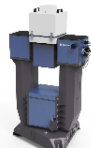


Three Axis Motion Simulator Series

Reference: Standard Series

MODEL	TES-UIT- V_422-3	TES-UIT- V_433-3	TES-UIT- V_433-3-TA	TES-UIT- V_644-7	TES-UUT- V_644-7	TES-UUT- V_644-7-TG	TES-UOO- V_642-5	TES-UOO- V_642-5-TG	TES-UIT- V_855-7	
										
Specifications*										
Description	Three axis high speed motion simulator	Compact three axis motion simulator	Compact three axis motion simulator with temp. chamber.	Three axis motion simulator.	Three axis motion simulator with a gimbal.	Three axis motion simulator with a gimbal and temp. chamber.	Three axis motion simulator with an o-shaped payload interface frame.	Three axis motion simulator with an o-shaped payload interface and temp. chamber.	Large high dynamic three axis motion simulator.	
Nominal Load	5kg	20kg	20kg	30kg	30kg	30kg	40kg	20kg	30kg	
Tabletop Dimension	Ø300mm			Ø660mm			400x400x400 mm	400x400x300m m	Ø660mm	
Position Accur.	All Axis	≤± 1 arcsec RSS or ≤± 3 arcsec PP								
Position Range	All Axis	±(0.00000 to 359.99999) deg unlimited rotation								
Rate Stability†	All Axis	≤1ppm								
Rate Range	Inner Axis	±(0.00001 to 10'000) deg/s			±(0.00001 to 1'000) deg/s					
	Middle Axis	±(0.00001 to 1'000) deg/s								
	Outer Axis	±(0.00001 to 600) deg/s	±(0.00001 to 360) deg/s							
Acceleration ^Δ	Inner Axis	≥ 10'000 deg/s ²			≥ 5'000 deg/s ²				≥ 10'000 deg/s ²	
	Middle Axis	≥ 10'000 deg/s ²	≥ 500 deg/s ²		≥ 200 deg/s ²				≥ 3'500 deg/s ²	
	Outer Axis	≥ 1'200 deg/s ²	≥ 300 deg/s ²		≥ 200 deg/s ²			≥ 300 deg/s ²	≥ 200 deg/s ²	≥ 2'500 deg/s ²
Wobble	All Axis	≤± 1 arcsec RSS or ≤± 3 arcsec PP								
Sliprings	2 x 5A (S) 240VDC 12 x 2A (S) 150VDC 12 x 2A (TP) 150VDC			4 x 10A (SS) 400VDC 24 x 2A (SS) 150VDC 30 x 2A (TSP) 150VDC						
Temperature Range	--	---	-60°C to 100°C	--	--	-55°C to 100°C	--	-40°C to 80°C	--	
Temperature Gradient†	--	--	Heat: ≥ 3°C/min Cool: ≤ -3°C/min	--	--	Heat: ≥ 3°C/min Cool: ≤ -3°C/min	--	Heat: ≥ 3°C/min Cool: ≤ -3°C/min	--	
Interface	Advanced Control System (ACS)									
User Software	Drico Motion Studio (DMS) or Drico Device Interface (DDI), LabView Driver (optional)									
Options	- Custom slipring, - Custom tabletop, - Slow motion clamp, - Mechanical brake, - Stow lock, - On-site installation, -safety fence									

*All given specifications are maximum values

^Δ These specifications are measured without payload

†Between **min+10%** and **max-10%** of temperature range (IEC 60068-3-5:2001)

* Over a full rotation of 360 degree