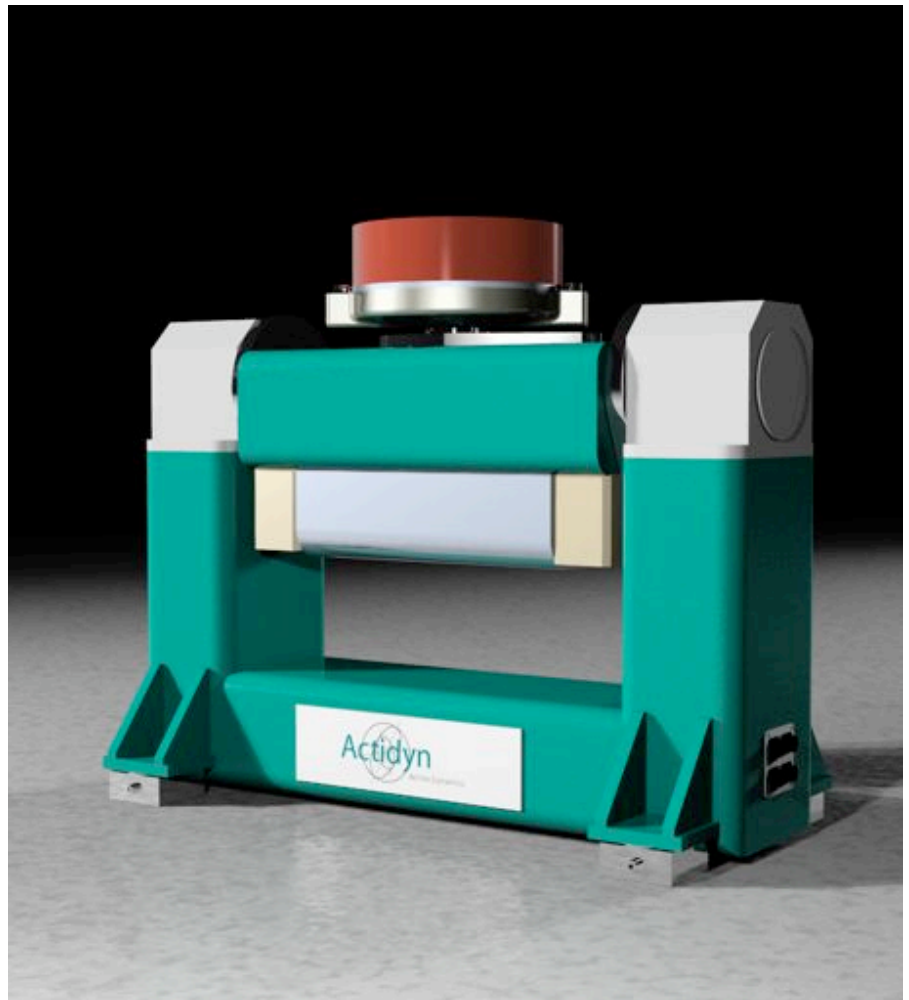


## ST 2100 SERIE

## 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**
- **Low cost version (ST 2126B)**



The dual axis table series ST 2100 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.

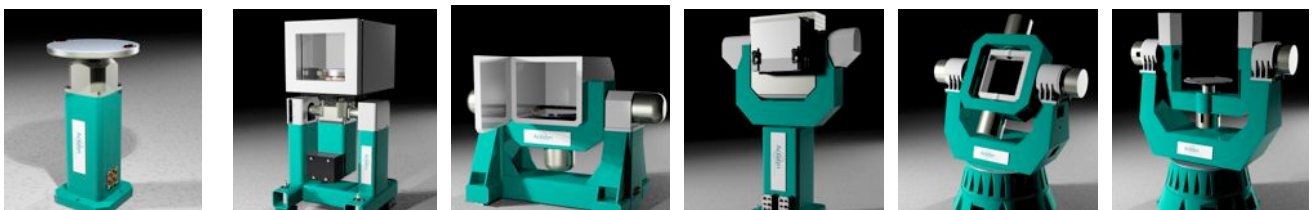
## ST 2100 SERIE SPECIFICATION

	ST 2126B		ST 2154		Units
	Inner Axis	Outer Axis	Inner Axis	Outer Axis	
<b>Payload</b>					
Mass (max)	40 (100)		30 (50)		kg
Diameter	600		400		mm
Height	350		300		mm
<b>Geometry</b>					
Table top diameter	600		400		mm
Wobble	± 2	± 4	± 1	± 2	Arc second
Orthogonality		± 5		± 3	Arc second
Rotation	± 365	± 365	continuous	continuous	
<b>Position</b>					
Accuracy	± 8	± 8	± 1	± 1	Arc second
Command Increment	± 1	± 1	± 1	± 1	Arc second
Repeatability	± 1	± 1	± 0.2	± 0.2	Arc second
<b>Rate</b>					
Range	± 100	± 100	± 2000	± 300	°/s
Accuracy	± 0.1	± 0.1	± 0.001	± 0.001	%
Command increment	0.1	0.1	0.00001	0.00001	°/s
Stability					%
Over 360°	N.S	N.S	0.0001	0.0001	%
Over 10°			0.001	0.001	%
Over 1°			0.05	0.05	%
<b>Dynamic</b>					
Peak torque	38	38	89	309	Nm
Nominal torque	8	8	19	65	Nm
Inertia (no load)	0.80	5	0.19	0.2	m2kg
No load Peak acceleration	2800	500	26800	2000	°/s <sup>2</sup>
Servo bandwidth	N.S	N.S	> 50	> 30	Hz
<b>Electrical slip-rings</b>					
Alternative optional configuration on demand	Twisted cables		30 Channels 2A		

### Computer Interfaces

RS232; IEEE 488, Ethernet, High speed Scramnet

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



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Design and specification subject to change without notice

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