

Nano-Mini

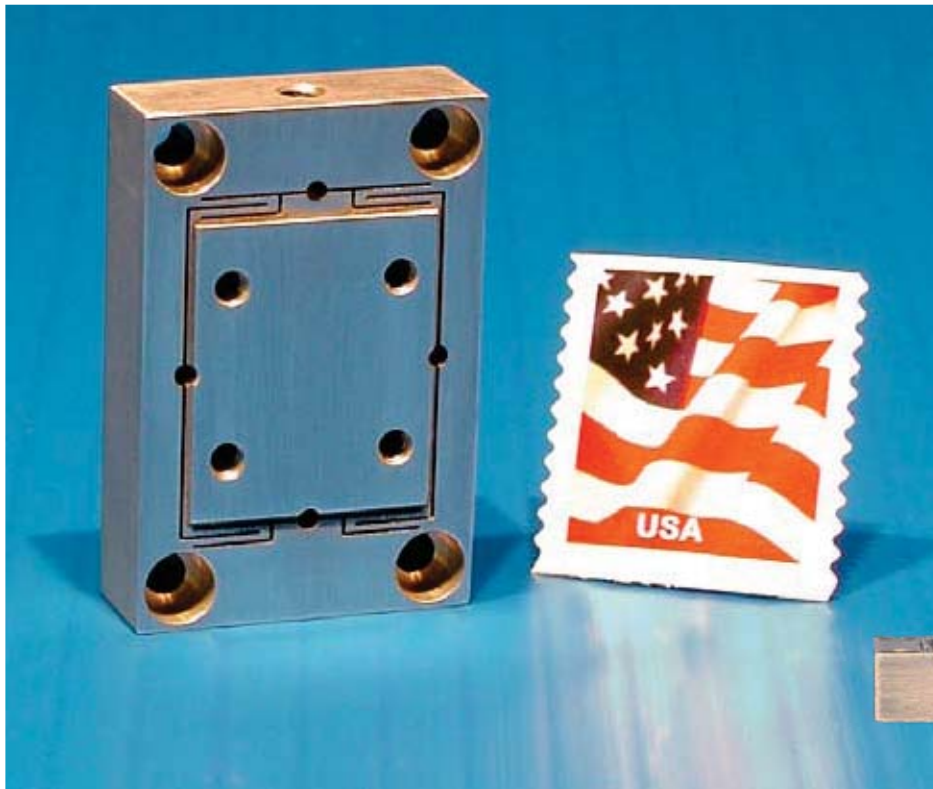
Features

- ▶ Ultra small footprint: 1" × 1.5"
- ▶ Stackable for XY motion
- ▶ Closed loop control
- ▶ Titanium or invar construction
- ▶ **pico**™ sensor technology

Typical Applications

- ▶ Optical fiber alignment
- ▶ Optical positioning
- ▶ Interferometry

02.583.2511 פז"מ-טק (1991) בע"מ
<Michael.Storch@pazam-tech.co.il>



Nano-Mini constructed from titanium.

LabVIEW Compatible USB Interfaces



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

Actual Size

Product Description

The Nano-Mini is one of the smallest flexure guided nanopositioning stages available. Designed for optimum performance on a small footprint, this stage uses an innovative mini-cross section multilayer piezo ceramic which allows for a stiff stage to translate 10 microns with picometer precision. This unique design makes it ideal for applications in precision metrology and microscopy.

Internal position sensors utilizing proprietary **pico**™ technology provide absolute, repeatable position measurement with picometer accuracy under closed loop control. Available in titanium or invar.

02.583.2511 פז"מ-טק (1991) בע"מ
<Michael.Storch@pazam-tech.co.il>

MCL

phone: 608-298-0855

fax: 608-298-9525

Technical Specifications

Range of motion	10 μ m
Resolution	0.02 nm
Resonant Frequency	1.5 kHz \pm 20%
Resonant Frequency (50g load)	650 Hz \pm 20%
Stiffness	1.0 N/ μ m \pm 20%
θ_{roll} , θ_{pitch} (typical)	≤ 1 μ rad
θ_{yaw} (typical)	≤ 2 μ rad
Recommended max. load (horizontal)*	0.5 kg
Recommended max. load (vertical)*	0.15 kg
Body Material	Titanium or Invar
Controller	Nano-Drive™

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

פז"מ-טק (1991) בע"מ

מייקל סטורץ | 02.583.2511

PaZaM-tech@pobox.com

www.PaZaM-tech.co.il

