
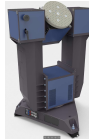

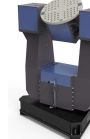


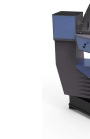




Three Axis Motion Simulator Series



MODEL	TES-UIT-V_422-3	TES-UIT-V_433-3	TES-UIT-V_433-3-TG	TES-UIT-V_644-7	TES-UUT-V_644-7	TES-UUT-V_644-7-TG	TES-U00-V_642-5	TES-U00-V_642-5-TG	TES-UIT-V_855-7	
Specifications*										
Description	Three axis high speed motion simulator with 300 & 400mm module sizes	Three axis motion simulator with 300 & 400mm module sizes	Three axis motion simulator with 300 & 400mm module sizes and temperature chamber	Three axis motion simulator with 400 & 600mm module sizes	Three axis gimbal motion simulator with 400 & 600mm module sizes	Three axis gimbal motion simulator with 400 & 600mm module sizes and temperature chamber	Three axis motion simulator with 200, 400 & 600mm module sizes and an open inner axis frame	Three axis motion simulator with 200, 400 & 600mm module sizes, an open inner axis and temperature chamber	Three axis high dynamic gimbal motion simulator with 500 & 800mm module sizes	
Nominal Load	5kg	20kg	20kg	30kg	30kg	30kg	40kg	20kg	30kg	
Tabletop Dimension	Ø300mm		Ø280mm	Ø660mm			400x400x400mm	400x400x300mm	Ø660mm	
Position Accuracy	Inner Axis $\leq \pm 1$ arcsec RSS or $\leq \pm 3$ arcsec PP									
	Middle Axis $\leq \pm 1$ arcsec RSS or $\leq \pm 3$ arcsec PP									
	Outer Axis $\leq \pm 1$ arcsec RSS or $\leq \pm 3$ arcsec PP									
Position Range	All Axis $\pm(0.00000$ to $359.99999)$ deg unlimited rotation									
Rate Stability†	All Axis ≤ 1 ppm									
Rate Range	Inner Axis $\pm(0.00001$ to $10'000)$ deg/s			Middle Axis $\pm(0.00001$ to $1'000)$ deg/s						Outer Axis $\pm(0.00001$ to $1'000)$ deg/s
	Outer Axis $\pm(0.00001$ to $600)$ deg/s		Outer Axis $\pm(0.00001$ to $360)$ deg/s							
Acceleration^Δ	Inner Axis $\geq 10'000$ deg/s ²		Middle Axis $\geq 10'000$ deg/s ²			Outer Axis $\geq 10'000$ deg/s ²		Outer Axis $\geq 5'000$ deg/s ²		Outer Axis $\geq 10'000$ deg/s ²
	Middle Axis $\geq 10'000$ deg/s ²		Middle Axis ≥ 500 deg/s ²			Outer Axis ≥ 200 deg/s ²		Outer Axis ≥ 200 deg/s ²		Outer Axis $\geq 3'500$ deg/s ²
	Outer Axis $\geq 1'200$ deg/s ²		Outer Axis ≥ 300 deg/s ²			Outer Axis ≥ 200 deg/s ²		Outer Axis ≥ 300 deg/s ²		Outer Axis ≥ 200 deg/s ²
Wobble	Inner Axis $\leq \pm 1$ arcsec RSS or $\leq \pm 3$ arcsec PP									
	Middle Axis $\leq \pm 1$ arcsec RSS or $\leq \pm 3$ arcsec PP									
	Outer Axis $\leq \pm 1$ arcsec RSS or $\leq \pm 3$ 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: $\geq 3^\circ\text{C}/\text{min}$ Cool: $\leq -3^\circ\text{C}/\text{min}$	--	Heat: $\geq 3^\circ\text{C}/\text{min}$ Cool: $\leq -3^\circ\text{C}/\text{min}$	--	Heat: $\geq 3^\circ\text{C}/\text{min}$ Cool: $\leq -3^\circ\text{C}/\text{min}$	--	
Interface	Acuitas Control System (ACS)									
User Software Options	Acuitas Motion Studio (AMS) or Acuitas Device Interface (ADI), LabView Driver (optional)									
Model Options	- Custom slipring, - Custom tabletop, - Slow motion clamp, - Mechanical brake, - Stow lock, - On-site installation, - Customer acceptance test (CAT) at Acuitas, - ADI High speed licence									
	--	--	- CO2 manifold	--	--	--	--	--	--	

*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

