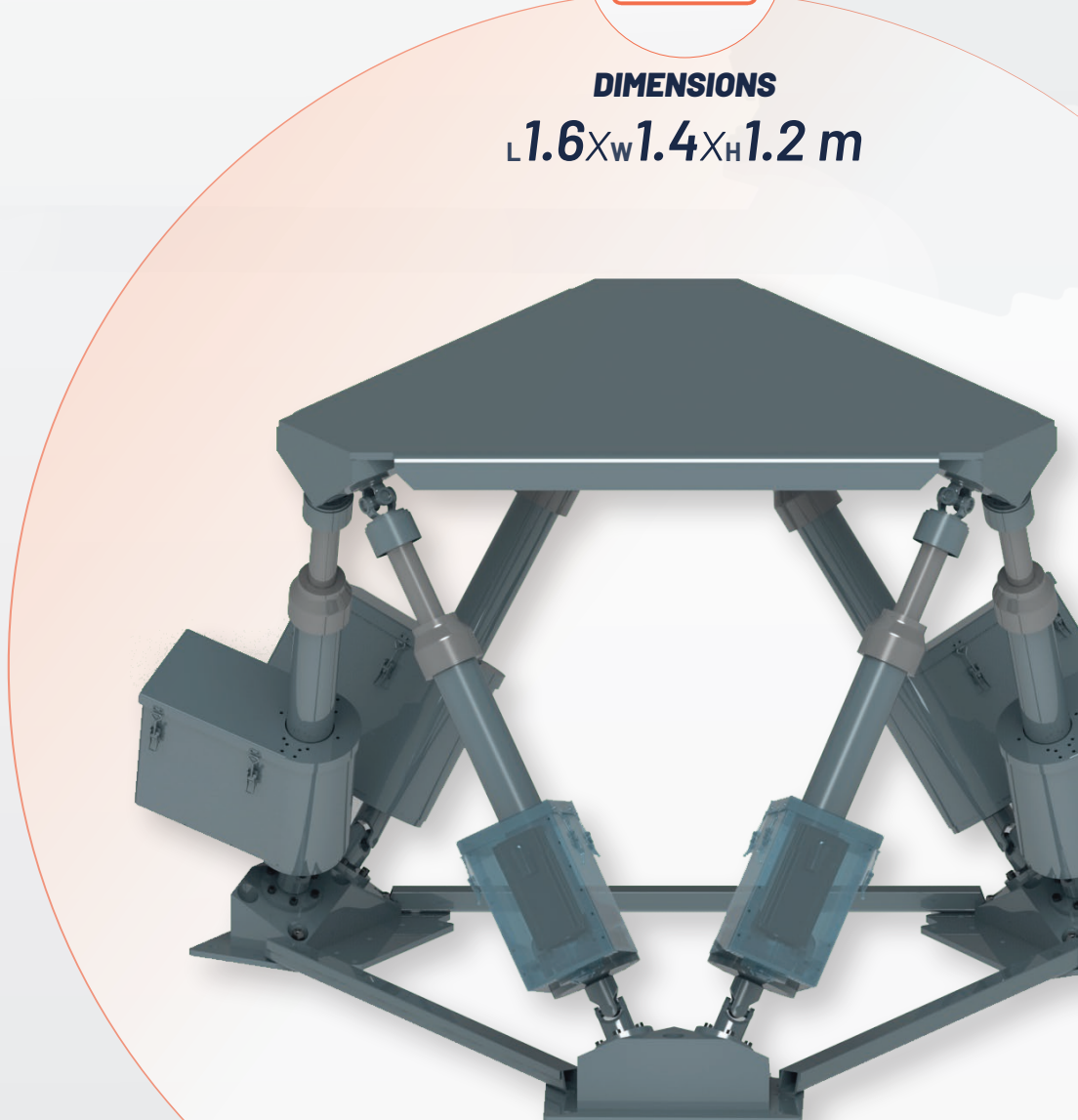
- ▶ Turret & RCW test
- ▶ Component validation
- ▶ Signal replication
- ▶ Signal generation
- ▶ Real time simulation table
- ▶ Field data system testing simulator

3D CONNECTION CONTROLLER OPTIONAL



DIMENSIONS

L1.6Xw1.4XH1.2 m



SMOTION PRODUCT LINE

SMOTION50

SMOTION100

SMOTION200

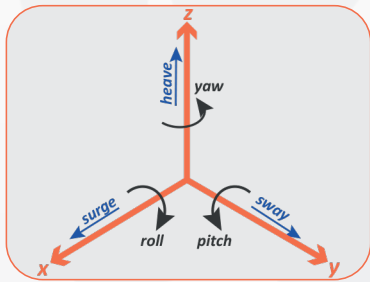
SMOTION500

SMOTION800

SMOTION1000



TECHNICAL SPECIFICATIONS



HARDWARE COMPONENTS

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

Performance Specifications

- ▶ Gross Moving Load up to **1.000 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 **450 kg.m²**
- ▶ Moment of Inertia About Y axis **450 kg.m²**
- ▶ Moment of Inertia About Z axis **450 kg.m²**

Power Supply

- ▶ **380VAC ±10%, 3ph , 50/60Hz**
- ▶ **Operation Temperature -20°C, +50°C**
- ▶ **Storage Temperature -30°C, +60°C**

Velocity

Acceleration

- | | Velocity | Acceleration |
|---------|----------------------|------------------------------------|
| ▶ Surge | ± 0.56 m/s | ± 6 m/s ² |
| ▶ Sway | ± 0.56 m/s | ± 6 m/s ² |
| ▶ Heave | ± 0.51 m/s | ± 7 m/s ² |
| ▶ Roll | ± 48 ⁰ /s | ± 300 ⁰ /s ² |
| ▶ Pitch | ± 48 ⁰ /s | ± 300 ⁰ /s ² |
| ▶ Yaw | ± 55 ⁰ /s | ± 400 ⁰ /s ² |

Excursion

Single Axis

Multi Axis

- | | Single Axis | Multi Axis |
|---------|--|--|
| ▶ Surge | -0.27 m - 0.28 m | -0.40 m - 0.37 m |
| ▶ Sway | -0.25 m - 0.25 m | -0.40 m - 0.40 m |
| ▶ Heave | -0.17 m - 0.16 m | -0.17 m - 0.16 m |
| ▶ Roll | -22.40 ⁰ - 22.40 ⁰ | -30.20 ⁰ - 30.20 ⁰ |
| ▶ Pitch | -22.30 ⁰ - 23.40 ⁰ | -32.20 ⁰ - 32.20 ⁰ |
| ▶ Yaw | -33.50 ⁰ - 33.50 ⁰ | -43.00 ⁰ - 43.00 ⁰ |



SIMPLE, SAFE AND ERGONOMIC SOFTWARE

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



USER FRIENDLY GUI

