

ACTIVE SHOCK RESISTANT / ANTI-VIBRATION TABLE WITH AUTO LEVELLING PNEUMATIC ANTI-VIBRATION MOUNTS

Anti-Vibration Table Auto-Levelling Pneumatic Mounts Series DIT-AL



Dynemech Anti Vibration Tables Series DIT AL are ideal for Testing / Quality Laboratories where there is need for vibration control from low frequency vibration as well as requirement of active levelling system for maintaining surface plate Levelling. The vibrations are isolated using Pneumatic Air Mounts fitted with sophisticated height sensing levelling valves. These Anti Vibration Tables have a Granite Surface Plate with Grade 00/ Grade 1 accuracy for very precise measuring accuracies. The system detects movement of load (like moving arm of CMM machine) on the surface plate and automatically fills/exhausts air to keep the surface plate levelled. The passive vibrations from nearby high dynamic machines and other heavy machinery is reduced by 90-95%. Continuous air supply of up to 6 bar is required.

APPLICATIONS: The Vibration Isolated Table (VIT) finds usage in critical areas where precise reading accuracy of instruments like CMMs, Robotic Arms, Balances, Galvanometers, Electronic Microscopes and Atomic Absorption Spectrophotometers etc. is required.

With this specialized design, we obtain a very precise and highly Shock Resistant Anti-Vibration Table.

Model	Length (mm)	Width (mm)	Height (mm)	Surface Plate Thickness (mm)	Table Load Capacity (Kg)	Natural Frequency at Max. Load (Hz)	Levelling Repeatability (mm)
DIT AL/01	500	500	800 1000	80	up to 400	4.6	±0.15
DIT AL/01/s1	630	630	800 1000	80	up to 400	4.6	±0.15
DIT AL/02	750	500	800 1000	80	up to 500	4.6	±0.15
DIT AL/03	900	600	800 1000	100	up to 1250	4.6	±0.15
DIT AL/04	1000	800	800 1000	150	up to 1250	4.6	±0.15

* Special table sizes and designs can also be ordered as per client's requirement

Mitutoyo Roundness Tester RA 2200 with LC-0.13nm installed on Anti-Vibration Table



Mitutoyo Roundtest RA 1600 installed on Dynemech Anti Vibration Table DIT-AL-02



Mitutoyo Contracer CV-3200 installed on Dynemech Anti Vibration Table DIT-AL-02

