



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
- ▶ 2.500 kg total payload
- ▶ 700 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



SMOTION PRODUCT LINE

SMOTION1500

SMOTION1800

SMOTION2500

SMOTION3000

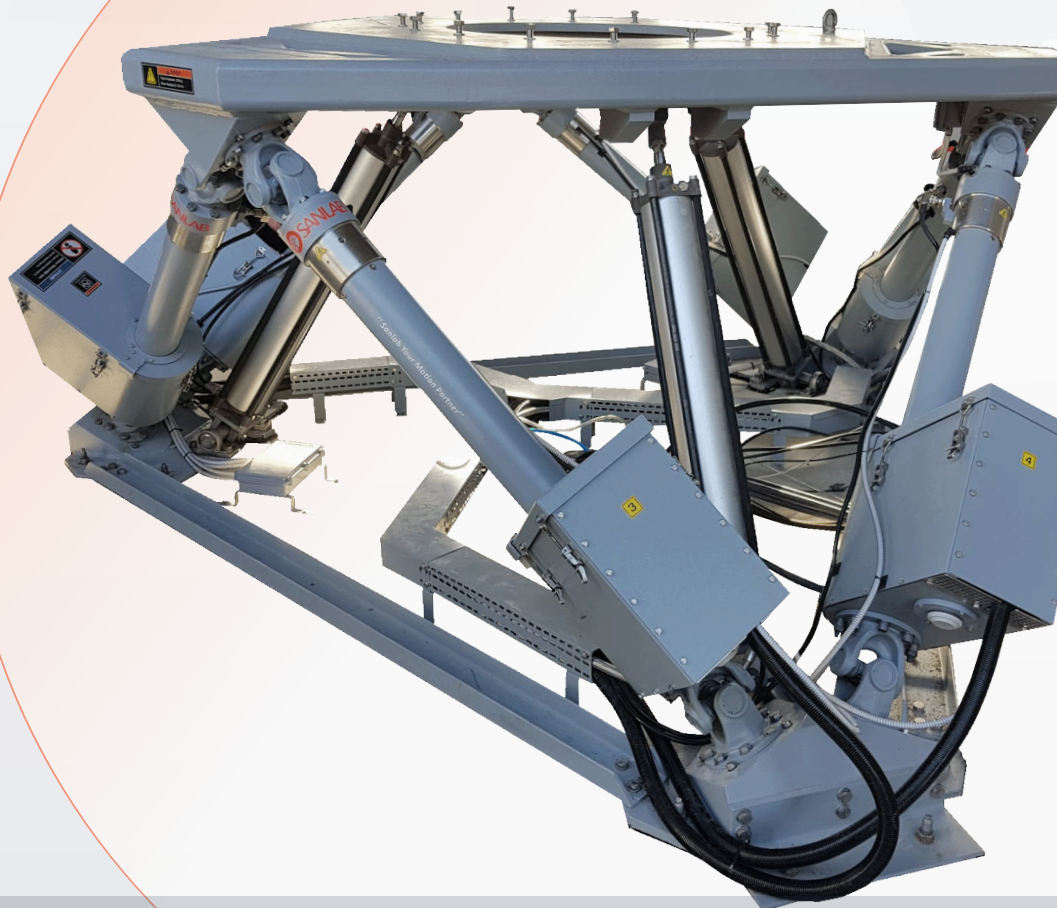
SMOTION3500

SMOTION4000



DIMENSIONS

L3.4Xw3.1XH2.3 m





TECHNICAL SPECIFICATIONS

Performance Specifications

- ▶ Gross Moving Load up to **2.500 kg**
- ▶ Actuator Stroke **700 mm**
- ▶ Center of Gravity Above Top Platform **1.00 m (Max)**
- ▶ Settled Height **1.40 m**
- ▶ Neutral Height **1.90 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**
- ▶ **Operation Temperature -20°C, +50°C**
- ▶ **Storage Temperature -30°C, +60°C**

Velocity

Acceleration

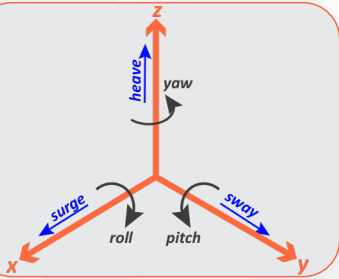
- | | Velocity | Acceleration |
|---------|-------------------|-----------------------------|
| ▶ Surge | ± 0.80 m/s | ± 7 m/s² |
| ▶ Sway | ± 0.80 m/s | ± 7 m/s² |
| ▶ Heave | ± 0.70 m/s | ± 10 m/s² |
| ▶ Roll | ± 50°/s | ± 200°/s² |
| ▶ Pitch | ± 50°/s | ± 200°/s² |
| ▶ Yaw | ± 50°/s | ± 300°/s² |

Excursion

Single Axis

Multi Axis

- | | Single Axis | Multi Axis |
|---------|-----------------------|-----------------------|
| ▶ Surge | -0.52 m 0.61 m | -0.71 m 0.68 m |
| ▶ Sway | -0.51 m 0.51 m | -0.74 m 0.74 m |
| ▶ Heave | -0.48 m 0.42 m | -0.48 m 0.42 m |
| ▶ Roll | -23.08° 23.08° | -30.06° 30.06° |
| ▶ Pitch | -22.64° 24.34° | -33.75° 30.87° |
| ▶ Yaw | -27.06° 27.06° | -30.49° 30.49° |



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

