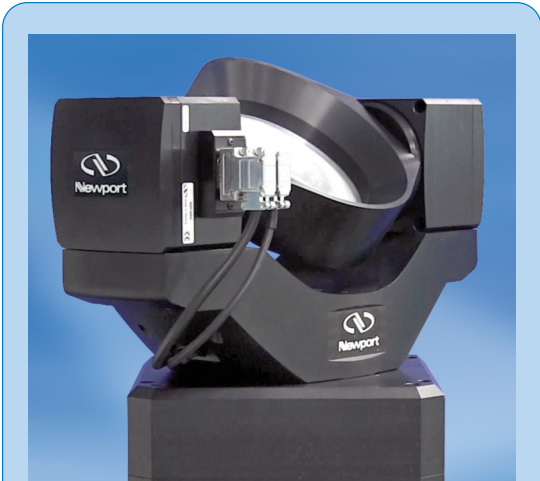


HIGH PRECISION MOTION SIMULATOR

RGV HIGH SPEED ROTATION STAGES



High speed 2-axis motion simulator using RGV series for MEMS-based inertial sensors testing.

- High Precision
- Robust
- Easy programming and control
- Configurable to your needs

Unit Under Test Capability

Mass	10 kg
Envelope	10" x Ø 10" (254 x Ø 254 mm)
Slip ring to UUT	Customer definable

Leveraging Newport's expertise in high-precision stages and motion control, we now offer motion simulators for the accurate calibration and testing of Inertial Guidance Sensors or MEMS devices, whether in a research setting or in a production environment.

Newport's standard Direct Drive Rotation stages are high dynamic performance rotation stages and are optimized to address high throughput needs. The design leverages over 50 years of expertise in supplying motion control equipment to various industries that demand high precision motion.

Complementing the robust rotary stages is the XPS Universal Controller, a powerful and feature-rich controller with integrated drivers, making it very easy to configure, use and program. Multiple digital and analog I/O's, triggers and synchronization make the XPS more than suitable in motion simulator applications.

Controller

- Integrated controller and driver for minimal setup
- Ethernet Communication Interface for remote monitoring of process
- TCL scripting for real time execution of programs
- Multiple Digital and Analog I/O's
- Interlock for safety

Options

- Slip rings
- Brakes

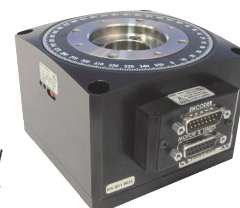
Call us for your Motion Simulator or Test and Calibration needs!

General Simulator Specifications

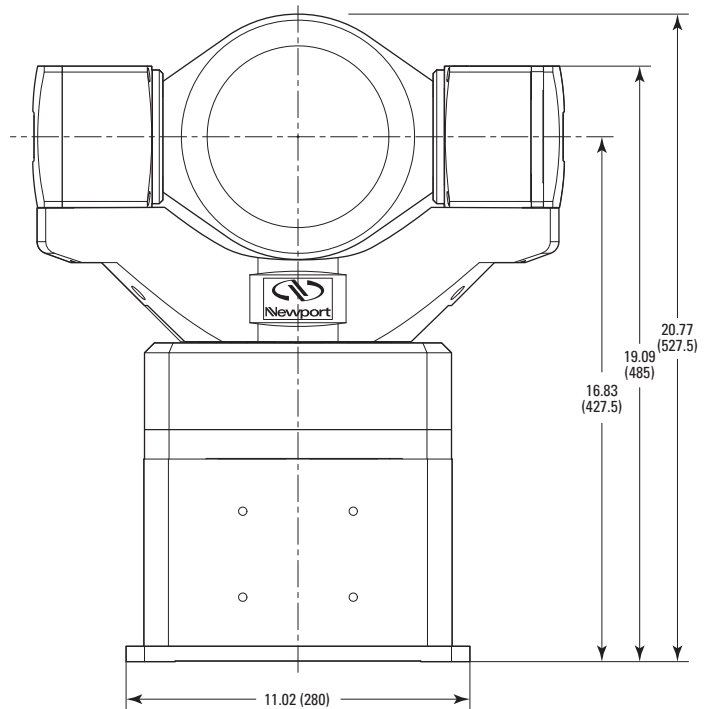
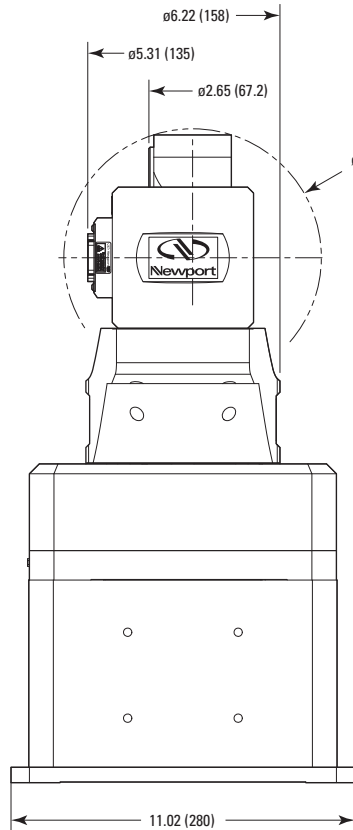
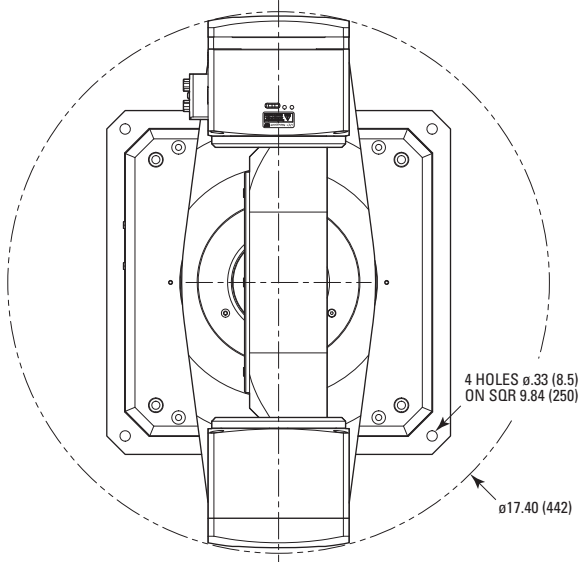
	Elevation	Azimuth
Travel Range (°)	Programmable Range or Continuous	
MIM (°)	0.0001	0.00004
Accuracy (°)	0.01	
Repeatability (°)	0.0004	0.0003
Max. Rate (°/s)	720	960
Max. Acceleration (°/s ²)	5000	7000



RGV100HL High-speed precision rotation stage.



Dimensions



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Newport Corporation, Irvine, California and Franklin, Massachusetts; Evry and Beaune-La-Rolande, France and Wuxi, China have all been certified compliant with ISO 9001 by the British Standards Institution. Santa Clara, California is DNV certified.