

VIBRATION CONTROL SOLUTIONS FOR HAMMERS & PRESSES

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



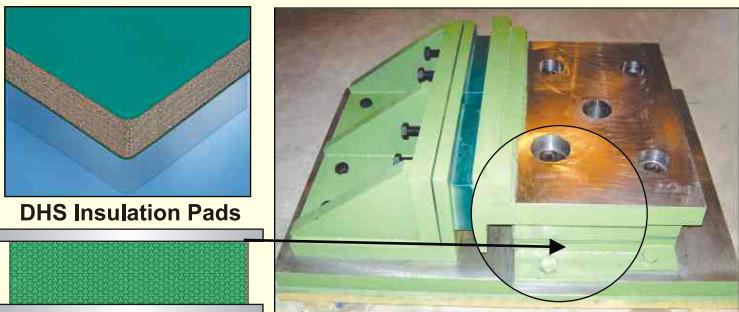
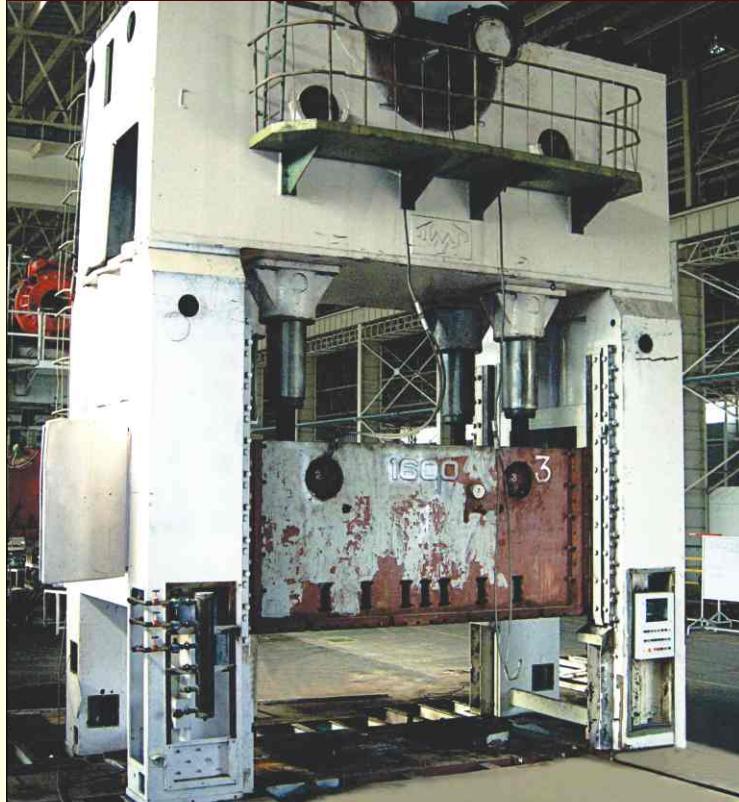
ADVANTAGES

- 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.

Dynemech

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.

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

Coefficient of friction 0.7

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

Construction:

Standard Sheet Size

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

500 x 500mm

Applications :

Load Range

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

5-15 Kg/cm²

Thickness

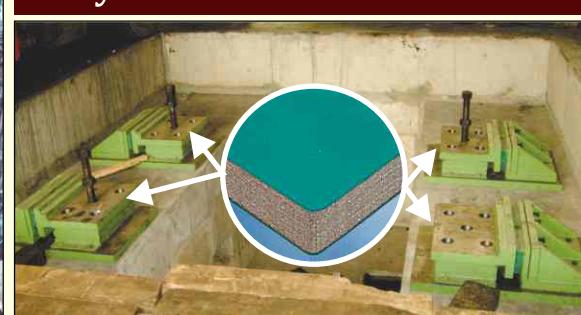
65mm

Natural Frequency
6Hz-15Hz

1600 Ton Komatsu Forging Press



Installation of Dynemech Shock Mounts



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



- ❖ Power Presses
- ❖ Pumps and Boilers etc
- ❖ Refrigeration Units
- ❖ Test Beds
- ❖ Centrifuges
- ❖ Coal Crushers, Turbines, ID / FD Fans
- ❖ All types of heavy industrial machinery

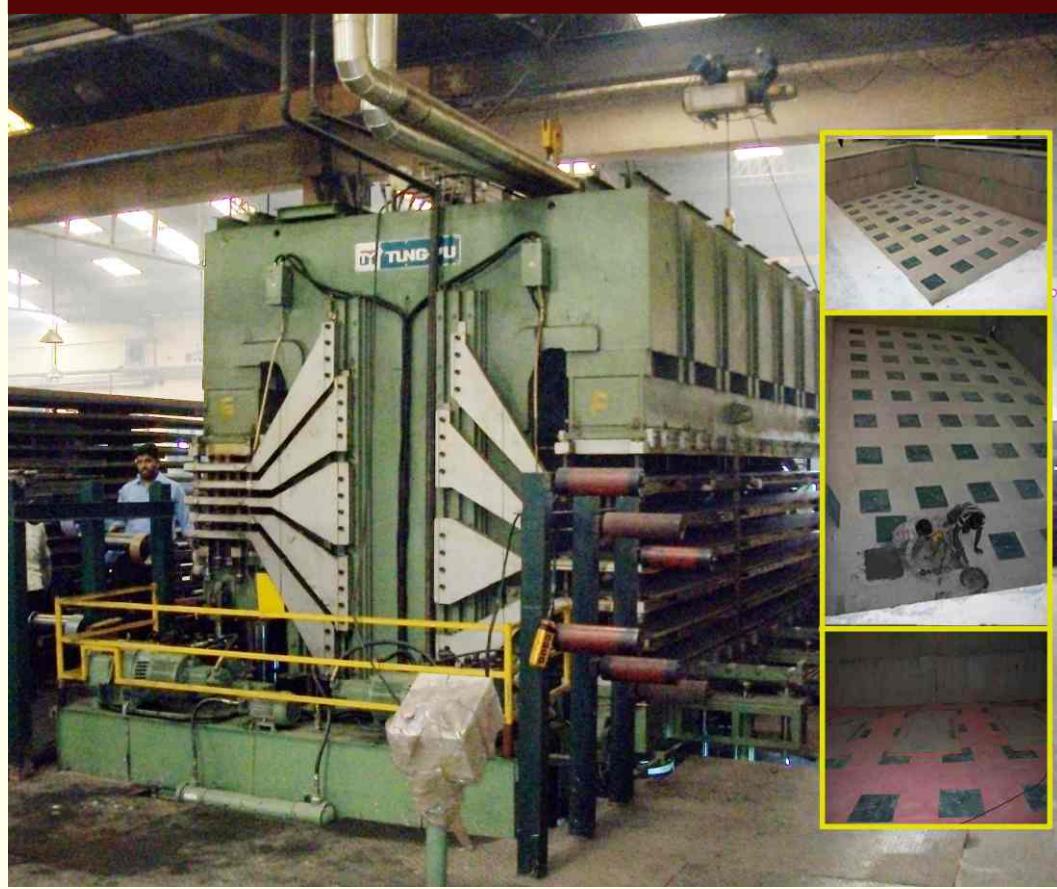
- ❖ Textile Machines
- ❖ Forging Hammers
- ❖ Generators, Compressors
- ❖ Reducing Mills and Mixers
- ❖ Blowers
- ❖ Pressure Die Casting Machines
- ❖ Measuring and Testing Machines/ Equipments
(Surface Plates, Hardness Testers)



FORGING PRESS MOUNTED ON SPRING ISOLATORS



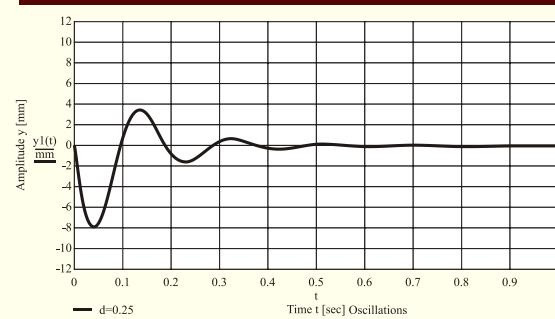
180 TON WEIGHT HYDRAULIC PRESS ON FOUNDATION ISOLATION



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 Dynemech Spring Isolators



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