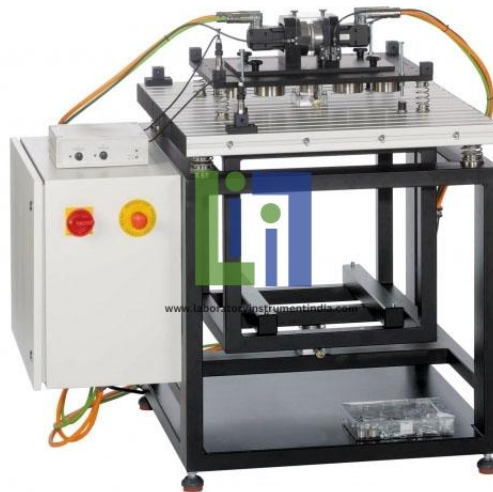




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**Product Name :**  
Vibrations On Machine Foundations

**Product Code :**  
LBNY-0005-10100078



#### **Description :**

An elastic, vibration insulating installation of the machine avoids the transmission of harmful vibrations to the surroundings. The can be used to investigate the problems of foundations and vibration isolation using a practical example. This is installed on a foundation using springs and dampers. The foundation represents the surroundings and can be used to measure the effectiveness of the vibration isolation. An indispensable element of machine design is targeted reduction of vibrations. To do this, vibrations are generated and measured on a foundation. Springs are then used to try out different tunings and vibration absorbers are used to investigate absorption effects. This double vibration isolation, combined with the high fixed weight of the frame, guarantees vibration-free laboratory operation, even under unfavourable experimental conditions. Additional helical springs connect the foundation to the actual frame of the trainer.

#### **Technical Specification :**

Eccentricity, rotation frequency, direction of rotation, phasing and frequency ratio adjustable  
Variable arrangement of vibration absorbers for absorption of vibrations  
Vibration measurement using acceleration sensors  
Representing and investigating vibrations on machine foundations  
Vibration generator generates vibrations by imbalance  
Vibration-free operation due to additional vibration isolation of foundation  
2 brushless high power servo motors as the machine drive  
Inductive position sensor records the eccentricity of the imbalance masses  
Piston compressor for use as alternative real vibration generator  
Software with control functions and data acquisition via usb under windows vista or windows 7.



**Laboratory Instrument India**