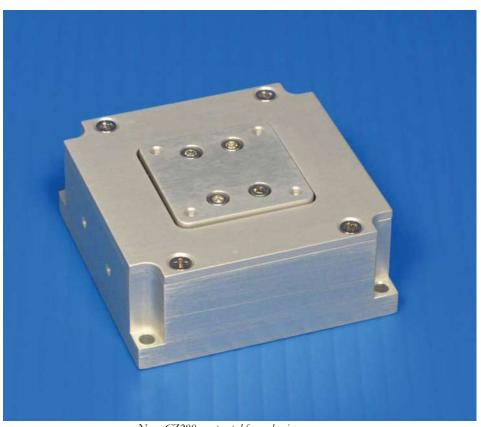
Features

- ▶ Single axis (Z) motion
- ► Long range motion 200µm
- ▶ Compact size
- ▶ Closed loop control
- > pico sensor technology

Typical Applications

- Precision optical alignment and mirror positioning
- ▶ High resolution probe positioning
- ► Metrology



LabVIEW Compatible USB Interfaces



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

Nano-CZ200 constructed from aluminum.

Product Description

The Nano-CZ200 is a compact, long range, single axis (Z-axis) precision nanopositioning system. Internal position sensors utilizing proprietary picp technology provide absolute, repeatable position measurement with sub-nanometer resolution under closed loop control. The Nano-CZ200 can be operated in any orientation

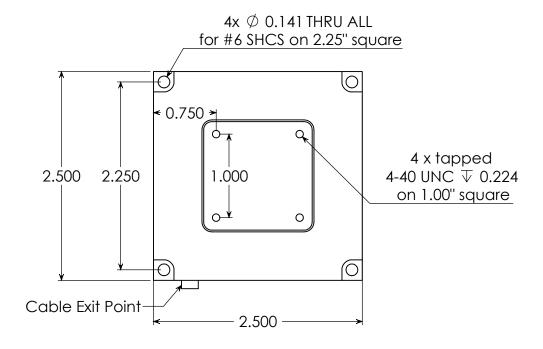
and is ideally suited for precision alignment of optical elements or other components with limited size and weight.

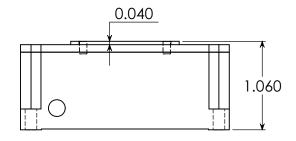


Technical Specifications

Range of motion (Z)	200 μm
Resolution	0.4 nm
Resonant Frequency	. 500 Hz ±20%
Stiffness	1.0 N/μm
Recommended max. load (horizontal)*	0.5 kg
Recommended max. load (vertical)*	0.1 kg
Body Material	Aluminum
Controller	Nano-Drive®

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





Note: All Dimensions in Inches