

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

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



Dynemech Anti Vibration Table DIT AM has natural frequency in the range of 2.5 3 Hz along with self levelling feature. Available self levelling accuracy is ± 0.015 mm and ± 0.15 mm with minimum setting time, depending upon the application requirement. membrane air springs are used which damps most of the incoming vibrations above 10 Hz. Top granite surface plate has flatness accuracy of Grade 00. Bottom levelling feet DLM provide levelling and vibration reduction. Level difference on top of the granite surface due to any load change and the equipment is compensated within milliseconds.

Applications : Metrology Equipments, High Precision Weighing Balances, TGA , Digital Hardness Testers, High Resolution Microscopes, surface roughness testers, etc.

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) |
|--------------|-------------|------------|-------------|------------------------------|--------------------------|-------------------------------------|
| DIT AM/01 | 500 | 500 | 800 1000 | 80 | up to 400 | 2.5 3 |
| DIT AM/01/S1 | 630 | 630 | 800 1000 | 80 | up to 400 | 2.5 3 |
| DIT AM/02 | 750 | 500 | 800 1000 | 80 | up to 850 | 2.5 3 |
| DIT AM/03 | 900 | 600 | 800 1000 | 100 | up to 1150 | 2.5 3 |
| DIT AM/04 | 1000 | 800 | 800 1000 | 100 | up to 1200 | 2.5 3 |

* Special table sizes and higher loads can also be designed as per client's requirements.