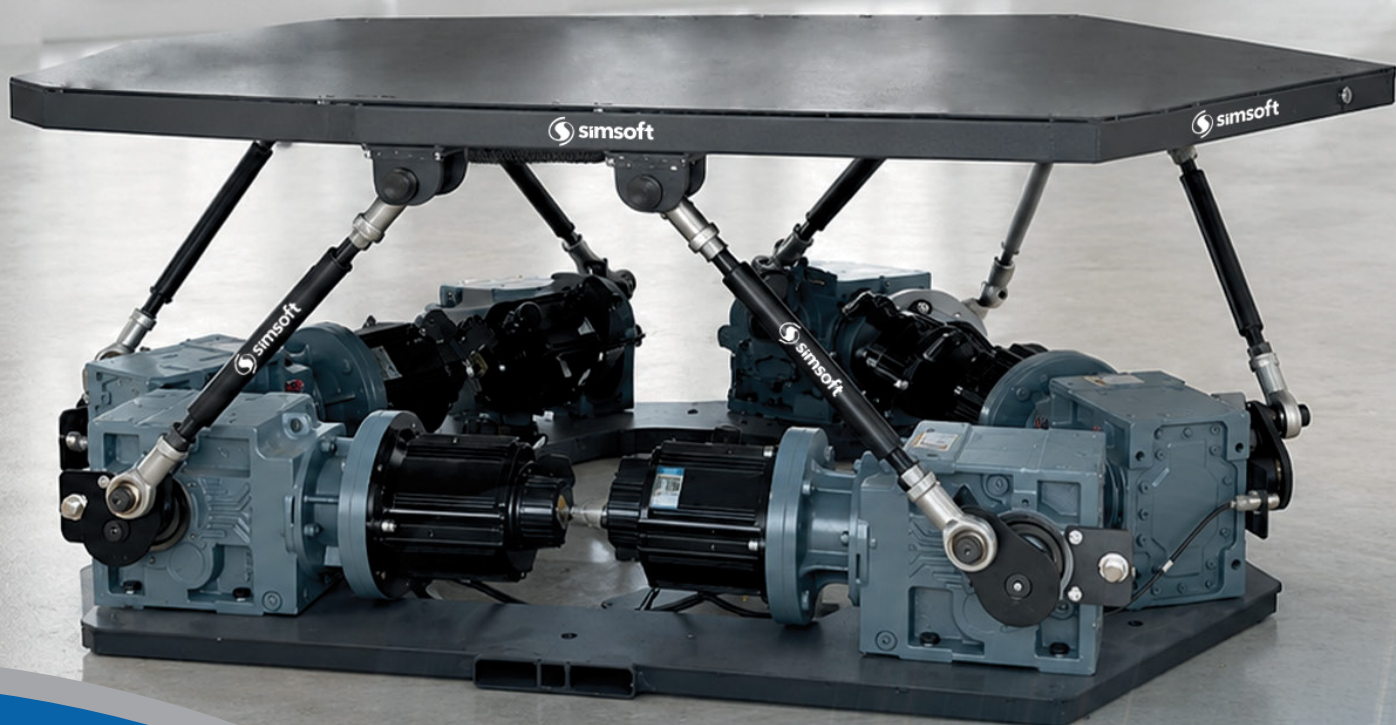




SM6550 ELECTRIC MOTION PLATFORM

Compact Design
Realistic Movement
Maximum Performance



SM6550 ELECTRIC MOTION PLATFORM

Specifically developed for mobile simulation systems and facilities with limited ceiling height, the 6DoF SM6550 Electric Motion Platform delivers high-performance motion through precision electric actuator technology.

Providing fully synchronized motion across six degrees of freedom, the platform creates a highly realistic simulation experience that closely replicates real-world motion.

Combining high dynamic performance, a compact footprint, and low maintenance requirements, the SM6550 is an ideal solution for training, testing, R&D, and entertainment applications.

Key Features

- Payload Capacity: 550 kg
- 6 Degrees of Freedom (6DoF)
- Full control of Heave, Pitch, Roll, Surge, Sway, and Yaw
- Compact, low-profile design
- Optimized for mobile systems and facilities with limited ceiling height
- High torque capability through servo motor and gearbox configuration

- Precise motion control, quiet operation, and high efficiency
- Real-time motion response
- Smooth, fast, and synchronized motion performance
- Low maintenance and high durability
- Robust construction designed for long-term industrial use
- Modular and flexible architecture
- Easy integration with a wide range of simulation systems

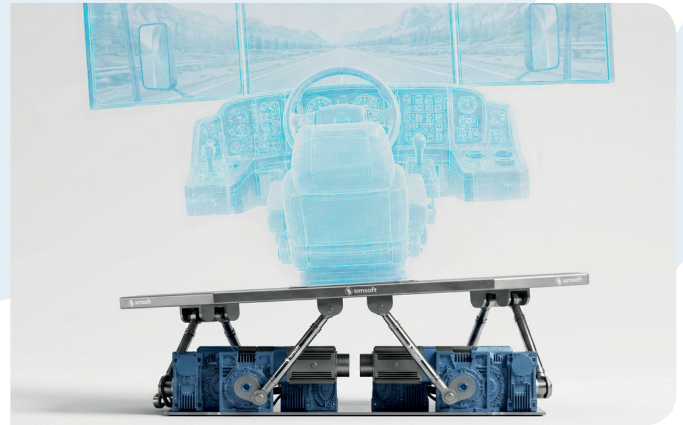
Applications

- Racing and Driving Simulators
- Mining Equipment Simulators
- Defense and Training Systems
- Entertainment and Immersive Experience Systems
- Research & Development Applications
- Testing and Validation Environments

Experience Real Motion

The 6DoF SM6550 Electric Motion Platform combines precision engineering, advanced motion algorithms, and a compact design to deliver a next-generation solution for professional simulation applications.

AXIS	SINGLE EXCURSION	MAX EXCURSION	MAX VELOCITY	MAX ACCELERATION
Pitch	-13.1/12.8°	-17/16.5°	46°/s	380°/s ²
Roll	-14.2/14.2°	-14.9/14.9°	45°/s	400°/s ²
Yaw	-14.6/14.6°	-16.4/16.4°	62°/s	380°/s ²
Heave	-129.5/136.9mm	-129.5/136.9mm	460mm/s	0.4G
Surge	-178/157.2mm	-203/182mm	800mm/s	0.4G
Sway	-152.4/152.4mm	-172/172mm	700mm/s	0.4G



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