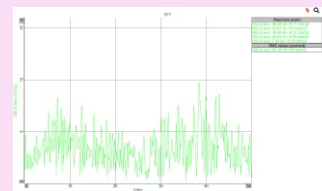
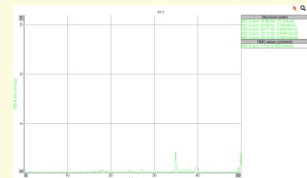




Before Installing of Dynemech  
Antivibration Table



After Installing of Dynemech  
Antivibration Table



Dynemech Anti-Vibration Table **Series DIT-TRF-HC** 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 0.8 to 1.2Hz in the all 6 degree of freedom which damps out most of the vibrations above 2 Hz. Available self-levelling accuracy options are  $\pm 0.010$  and  $\pm 0.10$  with minimum setting time, depending upon the application requirement. These tables have a levelling adjustable leg. The levelling is done by rotating the nut, the level of the Honeycomb top can be maintained using precision spirit level/electronic level gauge. The top is made from a heavy Honeycomb which ensures rigidity and keeps the system stable and ensures lower natural frequency and high damping efficiency. The frame of the table is made from the structural steel having grade IS 2062. Monitor stand, drawers, CPU space is provided as per the customer's requirement. The body of the table is Powder coated to achieve corrosion free service life of the table. The vibration isolation is achieved by very low frequency membrane air springs which are the integral part of the table body. 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.

#### APPLICATIONS:

- Precision Instruments: Balances, Galvanometers, Electronic Microscopes, Atomic Absorption Spectrophotometers
- Laboratories: Chemical analysis, food sample testing, scientific research
- Industries: Pharmaceuticals, Food and Beverage, Chemicals
- Semiconductor Manufacturing: Precision and accuracy in R&D
- Weighing Experiments: High-precision balances and measuring instruments
- Scientific Applications: Metrology Equipment , Thermogravimetric Analysis (TGA) , Digital Hardness Testers, HighResolution Microscopes, Surface Roughness Testers

Sl. No.	Model	Load (Kg.)	Length (mm)	Width (mm)	Height at mean position (mm)	Honeycomb Table Top Thickness (mm)	Natural Frequency (Hz)
1.	DIT-TRF-HC-01-75759	upto 450	750	750	900	100	0.8-1.2
2.	DIT-TRF-HC-02-90609	upto 500	900	600	900	100	0.8-1.2
3.	DIT-TRF-HC-03-1008090	upto 600	1000	800	900	100	0.8-1.2
4.	DIT-TRF-HC-04-12010090	upto 700	1200	1000	900	150	0.8-1.2
5.	DIT-TRF-HC-05-15012090	upto 800	1500	1200	900	150	0.8-1.2
6.	DIT-TRF-HC-06-18012090	upto 850	1800	1200	900	200	0.8-1.2
7.	DIT-TRF-HC-07-21015090	upto 1000	2100	1500	900	300	0.8-1.2

#### OTHER TECHNICAL SPECIFICATIONS :

A. Table Top - Honeycomb		
1.	Top Plate Skin	5mm $\pm 1$ mm thickness, 304 series non-magnetic stainless steel
2.	Core	Honeycomb core structure.
3.	Surface flatness	$\pm 0.1$ mm over 300 mm x 300 mm area
4.	Mounting Holes Matric	M6 tapped holes (double density hole pattern) on top with 25 mm grid.
5.	Hole/Core Sealing	Easy clean cylindrical cup (21mm deep)
6.	Damping	Broadband Standard Damping
B. Pneumatic Legs Specificarions		
1.	Load capacity	As per selected model.
2.	Height	As per requirement.
3.	Levelling repeatability	$\pm 0.15$ mm
4.	Resonant Frequency (Vertical)	2 Hz
5.	Resonant Frequency (Horizontal)	2 Hz
6.	Vibration Isolation (Vertical/Horizontal)	91%
7.	Height Adjustment	As per selected model.