



PROFESSIONAL SERIES

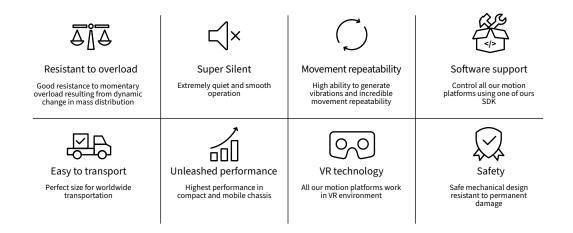
PS-6TL-800



MOTION PLATFORM PS-6TL-800

The PS-6TL-800 device is a type of Stewart platform with a load capacity of up to 800 kg. It is a type of six-degree-of-freedom parallel manipulator that allows execution three translational movements and three rotational movements about the vertical, longitudinal and lateral axis.

KEY FEATURES





GENERAL SPECIFICATION

	EXCURSIONS SINGLE DOF	VELOCITY	ACCELERATION
SURGE	- 0.37 m, 0.35 m - 14.56 in, 13.77 in	0.65 m/s 25.60 in/s	7 m/s² 0.7 g
SWAY	- 0.33 m, 0.33 m - 12.99 in, 12.99 in	0.77 m/s 30.31 in/s	7 m/s² 0.7 g
HEAVE	- 0.18 m, 0.22 m - 7.08 in, 8.66 in	0.4 m/s 15.75 in/s	5 m/s² 0.5 g
ROLL	-24.5°, 24.5°	40°/s	550°/s²
PITCH	-23.6°, 21.8°	45°/s	600°/s²
YAW	-37.0°, 37.0°	65°/s	800°/s²
TOTAL LENGTH	1800 mm 70.87 in		
TOTAL WIDTH	1959 mm 77.13 in		
MIN HEIGHT	1065 mm 41.93 in		
POWER SUPPLY REQUIREMENTS	400 VAC Three Phases		
AVERAGE POWER	8 kVA		
PEAK POWER	21.6 kVA		
PEAK CURRENT	19 A		
AVERAGE POWER - STRESS TEST	4.6 kW		
AVERAGE POWER - TYPICAL GAME	1.1 kW		

PAYLOAD SPECIFICATION

PAYLOAD	720 kg 1587 lb
PRODUCT WEIGHT	750 kg 1653 lb
GROSS MOVING LOAD	800 kg 1764 lb
COG HEIGHT ABOVE MPC*	500 mm 19.7 in
MOMENTS OF INERTIA IXX Iyy Izz	450 kg*m² 450 kg*m² 450 kg*m²

^{*} 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

