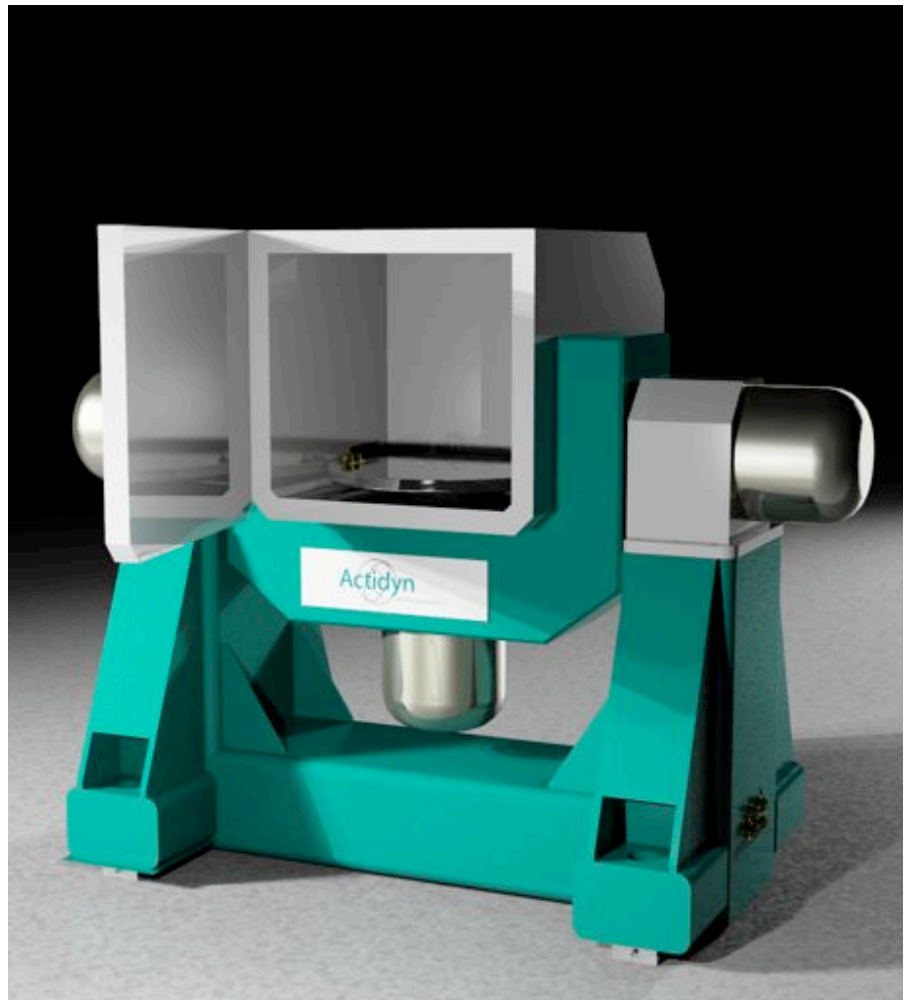


ST 2300 SERIE

DUAL AXIS MOTION SIMULATOR

Options:

- **Temperature chamber:**
- 55°C to +185°C
- **Vacuum and climatic chamber:** 1.10⁻⁶ Torr
- **Customized electrical slip-rings**
- **Optical fiber rotary joint and Ethernet network**
- **Fluid rotary joints**
- **Low cost version (ST 2356BC)**



The dual axis table series ST 2356 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 2300 SERIE SPECIFICATION

	ST 2356C		ST 2356BC		Units
	Inner Axis	Outer Axis	Inner Axis	Outer Axis	
Payload					
Mass (max)	40 (120)		40 (120)		kg
Diameter	600		600		mm
Height	540		540		mm
Geometry					
Table top diameter	600		600		mm
Wobble	± 1	± 2	± 2	± 3	Arc second
Orthogonality		± 2		± 2	Arc second
Rotation	continuous	continuous	± 365	± 365	
Position					
Accuracy	± 1	± 1	± 5	± 5	Arc second
Command Increment	± 0.036	± 0.036	± 0.036	± 0.036	Arc second
Repeatability	± 0.2	± 0.2	± 1	± 1	Arc second
Rate					
Range	± 1200	± 600	± 100	± 100	°/s
Accuracy	± 0.001	± 0.001	± 0.1	± 0.5	%
Command increment	0.00001	0.00001	0.01	0.01	°/s
Stability					%
Over 360°	0.0001	0.0001	N.S	N.S	%
Over 10°	0.005	0.005			%
Over 1°	0.05	0.05			%
Dynamic					
Peak torque	89	350	38	200	Nm
Nominal torque	19.6	80	8.6	45	Nm
Inertia (no load)	1.3	92	1.3	92	m ² kg
No load Peak acceleration	6500	2000	2800	1000	°/s ²
Servo bandwidth	> 50	> 30	> 20	> 10	Hz

Electrical slip-rings

Alternative optional configuration on demand 96 Channels 2A+14 channels 10 A

Computer Interfaces

RS232; IEEE 488, Ethernet, High speed Scramnet

Climatic chamber

Range	-55 to +85	-55 to +85	°C
Rate	2	2	°C/mn
Accuracy	1	1	°C

