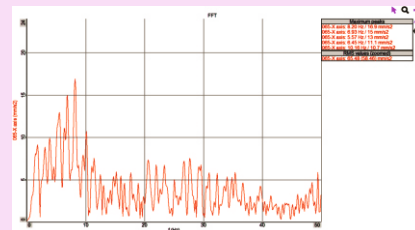


Before Installing of Dynemech  
Antivibration Table



After Installing of Dynemech  
Antivibration Table



Dynemech Anti-Vibration Table **Series DIT-AM-SFG** is suitable for all types of measuring and testing equipment used in the labs and clean rooms. The body of the table is made from low carbon steel powder coated outer frame provide sturdiness to the structure of the table. The natural frequency of this table is in the range of 1-1.5 Hz which damps out most of the vibrations above 3 Hz. These tables have a levelling adjustable leg. The first stage levelling is done by rotating the nut, the level of the granite top can be maintained using precision spirit level/electronic level gauge. The top is made from a heavy granite slab which ensures rigidity and keeps the system stable and ensures lower natural frequency and high damping efficiency. The flatness accuracy of these granites is of grade '0' or '00' depending upon the application. The top surface of the granite slab is velvet finish to ensure smooth and lustrous finish. The frame of the table is made from the Nonmagnetic SS grade SS304. Lustrous finish is provided to the frame by fine abrasion polishing. The vibration isolation is achieved at 2 stages. The first stage is in the legs where the anti-vibration pads are assembled in the levelling leg which damps medium to high frequency vibrations. The second level of vibration isolation is achieved by the membrane air springs which isolates a wide low to high frequency range of the incoming vibrations. Optional sturdy castor wheels are also provided for heavy versions for easy relocation of the table. Keyboard, CPU and monitor stands. Drawers and cabinets can also be accommodated in these tables as per the application requirements. Continuous air supply is needed to compensate the level difference using self levelling mechanical sensors for any load changes on top of the granite top. These mechanical sensors add air in the air springs if the load is added or remove air if the load is reduced from the table top. These tables undergo a modern manufacturing process and rigorous testing before being supplied to customers. The entire process is carried out in our dedicated in-house facility. The levelling accuracies are 0.01mm/m and 0.1mm/m.

**Application :** The Vibration Isolated Table (VIT) is essential in precision weighing instruments, such as microbalances, and is extensively used in laboratories and cleanrooms for delicate experiments and equipment that require minimal interference from vibrations and magnetic fields like microbalance workstations, mass spectrometers, and optical experiments. The VIT is indispensable in critical areas where the reading accuracy of instruments like High Precision Weighing Balances, Galvanometers, Electronic Microscopes, TGA, Digital Hardness Testers , Surface Roughness Testers, Atomic Absorption Spectrophotometers is affected by vibrations. The inertness the stainless steel body makes it ideal for the pharmaceutical, food and beverage, and chemical industries, as well as in semiconductor manufacturing and R&D.

Sl. No.	Model	Load (Kg.)	Length (mm)	Width (mm)	Height at mean position (mm)	Granite Table Top Thickness (mm)	Natural Frequency (Hz)
1.	DIT-AM-SFG-01	upto 250	500	500	800-1000	80	1.0-1.5
2.	DIT-AM-SFG-02	upto 250	630	630	800-1000	80	1.0-1.5
3.	DIT-AM-SFG-03	upto 450	750	500	800-1000	80	1.0-1.5
4.	DIT-AM-SFG-04	upto 1250	900	600	800-1000	100	1.0-1.5
5.	DIT-AM-SFG-05	upto 1250	1000	800	800-1000	150	1.0-1.5
6.	DIT-AM-SFG-06	upto 1250	1200	1000	800-1000	150	1.0-1.5
7.	DIT-AM-SFG-07	upto 1500	1800	1500	800-1000	150	1.0-1.5

### OTHER TECHNICAL SPECIFICATIONS :

#### A. Pneumatic Legs Specifications

1.	Levelling	Auto Levelling by automatic Levelling Valves
2.	Levelling Repeatability	+/- 0.15 mm
3.	Height Adjustment	8mm
4.	Frame	Stainless Steel
5.	Vibration Isolation Efficiency	90-95%