



## Precision Positioning Device

**UW ID: 03-011**

**Inventor:**

McInroy, John

**Patent Status:**

Patent Issued

### Description of Technology

The Precision Positioning Device comprises a precision measuring/vibration isolation mechanism. This device utilizes four plates, with the precision measuring mechanism or the item to be isolated attached to the first plate. There is an adjusting mechanism for adjusting the four plates relative to each other. This technology also includes both an apparatus and method for precision measuring for extra fine positioning.

### Applications

Applications for this device are numerous. Precision positioning and vibration isolation are important in a number of aerospace, military and manufacturing applications. This device can also be used on a variety of scientific instruments including electron microscopes, scanning tunneling microscopes, atomic force microscopes and gravity wave detectors.

### Features & Benefits

Benefits of this technology are derived primarily from the vibration isolation and high precision that this device allows. Additionally, this device is capable of faster positioning by maintaining a low center of gravity and the design allows for use in smaller spaces while maintaining precision.

#### **Contact Us:**

**Wyoming Technology Transfer and  
Research Products Center**

1000 E. University Ave  
Laramie, WY 82071

Tele: 307-766-2520

Fax: 307-766-2530

Email: [Wyominginvents@uwyo.edu](mailto:Wyominginvents@uwyo.edu)