

## MOTION PLATFORM

# PS-6TL-150

## 6<sup>DOF</sup>

SET ARCHITECTURE

## 10<sup>cm</sup>

ACTUATOR STROKE

## 150<sup>kg</sup>

PAYLOAD



## MOTION PLATFORM PS-6TL-150

The PS-6TL-150 motion platform is a perfect base for industrial testing, verification and testing application of camera modules, antennas, telescopes and anther optical technology where the high frequencies and velocities are required. Gross moving load up to 150 kg/330 lb, super clean solution, compact size, and ultra-quiet operation, are not the only advantages of a six-axis machine. This 6DoF motion system is equipped with rigidity, high positioning accuracy and real-time vibrations, which is mainly intended for projects in the field of positioning and testing. Moreover, comparing this platform with the QS-625 motion system, it can be easily noticed that PS-6TL-150 has an extended motion envelope and increased velocity.

## KEY FEATURES



### Super silent

Extremely quiet operation



### Modular and Reconfigurable

Easy to adapt to 3rd party cockpits



### Software support

Motion adjustment, motion post-processing, extensive diagnostic and profiles



### Precision in movement repeatability

High ability to generate vibrations and incredible movement repeatability



### VR technology

VR HeadWay technology support (VR sickness compensation)



### Compact design

Extremely small footprint and lightweight body

# GENERAL SPECIFICATION **PS-6TL-150**

## SYSTEM PERFORMANCE

	EXCURSION (SINGLE DOF)	EXCURSION (NON SINGLE DOF)	VELOCITY	ACCELERATION
SURGE	- 82.2 mm, 64.9 mm - 3.24 in, 2.56 in	- 86.4 mm, 69.8 mm - 3.4 in, 2.75 in	0.57 m/s 22.4 in/s	4 m/s <sup>2</sup>
SWAY	- 68 mm, 68 mm - 2.68 in, 2.68 in	- 73.1 mm, 73.1 mm - 2.88 in, 2.88 in	0.53 m/s 20.8 in/s	3.6 m/s <sup>2</sup>
HEAVE	- 61.6 mm, 77.1 mm - 2.43 in, 3.04 in	- 56.7 mm, 73.7 mm - 2.24 in, 2.91 in	0.44 m/s 17.3 in/s	3 m/s <sup>2</sup>
ROLL	-20.8°, 20.8°	-19.5°, 19.5°	150°/s	1100°/s <sup>2</sup>
PITCH	-19.9°, 20.8°	-19.1°, 18.0°	165°/s	1200°/s <sup>2</sup>
YAW	-21.4°, 21.4°	-22.9°, 22.9°	140°/s	1000°/s <sup>2</sup>

## GENERAL SPECIFICATION

ARCHITECTURE	6 DOF
PAYLOAD	150 kg   331 lb
PRODUCT WEIGHT	207 kg   456 lb
TOTAL WIDTH	1258 mm   49.5 in
TOTAL LENGTH	1258 mm   49.5 in
MIN HEIGHT	802 mm   31.57 in

## POWER REQUIREMENTS

	230V	120V
AVERAGE POWER CONSUMPTION	199W / 2114,53 VA	238W / 2160,31 VA
PEAK CURRENT FOR BREAKER SPECIFICATION	8,84 A	17,45 A

## SUPPORTED TECHNOLOGIES

ForceSeat (free-of-charge) | Motion SDK - ForceSeatDI | Motions SDK - ForceSeatMI | Motion Theater

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