

## Mini Dual Precision Nano/Micro Mirror Mount

### Features:

- Coarse and fine tuning using the same setup
- $\pm 3$  degrees coarse tuning range
- Two micro-radian fine tuning resolution
- Kinematic design
- Anodized aluminum alloy material
- Thumbscrew driven

Specifications	
Fine Tuning Resolution	2 micro-radian
Tunable Range	6 degree
Weight	0.5 kg (1.1 lb)
Load Capacity	0.1 kg (0.2 lb)
Dimension	90 mm x 90 mm x 60 mm
Material	Anodized Aluminum Alloy
Mirror Diameter	1 inch, 1/2 inch

### Patents:

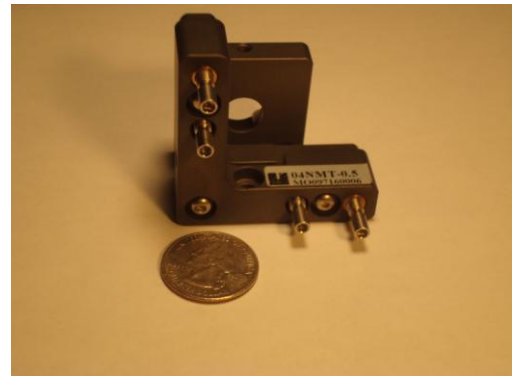
USPTO US 8,056,879 B2  
 German 20 2009 014 928.5  
 Japan 3160506  
 China (pending)  
 Taiwan M381795

### Applications:

- Laser cavity tuning
- Interferometry
- Nano-metrology
- Fiber optic alignment

### Notice:

1. The red thumbscrews are used for coarse tuning at 0.3 degrees per turn.
2. The silver thumbscrews are used for fine tuning at 200 micro-radians per turn.
3. Handle carefully, collisions or drops have a chance to damage or destroy the device.
4. If this device is tested on the interferometer, disturbances such as thermal expansion and gradient, sound waves, vibrations, air flow, etc. should be carefully controlled.
5. In order to observe the minor differences of the interferogram test results, a frequency stabilized He-Ne laser source is highly recommended.



For free test result interferogram videos, please contact [peter@nano-smith.com](mailto:peter@nano-smith.com).

For more information, please go to [www.nano-smith.com](http://www.nano-smith.com).

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