



## 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

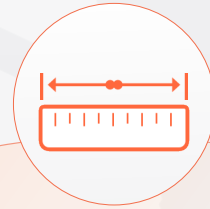
- ▶ 6 degrees of freedom
- ▶ 6 electro-mechanical actuators
- ▶ 1.000 kg total payload
- ▶ 300 mm actuator stroke
- ▶ IP class 66



## APPLICATIONS

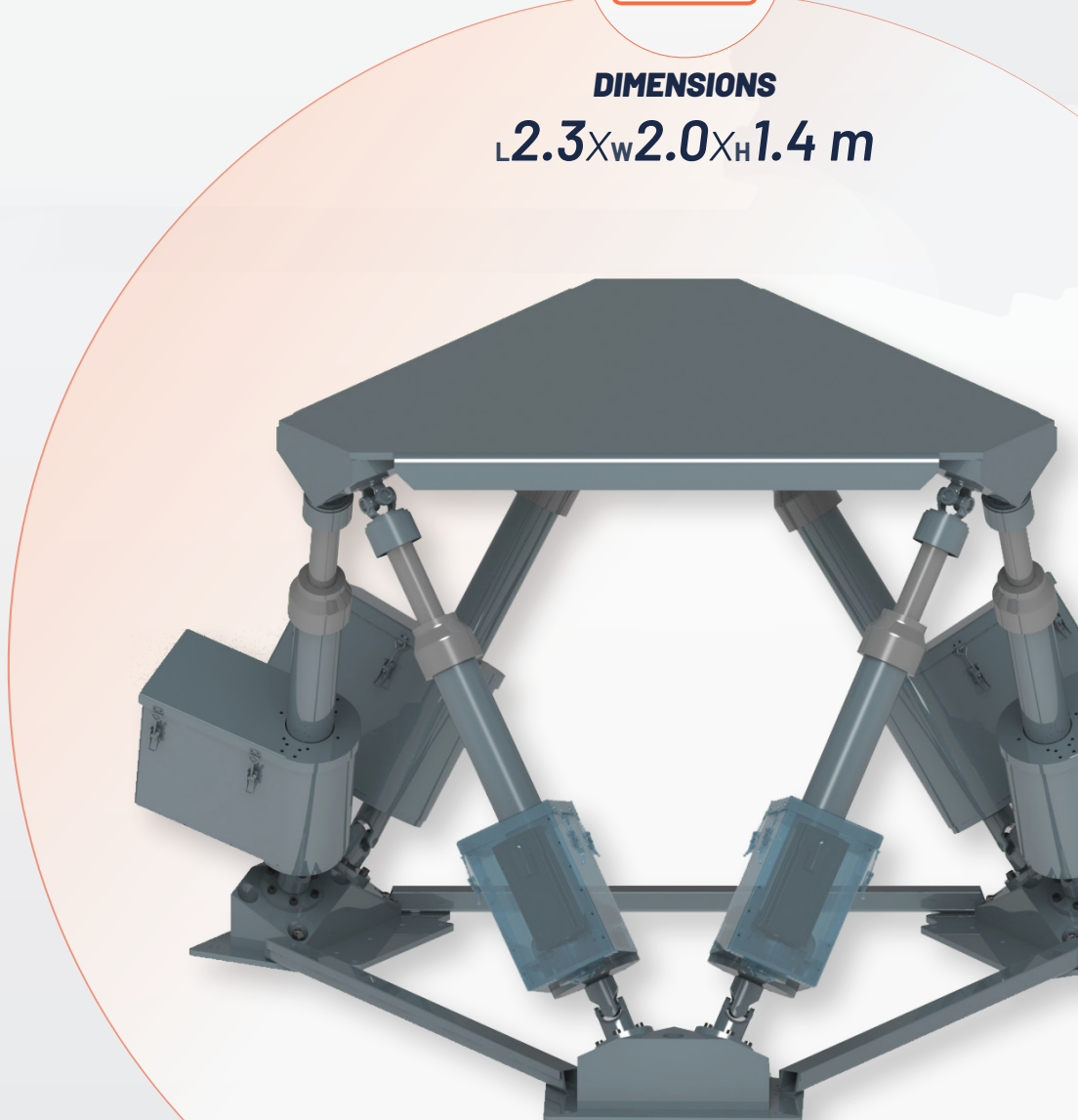
- ▶ Turret & RCW test
- ▶ Component validation
- ▶ Signal replication
- ▶ Signal generation
- ▶ Real time simulation table
- ▶ Field data system testing simulator

### 3D CONNECTION CONTROLLER OPTIONAL



## DIMENSIONS

**L2.3XW2.0XH1.4 m**



## SMOTION PRODUCT LINE

SMOTION50

SMOTION100

SMOTION200

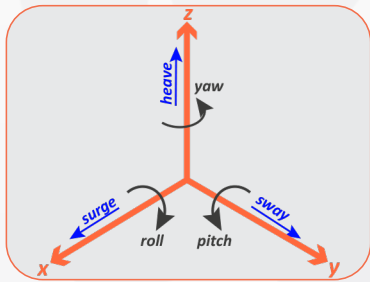
SMOTION500

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 **0.60 m (Max)**
- ▶ Settled Height **1.85 m**
- ▶ Neutral Height **1.10 m**

## Moment of Inertia About

- ▶ Moment of Inertia About X axis **500 kg.m<sup>2</sup>**
- ▶ Moment of Inertia About Y axis **500 kg.m<sup>2</sup>**
- ▶ Moment of Inertia About Z axis **500 kg.m<sup>2</sup>**

## Power Supply

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

## Velocity

## Acceleration

- |         | Velocity   | Acceleration          |
|---------|------------|-----------------------|
| ▶ Surge | ± 0.55 m/s | ± 6 m/s <sup>2</sup>  |
| ▶ Sway  | ± 0.55 m/s | ± 6 m/s <sup>2</sup>  |
| ▶ Heave | ± 0.45 m/s | ± 7 m/s <sup>2</sup>  |
| ▶ Roll  | ± 35°/s    | ± 500°/s <sup>2</sup> |
| ▶ Pitch | ± 35°/s    | ± 500°/s <sup>2</sup> |
| ▶ Yaw   | ± 45°/s    | ± 550°/s <sup>2</sup> |

## Excursion

## Single Axis

## Multi Axis

- |         | 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° |



## SIMPLE, SAFE AND ERGONOMIC SOFTWARE

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



## USER FRIENDLY GUI

