PROFESSIONAL SERIES

PS-6TL-1500

6DOF
ARCHITECTURE

1500kg
GROSS MOVING LOAD

400mm
ACTUATOR STROKE

1600kg
WEIGHT

124cm
MIN HEIGHT

MOTION PLATFORM **PS-6TL-1500**

The PS-6TL-1500 product based on a Stewart platform, which provides highest level of motion sensation and matches unique requirements of customers. The 6 DoF motion platform is mainly intended for professional applications in defense sector, flight and driving simulation and entertainment industry.

## KEY **FEATURES**

Incredible precision	Extensive range of motion	Modular and Reconfigurable	Software support
High rigidity designed platform	Huge working envelope. Higher angle of YAW and greater ranges of SURGE and SWAY	Possibility of on site assembly, modular spare parts and various actuators stroke are available	Control all our motion platforms using one of ours SDK

Effective acceleration	Durability	VR technology	Warranty
Impressive PITCH and ROLL accelerations	Extremely quiet and smooth operation	All our motion platforms work in VR environment	Global support and up to 10 years extended warranty

GENERAL **SPECIFICATION**

	EXCURSIONS SINGLE DOF	EXCURSIONS NON-SINGLE DOF	VELOCITY	ACCELERATION
SURGE	- 0.36 m, 0.35 m	- 0.38 m, 0.38 m	0.7 m/s	7 m/s^2
SWAY	- 0.32 m, 0.32 m	- 0.38 m, 0.38 m	0.7 m/s	7 m/s^2
HEAVE	- 0.24 m, 0.27 m	- 0.24 m, 0.27 m	0.4 m/s	5 m/s^2
ROLL	-21.3°, 21.3°	-22.5°, 22.5°	35°/s	250°/s^2
PITCH	-20.4°, 20.4°	-25.5°, 25.5°	35°/s	250°/s^2
YAW	-24.9°, 24.9°	-26.5°, 26.5°	35°/s	250°/s^2
TOTAL LENGTH	2735 mm | 107.67 in			
TOTAL WIDTH	2933mm | 115.47 in			
MIN HEIGHT	1236 mm			
PRODUCT WEIGHT	1600 kg			
POWER SUPPLY REQUIREMENTS	3-phase 400 VAC +/- 10%, 50/60 Hz			

PAYLOAD **SPECIFICATION**

PAYLOAD		1350 kg | 2976 lb
GROSS MOVING LOAD		1500 kg | 3307 lb
COG HEIGHT ABOVE MPC*		500 mm | 19.69 in
MOMENTS OF INERTIA	Ixx	2000 kg*m^2
	Iyy	2000 kg*m^2
	Izz	2000 kg*m^2

* COG: CENTER OF GRAVITY – MPC: MOVING PLATFORM CENTROID

ADD-ONS & **ACCESSORIES**

Electromagnetic safety brakes, Power Cabinet PS-SB400

OUR **SOFTWARE**

Platform Manager - ForceSeatPM (free-of-charge), Motion SDK - ForceSeatDI, Motions SDK - ForceSeatMI, Motion Theater

GENERAL **DIMENSIONS**

Front view — dimensions: 1758 (top width), 2933 (base width), Heave Min = 1235.8

Side view — dimensions: 1523 (top width), 2570 (base width)

Top view — dimensions: 2735, 2815