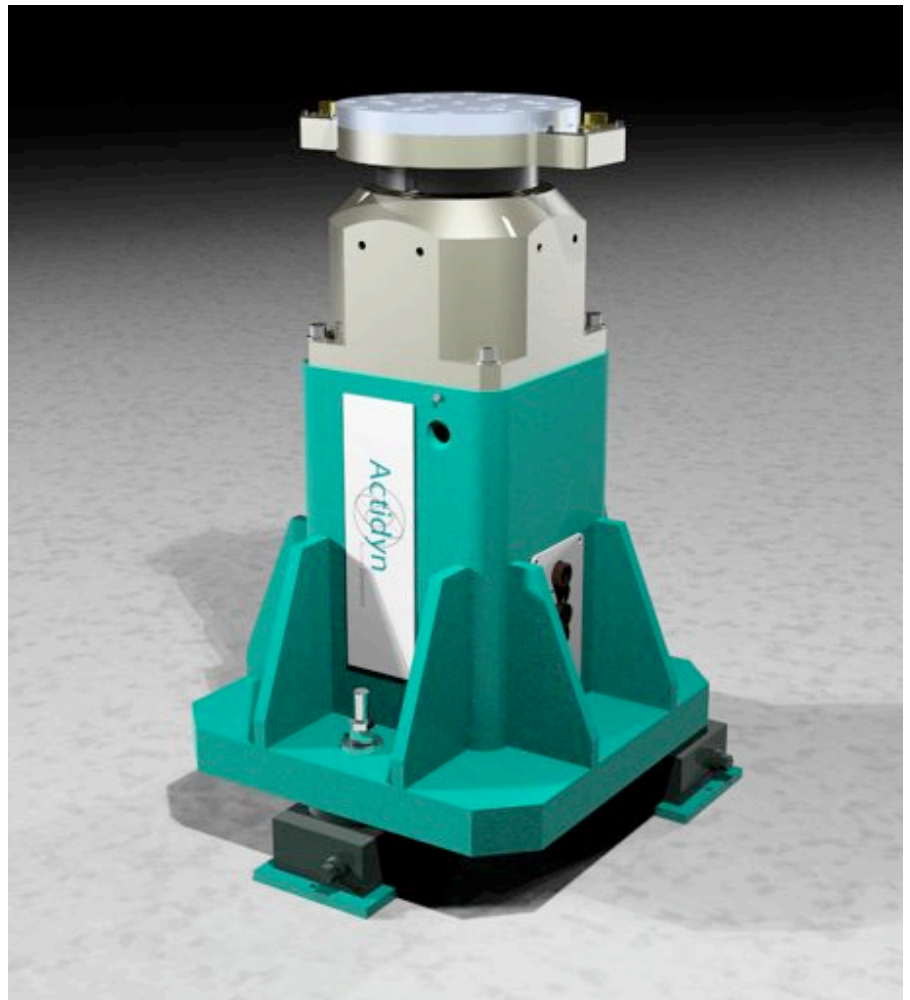


## ST 1100 SERIE

## SINGLE AXIS MOTION AND RATE TABLE

### 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 single axis table series ST 1100 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 1100 SERIE SPECIFICATION

	ST 1112	ST 1114	ST 1144	ST 1194	ST 1196	Units
<b>Payload</b>						
Mass (max)	40	40 (70)	40 (70)	70 (100)	70 (100)	kg
Diameter	200	400	400	400	600	mm
Height	200	540	540	540	540	mm
<b>Geometry</b>						
Table top diameter	200	400	400	400	600	mm
Wobble	± 1	± 1	± 1	± 1	± 1	Arc second
Rotation (limited rotation optional)	continuous	continuous	continuous	continuous	continuous	
<b>Position</b>						
Accuracy	± 1	± 1	± 1	± 1	± 1	Arc second
Command Increment	0.036	0.036	0.036	0.036	0.036	Arc second
Repeatability	± 0.2	± 0.2	± 0.2	± 0.2	± 0.2	Arc second
<b>Rate</b>						
Range	± 2000	± 2000	± 2000	± 2000	± 2000	°/s
Accuracy	± 0.001	± 0.001	± 0.001	± 0.001	± 0.001	%
Command increment	0.00001	0.00001	0.00001	0.00001	0.00001	°/s
Stability						%
Over 360°	0.0001	0.0001	0.0001	0.0001	0.0001	%
Over 10°	0.001	0.001	0.001	0.001	0.001	%
Over 1°	0.05	0.05	0.05	0.05	0.05	%
<b>Dynamic</b>						
Peak torque	38	38	89	309	309	Nm
Nominal torque	8	8	19	65	65	Nm
Inertia (no load)	0.15	0.19	0.19	0.2	0.75	m2kg
No load Peak acceleration	14000	11700	26800	70000	23000	°/s <sup>2</sup>
Servo bandwidth	> 50	> 50	> 50	> 50	> 50	Hz

### Electrical slip-rings

Alternative optional configuration on demand

30 Channels 2A

### Computer Interfaces

RS232; IEEE 488, Ethernet, High speed Scramnet

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

