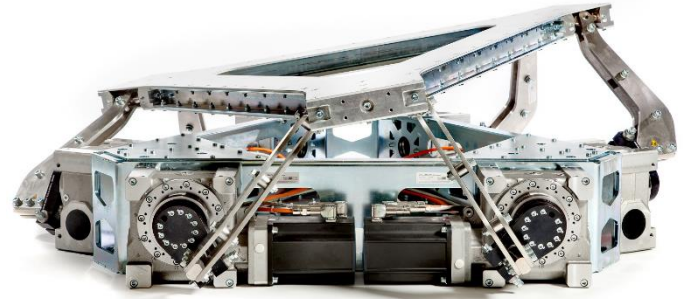


eM6-ROT-1000

The eMove eM6-ROT-1000 is an extremely compact six degrees of freedom electric motion system with rotary actuators, designed for use in mobile simulation systems or facilities with a low ceiling.

Typical applications are mobile vehicle simulators for (racing) cars, mining equipment, etc.. Other applications are entertainment, research and development platforms and test beds.



System performance

	Excursions single DOF			Velocity		Acceleration	
Surge	-0.11	0.12	m	0.66	m/s	6.5	m/s ²
Sway	-0.11	0.11	m	0.66	m/s	6.5	m/s ²
Heave	-0.11	0.12	m	0.45	m/s	6.5	m/s ²
Roll	-9.6	9.6	deg	38	deg/s	250	deg/s ²
Pitch	-9.1	9.3	deg	38	deg/s	250	deg/s ²
Yaw	-9.0	9.0	deg	50	deg/s	400	deg/s ²

Payload specification

Gross Moving Load	1000	kg (payload including upper frame of 200kg)
CoG height above MPC(*)	1000	mm
Moments of Inertia	Ixx	1000 kg m ²
	Iyy	1000 kg m ²
	Izz	1000 kg m ²

CoG: Center of Gravity – MPC: Moving Platform Centroid

Main dimensions

Total width	1.855	m (excluding control cabinet)
Total length	1.654	m (excluding control cabinet)
Settled height (floor to top of platform)	0.385	m (excluding control cabinet)
System weight	550	kg

Power requirements

Mains power	3-phase 380-480 VAC +/- 10%, 50/60 Hz
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