

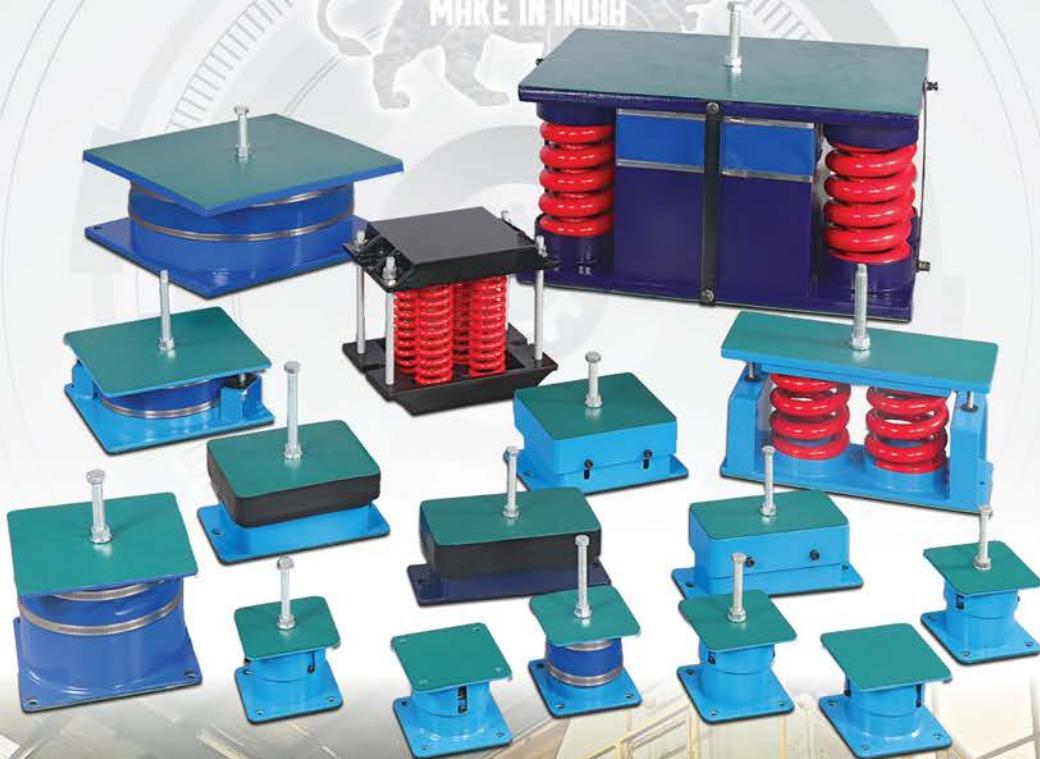


25 years of Expertise in Shock & Vibration Isolation

Dynemech
VIBRATION TECHNOLOGY

Engineered Systems for
Vibration & Shock Attenuation

MAKE IN INDIA



Dynemech Shock & Vibration Isolation is not just about supporting weight – it is the engineering of time response, frequency control and energy dissipation.



www.vibrationmountsindia.com



Email : sales@dynemech.com



+91-98107-60131 , 99111-45131



Dynemech Vibration Solutions for High Speed Presses

High-speed mechanical presses generate vibrations due to time-varying stamping forces, impact loads, and inertial unbalance. These vibrations are transmitted through the crank and slide mechanisms into the machine structure, where frame flexibility, joint clearances, wear, material deformation and structural resonance amplify and shape the vibration spectrum.

Vibration Isolation options for High-Speed Power Presses based on operating and surrounding conditions.





Dynemech

VIBRATION TECHNOLOGY

Vibration Isolation Solutions for Large Stamping & Forging Presses



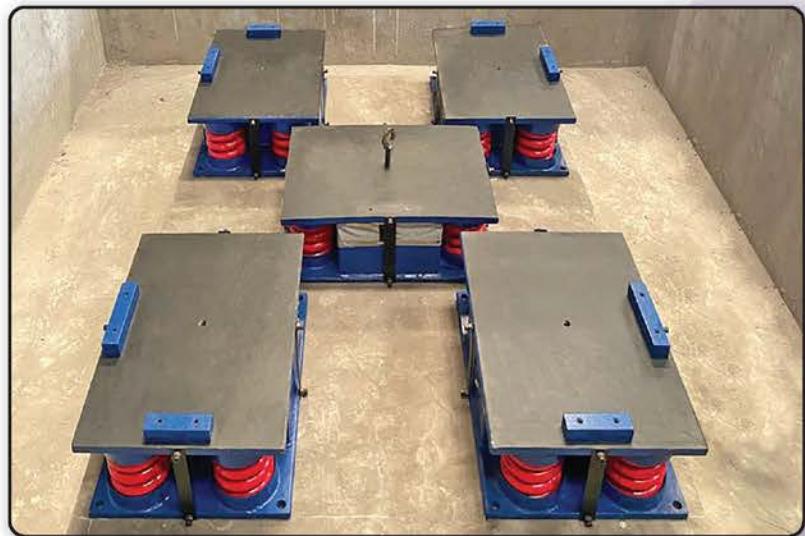
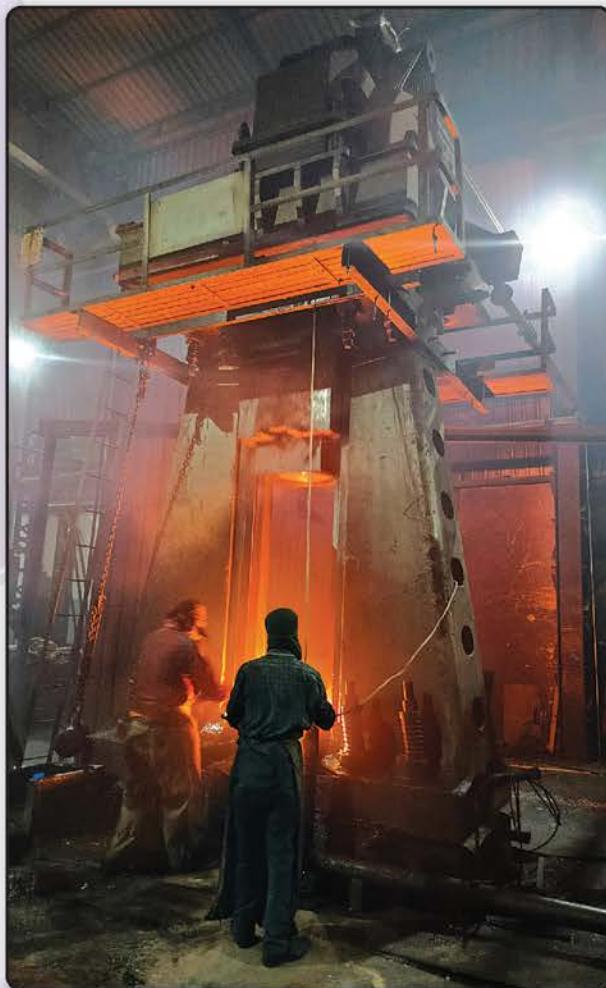
Vibration isolation options based on operating and surrounding conditions.



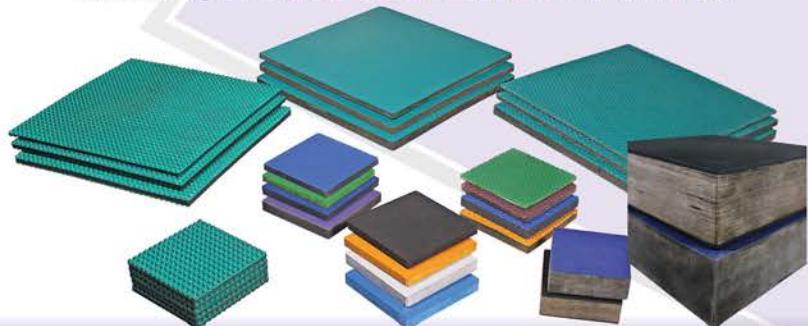
Shock Isolation Systems for Forging Hammers Impact and Shock Control



Shock Isolation Systems with Viscous Damping for Forging Hammers



Fabric Reinforced High-Impact and Shock Isolation Plates



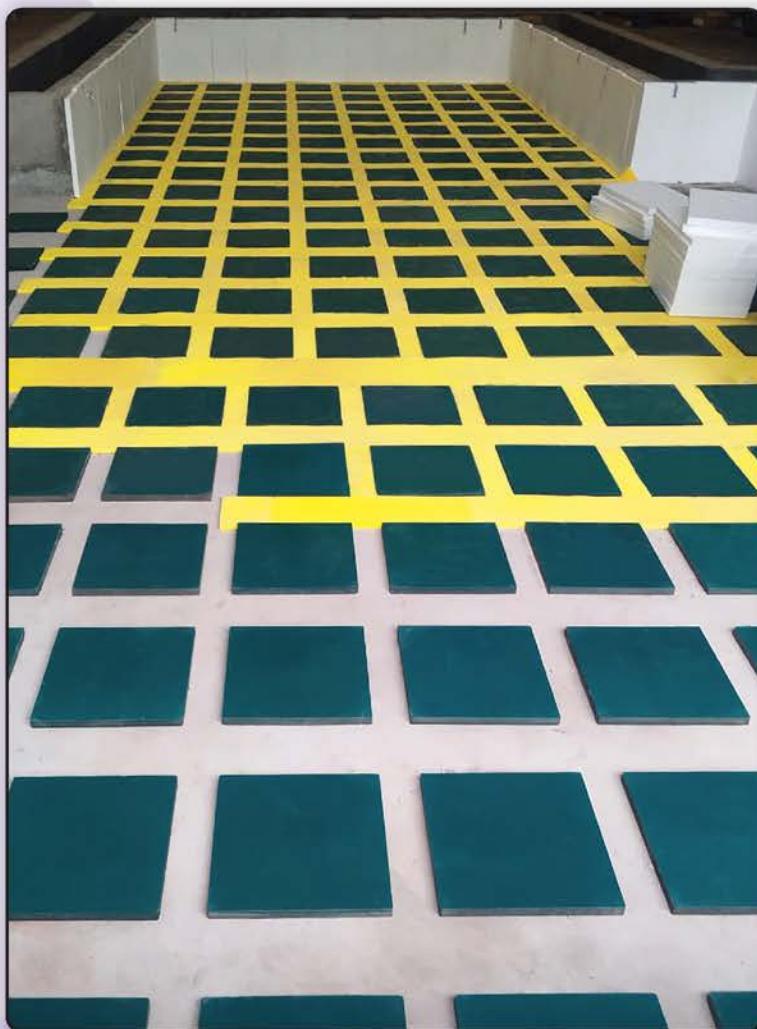


Dynemech

VIBRATION TECHNOLOGY

Isolated Foundations for Shock and Vibration Isolation

Engineered for High-Shock Machinery and Precision Measuring Equipment



Precision Levelling Mounts



High Precision Levelling & Alignment Mounts





Precision Metrology Equipment Tables



Precision Auto-Levelling Pneumatic Anti Vibration Tables



Series DIT-AHL



Series DIT-AM

Membrane Air Springs



Series DMAS

Series DRAS

Rubber Air Springs



Series DLP

Series DRAS

Mastering Vibrations : High-Performance Active Isolation Solutions

Seismion GmbH provides cutting-edge vibration isolation systems, delivering active control of 6 degrees of freedom to create highly noise-free environments for scientific advancement, metrology, semiconductor production and nano fabrication.

Reactio 2



- **Design :** Flat and low-weight, easy to install
- **Payload Capacity :** 65 kg and 150 kg
- **Sizes :** 500x400 mm, 600x500 mm, 600x600 mm

Reactio 3



- **Design :** Modular unit with effective electromagnetic shielding
- **Payload Capacity :** Up to 400 kg per module

Seismion Beams



- **Design:** Modular pair of bar elements for flexible spacing
- **Payload Capacity :** Up to 650 kg (set of two)
- **Options :** Cleanroom & vacuum compatible
- **Sizes :** 600 mm & 800 mm lengths

Atlas Series (Atlas, FF, Dynamic)



- **Design :** Modular system (3+ units) for heavy-duty
- **Payload Capacity :** Up to 1 ton per module
- **Variants :** Atlas dynamic for high power, fast settling
- **Options :** Cleanroom & vacuum compatible

COMMON PERFORMANCE FEATURES & OPTIONS

Additional Floor Feedforward : Exceptional Isolation Performance.

Adjustable Gain : Application-specific optimization.

Applications : Microscopy & Nano Scale Imaging, Lithography & Wafer Inspection Systems, Metrology Equipments etc.



POWER PRESS LINE
ON SPRING ISOLATORS
WITH INTEGRATED
VISCOUS DAMPERS



SELF LEVELLING PNEUMATIC
ISOLATION SYSTEM
FOR ROUNDNESS TESTER

APPLICATIONS :

1. Metal Forming & Stamping Machinery, Mechanical Presses, High-Speed Presses and Forging Presses
2. Machine Tools & Manufacturing Equipment, CNC Turning Centers, VMC/HMC Machines
3. Precision Metrology & Quality Inspection CMMs, Roundness Testers, Surface Profilers, Optical Inspection Systems
4. Semiconductor & Electronics Manufacturing Lithography Tools, Wafer Inspection Systems, Probe Stations and Semiconductor Test Equipments
5. Optics, Photonics & Laser Systems, Laser Interferometers, Optical Benches, Microscopy Systems, Alignment and Imaging Platforms
6. Analytical & Life-Science Instruments, ICP-MS, Mass Spectrometers, Chromatography Systems and biotechnology
7. Scientific Research & Advanced Laboratories, Electron Microscopes (SEM/TEM), AFM/STM Systems
8. Textile, Printing & High-Speed Rotating Machinery, Weaving Looms, Knitting Machines and Textile Processing Equipment
9. Power Generation & Heavy Industrial Equipment, Diesel Generators, Turbines, Compressors, Pumps, Blowers and HVAC Systems
10. Structural, Seismic & Infrastructure Protection, Seismic Isolation Platforms, Vibration-Isolated Foundations, Equipment protection in Data Centers and Museums
11. Testing, Simulation & R&D Facilities, Shakers, Fatigue Testing Machines, Endurance Test Rigs, Automotive and Aerospace Test Setups
12. Special-Purpose Isolation Tables & Custom Systems, Anti-Vibration Tables, Pneumatic Isolation Workstations, Clean room and Vacuum-Compatible Platforms

Manufactured by : **DYNEMECH SYSTEMS PVT. LTD.**

Corporate Office : RU-395, Near Power House, Main Outer Ring Road, Pitam Pura, Delhi-110 034 (India)

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