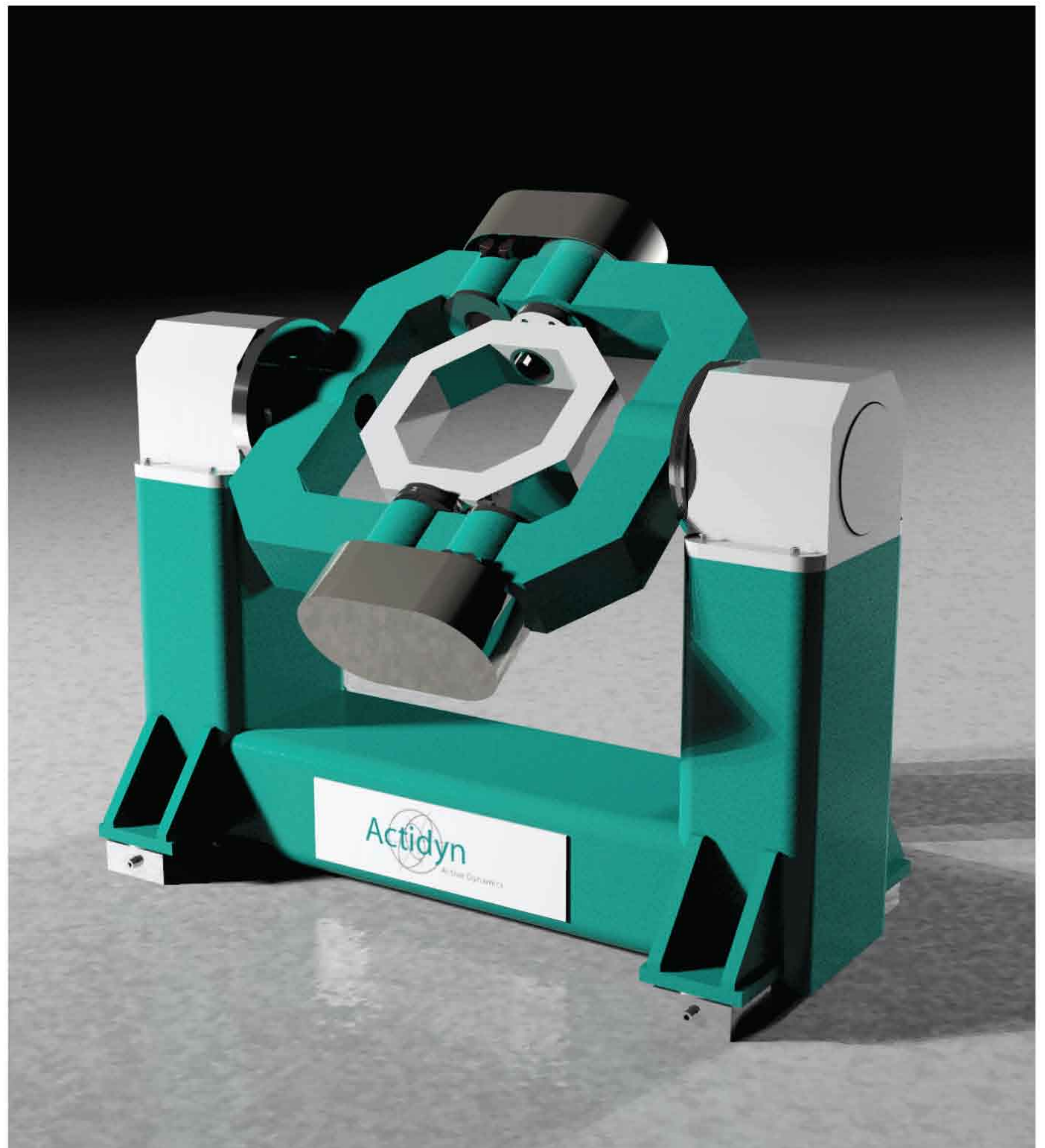


**ST 2500 SERIE**

**DUAL AXIS MOTION SIMULATOR**

**Options:**

- **Temperature chamber:**  
- 55°C to +185°C
- **Vacuum and climatic chamber:** 1.10<sup>-6</sup> Torr
- **Customized electrical slip-rings**
- **Optical fiber rotary joint and Ethernet network**
- **Fluid rotary joints**



The dual axis table serie ST 2500 is a high accuracy position rate system designed for the test and calibration of gyros, accelerometers and inertial guidance systems.

Its brushless technology allows for large servo bandwidth and high dynamic response also does minimize maintenance cost.

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# ST 2523B

# SPECIFICATION

	Inner axis	Outer axis	Units
<b>Payload</b>			
Mass (max)	10 (40)		kg
Diameter	250		mm
Height	350		mm
<b>Geometry</b>			
Wobble	± 1	± 1	Arc second
Othogonality		2	Arc second
Rotation	± 365	± 365	
<b>Position</b>			
Accuracy	± 1	± 1	Arc second
Command Increment	0.5	0.5	Arc second
Repeatability	± 0.2	± 0.2	Arc second
<b>Rate</b>			
Range	± 100	± 100	°/s
Accuracy	± 0.1	± 0.1	%
Command increment	0.1	0.1	°/s
Stability			%
Over 360°	N.S	N.S	%
Over 10°	N.S	N.S	%
Over 1°	N.S	N.S	%
<b>Dynamic</b>			
Peak torque	38	89	Nm
Nominal torque	8	19	Nm
Inertia (no load)	5	15	m <sup>2</sup> kg
No load Peak acceleration	400	150	°/s <sup>2</sup>
Servo bandwidth	N.S	N.S	Hz

**Electrical slip-rings**

Alternative optional configuration on demand

**Computer Interfaces**

RS232; IEEE 488, Ethernet, High speed Scramnet

**ACTIDYN SYSTEMES ALSO MANUFACTURES THESE EQUIPMENTS TO BETTER SERVE YOU**

