

# Dynemech

VIBRATION TECHNOLOGY

## VIBRATION CONTROL SOLUTIONS FOR HAMMERS & PRESSES

Forging Hammers, High Speed Presses, Forging Presses, Power Presses, Punch Presses & Hydraulic Presses



## ADVANTAGES

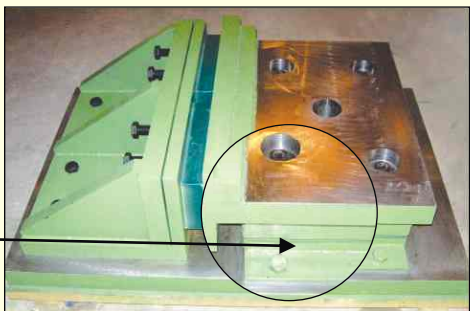
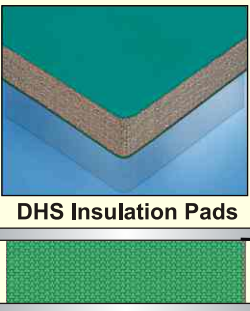
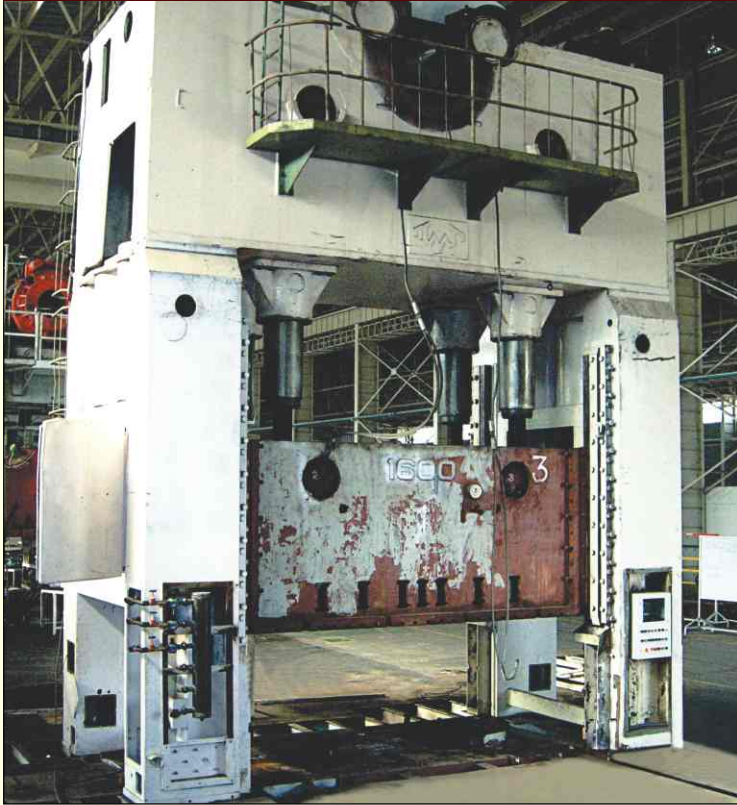
- High vibration transmission control up-to 90%.
- Comfort for people working for you- Better work environment.
- Safety for building structure- Saving from building repairing.
- High life of Dynemech Mounts- From last 10 year zero maintenance.
- Saving on machine maintenance as it works in stress free condition.
- Vibration Nuisance free working environment.
- No foundation bolting or grouting necessary.
- No foundation Cracking and Tilting.
- Protection from pollution norms.

[www.vibrationmountsindia.com](http://www.vibrationmountsindia.com)

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VIBRATION TECHNOLOGY

## 120 TON WEIGHT PRESS ON DYNEMECH DHS1



## 950 TON POWER PRESS ON SERIES DXH



### INSULATION PLATE Dhs1-65

Precision machine tools which require very high stability alongwith vibration damping.

Coefficient of friction 0.7

Construction:

Composite material made from Nitrile Rubber, Cork Particles & Synthetic Fibre. (100% polyester) Shore A Hardness 80-85.

Applications :

- Forging Hammers
- Power Presses
- Gen Sets
- Heavy Industrial Machinery

Oil & Chemical Resistance  
Resistant to fuels, lubricating oils, water etc. used in the shop floor

Working Temperature Range  
-20°C to +70°C

Standard Sheet Size  
500 x 500mm

Load Range  
5-15 Kg/cm<sup>2</sup>

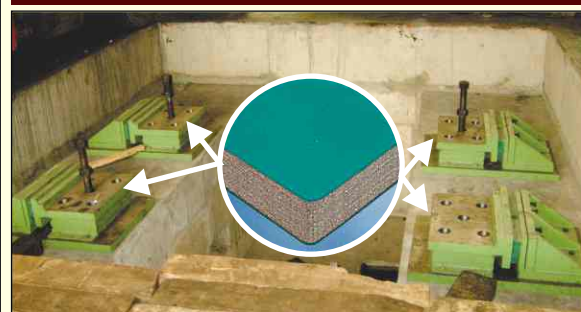
Thickness  
65mm

Natural Frequency  
6Hz-15Hz

## 1600 Ton Komatsu Forging Press



## Installation of Dynemech Shock Mounts



# HEAVY MACHINERY INSTALLATION & VIBRATION REDUCTION SOLUTIONS

**ISGEC 800 TON MECHANICAL PRESS ON SERIES DXO**



**800 TON PRESS LINE INSTALLED ON SPRING ISOLATORS**



**PRESS LINE INSTALLED ON ANTI VIBRATION MACHINE MOUNTS- SPRING ISOLATORS**



**PRESS LINE INSTALLED ON DYNEMECH MOUNTS- SPRING ISOLATORS**



**63 TON HIGH SPEED PRESS ON DYNEMECH SPRING ISOLATORS**



**COINING PRESS ON SHOCK ISOLATORS**



**POWER PRESS ON SPRING ISOLATORS**



**APPLICATIONS**

- ⊕ Power Presses
- ⊕ Textile Machines
- ⊕ Pumps and Boilers etc
- ⊕ Forging Hammers
- ⊕ Refrigeration Units
- ⊕ Generators, Compressors
- ⊕ Test Beds
- ⊕ Reducing Mills and Mixers
- ⊕ Centrifuges
- ⊕ Blowers
- ⊕ Coal Crushers, Turbines, ID / FD Fans
- ⊕ Pressure Die Casting Machines
- ⊕ All types of heavy industrial machinery
- ⊕ Measuring and Testing Machines/ Equipments  
(Surface Plates, Hardness Testers)

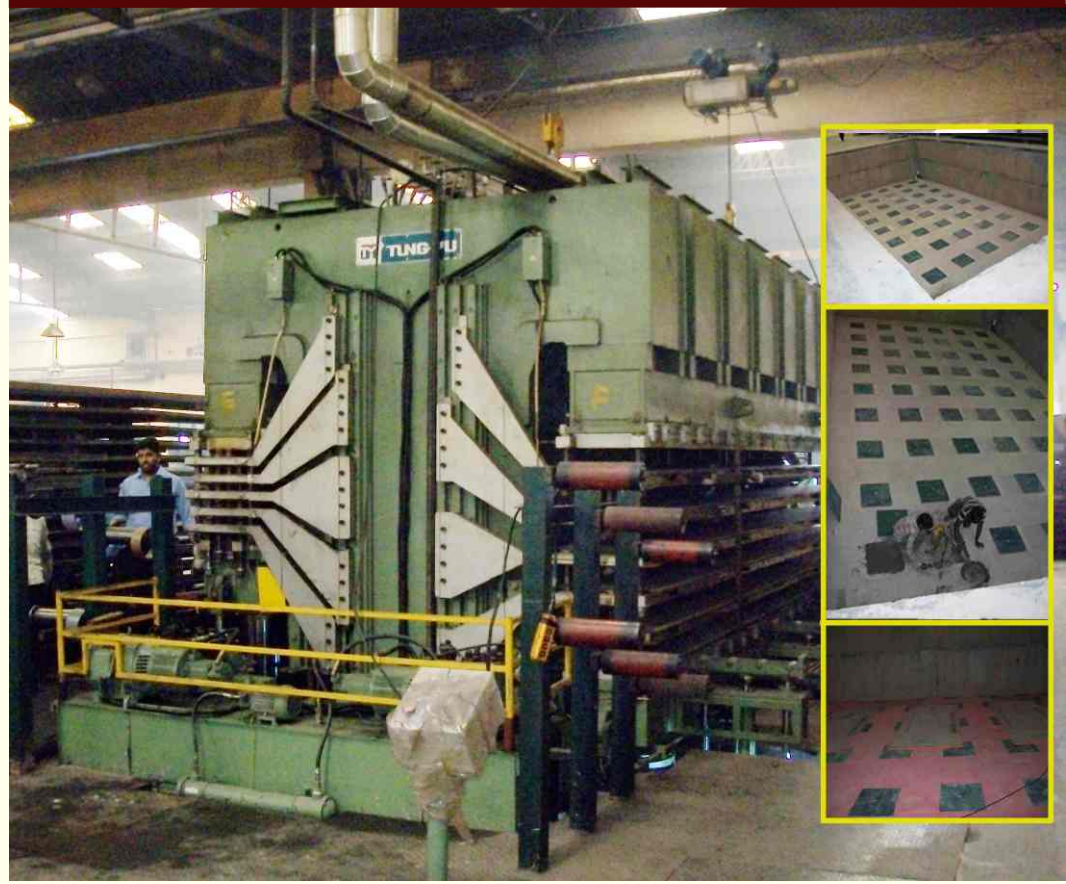
# HEAVY MACHINERY INSTALLATION & VIBRATION REDUCTION SOLUTIONS



**FORGING PRESS MOUNTED ON SPRING ISOLATORS**



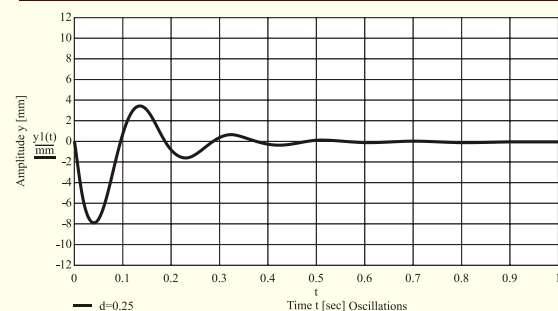
**180 TON WEIGHT HYDRAULIC PRESS ON FOUNDATION ISOLATION**



**The Highly elastic viscous damped spring supports reduce the transmission of force to the ground as:**

- Natural frequency of the spring mass system is lowered- Based on certain factors, sometimes spring rate is decreased and mass is increased.
- Natural period of the isolating system becomes higher than the impact pulse duration.
- Forcing frequency has to be greater than times of the natural frequency of the system in order to achieve isolation of vibration, with small value of damping ratio. But, since shock isolation may occur over a large frequency range consequently large value of damping ratio is preferable.

**Response of Vibration Reduction after installation of Dynemtech Spring Isolators**



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