

# REACTION MASSES AND ISOLATION SYSTEMS



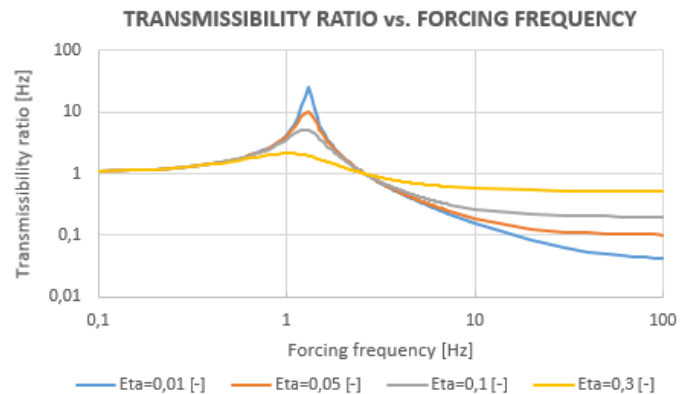
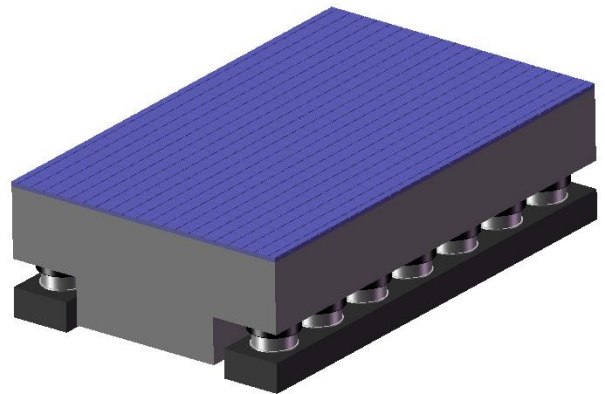
VZERO designs and supplies reaction masses and isolation systems to minimize the transmission of vibrations to the surroundings of dynamic testing installations. Vibration transmitted is attenuated from natural frequency of the mass-isolator system on.

## APPLICATIONS

- Dynamic testing facilities
  - Shake table testing
  - Inertial testing systems
  - Shaker facilities
  - Bogie testing
  - Fatigue testing
  - Four poster testing

## KEY FEATURES

- Detailed design of civil works from geotechnical data according to local and international regulations:
  - Pit
  - Slab
  - Retaining walls
  - Reaction mass
- Exhaustive static and dynamic FEM analysis
- T-slotted plates for test rig and specimen under test installation
- Pneumatic vibration isolators
  - Based in three independently controlled circuits of airsprings, pneumatic lines and air compressor
  - Resonant frequencies down to 1 Hz
  - Control system: Automatic levelling



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