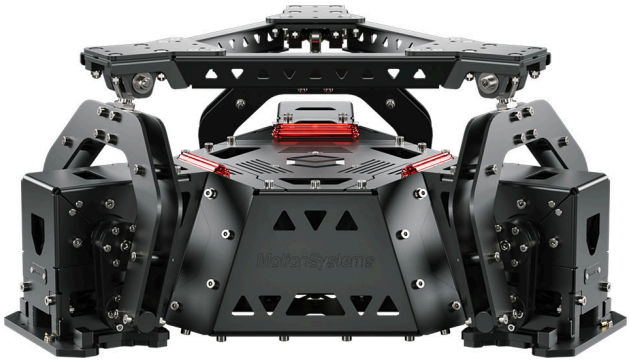
PS-3TM-200

Sized for space-constrained installs - flight-school classrooms, VR-center kiosks, city-driving trainers. Two technicians set it up in a single morning, with no hydraulics to service.

MADE IN POLAND EUROPEAN UNION MEMBER

GLOBAL SHIPPING



0.14 G	230 mm/s	25.1°	180+ mm
MAX ACCELERATION	MAX VELOCITY	MAX TILT	TOTAL HEAVE

Total heave is full travel; other motion figures are per-axis maxima from neutral. Axes are not driven to their extremes simultaneously.

Engineered for professional simulation

Two People Install It in a Morning

A VR center or classroom takes delivery on a standard floor, with no forklift or loading dock, and opens the station that day.

Single-Phase, No Three-Phase Feed

A multi-station operator powers each kiosk from a single-phase industrial socket, with no three-phase panel upgrade, holding every fit-out within budget.

Electric Drive, Nothing to Drain

The operator books commercial sessions back to back without oil supply, leak checks or fluid disposal, so the platform keeps earning.

Three-leg low-profile platform

Three electric rotary actuators each turn a worm gearbox, and pulling rods on ball joints carry that rotation up to the upper frame. The worm drive keeps this among the most compact platforms in the range - a large gear reduction in one small stage, quiet and self-holding, with just the slight play any gear pair carries.

Plug-and-play for supported titles, or full SDK

- **ForceSeatPM** - platform manager, auto-detects supported titles
- **ForceSeatMI/DI SDK** - integrate motion into custom applications
- **ACE Engine** - professional motion-cueing
- **VR HeadWay** - VR motion compensation

AXIS	SINGLE EXCURSION	MAX EXCURSION	MAX VELOCITY	MAX ACCELERATION
Heave	-87.6 / 93.3 mm	-87.6 / 93.3 mm	230 mm/s	0.14 G
Pitch	-18 / 18°	-25.1 / 23.9°	51 °/s	340 °/s²
Roll	-20.9 / 20.9°	-20.8 / 20.8°	53 °/s	330 °/s²

PAYLOAD SPECIFICATIONS	
Payload	200 kg
CoG height above MPC	<500 mm
Moments of inertia (Ixx, Iyy, Izz)	65 kg·m²

MAIN DIMENSIONS	
Total Width	794 mm
Total Length	838 mm
Min Height	392 mm
Max Height	573 mm

SPECIFICATIONS	
Architecture	3 DOF
Drive technology	Worm Geared
Product weight	100 kg

POWER & INSTALLATION	
Supply	230V single-phase (Wye), ground and neutral; industrial CEE connector supplied. For a 120V supply, contact Technical Support.
Circuit protection	16A type C circuit breaker.
EMC configuration	Runs on a standard RCD/GFCI-protected circuit.
Grounding	High leakage current - permanent solid protective earth, fitted by a qualified electrician.
Installation	Single-phase install by a qualified electrician; full detail in the manual.
Connection	USB or Ethernet

POWER DRAW	
Average power	1.3 kVA
Peak power	2.2 kVA
Average current	6 A
Peak current	12 A
Avg power - stress test	0.7 kW
Avg power - typical game	0.3 kW

What's in the Box.

HARDWARE

- **PS-3TM-200**
  A low-profile three-actuator tripod on worm-geared servos. Self-locking, so it holds position on a power loss.
- **PS-SB230 Cabinet**
  Power and control - AC/DC protection and controller, fed from a dedicated 230V single-phase industrial CEE socket. For a 120V supply, contact Technical Support. The controller connects to the host PC over USB or Ethernet.
- **Inverter Cabinets (QI12 + QI3)**
  PS-SB230-QI12 and PS-SB230-QI3 - two rack cabinets that hold the motor inverters, chained from the PS-SB230 and wired to the platform. The power set ships as three rack cabinets in all.
- **PS-SBR Remote + E-Stop**
  The PS-SBR remote (E-STOP, KNEEL, POWER LOCK) and PS-SBEC stop button - the hardware safety chain to park or stop motion. The keyed POWER LOCK keeps arming with the operator; the 3 m PS-SBEC lead adds a stop within reach.
- **Electromagnetic Brakes**
  One safety brake per actuator - engages on power loss and holds the load. A fail-safe, standard here.
- **Cable Set**
  Mains, USB to the host PC, and the PS-SBR remote and EMCY safety leads - wired together as delivered.
- **Packing & Handling**
  Ships factory-assembled and calibrated in a forklift-ready crate - the integrator unpacks and installs, with no on-site build.

MotionSystems

SOFTWARE & LICENSES

- **ForceSeatPM**
  Auto-detects 154+ supported games with pre-tuned profiles. Included free, with free software updates.
- **Sim Profiles**
  Pre-tuned motion profiles for the popular sims and games, so the first session already feels right.
- **ACE**
  The motion cueing engine that turns simulator telemetry into felt acceleration - the sharp onset of a bend or brake on the platform, with sustained forces held by coordinated tilt rather than a crude static roll.
- **VR HeadWay**
  VR motion compensation that cancels the platform's own movement from the headset, so the view stays stable and motion sickness stays low. Included free.
- **Docs & 3D Model**
  Full documentation and a simplified 3D STP model, plus the EC Declaration of Incorporation (2006/42/EC) for partly completed machinery - the platform is integrated into a final machine on site.
- **24-Mo Warranty**
  A 24-month warranty on the hardware and motion electronics, with free software updates throughout.

OPTIONAL SOFTWARE AND SERVICES

ForceSeatMI - Motion SDK
Motion SDK to drive the platform from custom software on top of ForceSeatPM. Licensed per motion platform, with the key stored on the PC.

ForceSeatDI - Direct Interface SDK
Low-level SDK that drives the hardware directly, without ForceSeatPM - each platform driven independently, on Windows, Linux or Raspberry Pi. Licensed per platform, with the key stored on the motion controller.

Remote Training (online)
Six-hour online session - overview, safety, operation, maintenance, ForceSeatPM setup, diagnostics and tuning. Per session.

VR HeadWay CrossPC
A paid VR add-on, licensed separately from the base VR HeadWay. One CrossPC license covers exactly two VR users on a shared platform - each seat has its own rendering PC and geometry-correct compensation (for example pilot and copilot). More seats need an additional license.

Motion Theater
Plays pre-authored motion with video or group sessions - for theaters, attractions and briefings, not live sim. Per platform.

More Options
Profile packs, installation, reports, extended warranty and bespoke development - talk to the Motion Systems team to tailor it.

MOTION SYSTEMS

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PRODUCT

RESOURCES

All platforms
Knowledge Hub
Buyer's Guide