Features

- ▶ Compact design
- ▶ Low profile: 0.8"
- ▶ Center aperture: 0.25" diameter
- ▶ Closed loop control
- pico sensor technology

Typical Applications

- ▶ High resolution Z-axis alignment
- ▶ AFM
- ▶ Metrology

LabVIEW Compatible USB Interfaces



Examples, tutorial, and Nano-Route*3D supplied with Nano-Drive* USB interfaces.





Nano-MZ (actual size) constructed from aluminum.

Product Description

The Nano-MZ is a compact Z-axis nanopositioning system with a small center aperture designed to be easily integrated into existing instrumentation where space is restricted. Internal position sensors utilizing proprietary technology provide absolute, repeatable position measurement with picometer accuracy under closed loop control. A related model, the Nano-M3Z, includes

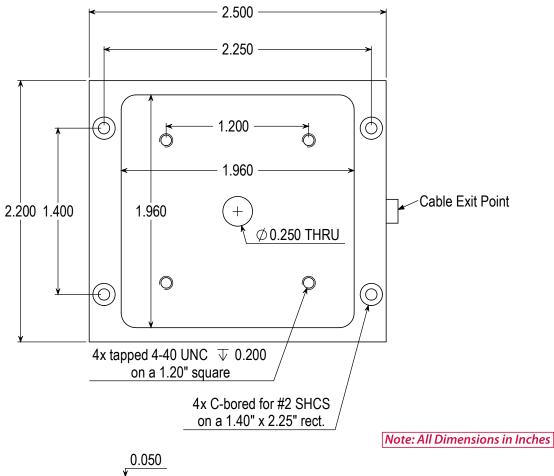
additional "tip" and "tilt" motions (θ_X, θ_Y) to the linear motion in the Z-axis. The Nano-MZ can also be used as a "building block" with other systems to form complex nanopositioning assemblies with multi-axis motion - see the Nano-M350 and the Nano-Man5.

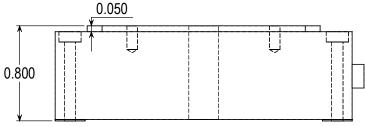
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Technical Specifications

Range of motion (Z)
Resolution
Resonant Frequency
Stiffness
Recommended max. load (horizontal)*0.5 kg
Body MaterialAluminum or Invar
Controller Nano-Drive®

^{*} Larger load requirements should be discussed with our engineering staff.





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