

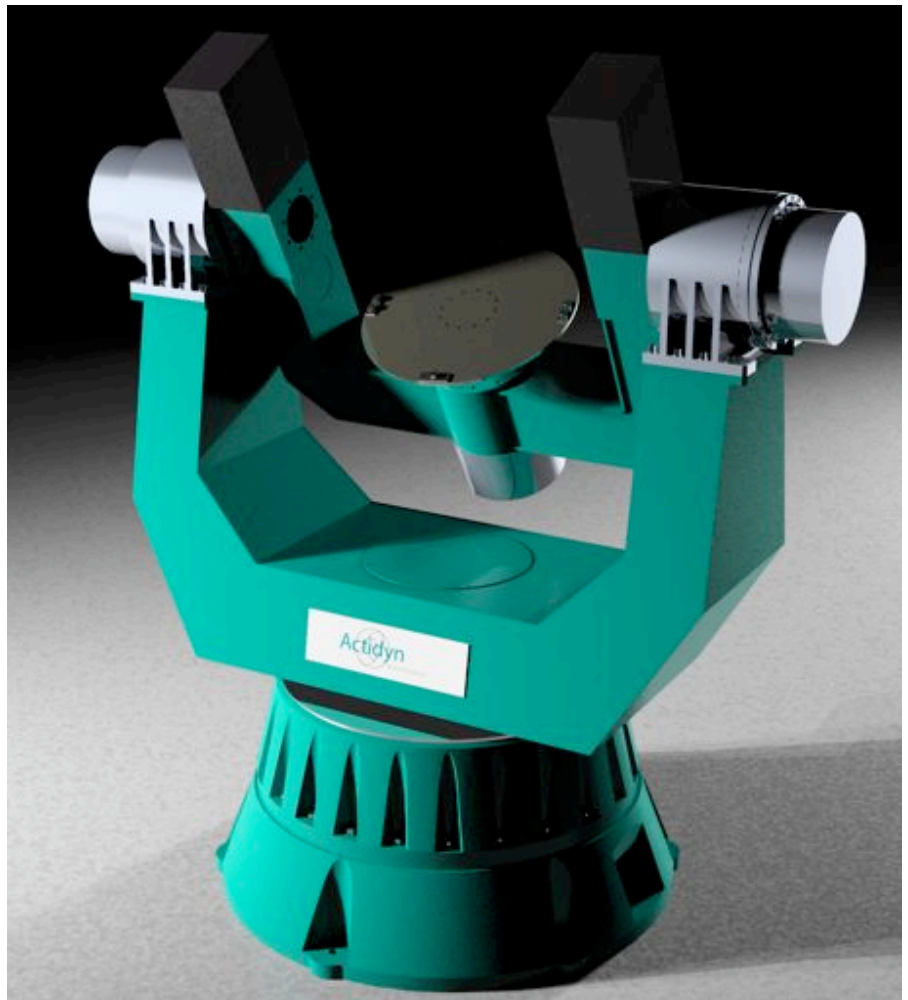
ST 3300 SERIE

THREE AXIS MOTION SIMULATOR

- Brushless motors all axis
- Original heavy duty base
- Proprietary base design
- Reverse cantilever axis
- No limited resolution optical encoders
- Very high speed computer interfaces

Options:

- Temperature chamber:
- 55°C to +185°C
- Vacuum and climatic chamber: 1.10^{-6} Torr
- Customized electrical slip-rings
- Optical fiber rotary joint



The three axis table series ST 3300 is a high accuracy position and rate system designed for the test and calibration of high performances inertial guidance systems, combined technology guidance equipments, inertial grade sensors.

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

ST3357

SPECIFICATION

	Inner Axis	Middle axis	Outer Axis	Units
Payload				
Mass	60			kg
Diameter	600			mm
Height	400			mm
Geometry				
Table top	640			mm
Wobble	± 2	± 5	± 1	Arc second
Orthogonality		2		Arc second
Intersection		1		mm
Rotation	continuous	continuous	continuous	
Position				
Accuracy	± 1	± 1	± 1	Arc second
Command Increment	0.036	0.036	0.036	Arc second
Repeatability	± 0.2	± 0.2	± 0.2	Arc second
Rate				
Range	± 1500	± 600	± 600	°/s
Accuracy	± 0.001	± 0.001	± 0.001	%
Command increment	0.00001	0.00001	0.00001	°/s
Stability				%
Over 360°	0.0001	0.0001	0.0001	%
Over 10°	0.001	0.001	0.001	%
Over 1°	0.05	0.05	0.05	%
Dynamic				
Peak torque	1250	4200	13000	Nm
Nominal torque	320	1000	3500	Nm
Inertia (no load)	1.1	150	800	m2kg
No load Peak acceleration	60000	1000	1000	°/s ²
Servo bandwidth	40	20	20	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			

ACTIDYN SYSTEMES ALSO MANUFACTURES THESE EQUIPMENTS TO BETTER SERVE YOU

