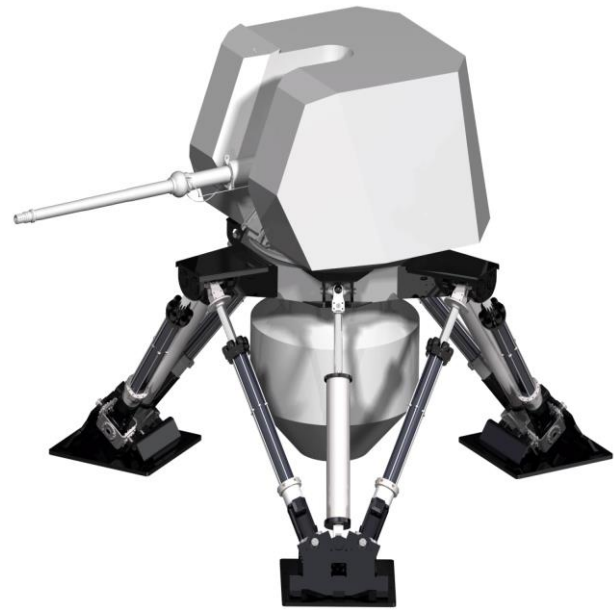


eM6-1000-14000-TT

The eM6-1000-14000-TT is an electric-hydropneumatic six degrees of freedom motion system for testing payloads up to 10.000 Kg (14.000 Kg GML).

The system is designed for use in turret trainers as well as for turret testing.

- high performance system featuring high velocities and accelerations
- reliable and robust
- choice of mechanical interfaces: Integration of tank based turrets and navy based turrets possible



System performance

	Excursions				m	Velocity		Acceleration		
	Single DOF	non- single DOF				m/s	deg/s	peak	continuous sine amplitude	
Surge	-0.80	0.85	-0.91	0.86	m	1.5	m/s	12.5	9.3	m/s ²
Sway	-0.74	0.74	-0.96	0.96	m	1.3	m/s	12.8	9.6	m/s ²
Heave	-0.68	0.76	-0.68	0.76	m	1.3	m/s	18.0	13.5	m/s ²
Roll	-20.7	20.7	-24	24	deg	40	deg/s	350	220	deg/s ²
Pitch	-20.0	20.7	-26.6	27.2	deg	37	deg/s	375	260	deg/s ²
Yaw	-20.0	20.0	-20.0	20.0	deg	37	deg/s	700	440	deg/s ²

Payload specification

Gross Moving Load	14000	kg (including upper triangle)
Payload	10000	kg (excluding upper triangle)
CoG height above MPC(*)	1300	mm
Moments of Inertia	lxx	32100 kg m ²
	lyy	32100 kg m ²
	lzz	30200 kg m ²

CoG: Center of Gravity – MPC: Moving Platform Centroid

Main dimensions

Ground circle diameter	8.5	m
Settled height (floor to top of platform)	2.49	m
System weight	20000	kg

Power requirements

Mains power	3-phase 400-480 VAC +/- 10%, 50/60 Hz
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