

Mini-Hexapod (MHP) System



Features

- Low cost 6-Axis positioning system.
- Precision motions, with full step positioning as small as one micron (0.001 mm or 0.00004").
- Standard 25mm range of motion in XYZ, more range available.
- Designed to move loads of 2 to 20 Kg.
- 20 degree range of rotation about XYZ.
- Manually controlled with a wireless SpaceMouse.
- Power efficient, holds position with no power.
- PC Windows interface for easy 6D motion control of movements.

The Mini-Hexapod (MHP) system is a low cost, 6-axis kinematic platform that provides precision motion with six-degrees of freedom.

If your application requires precise multi-dimensional motions with single micron positioning, then the Mini-Hexapod system may be what you need.

Picard Industries

4960 Quaker Hill Road, Albion, NY 14411

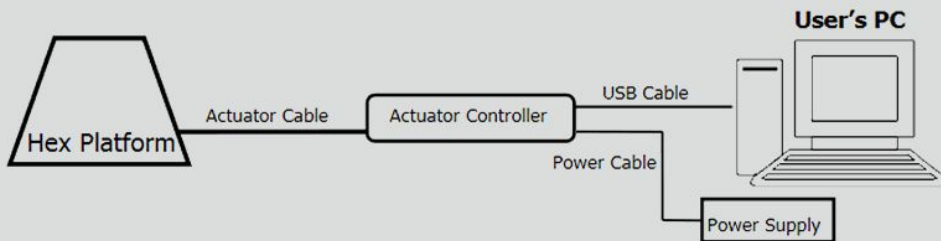
(585) 589-0358

www.Picard-Industries.com

Mini Hexapod Platform

Control System Basics

The Mini-Hexapod control system consists of an actuator Controller, universal AC Power supply, Cables, and a Windows based (user supplied) PC with a USB port. The actuators are commanded to move the platform by the User with the PC through its USB port. The User's Cartesian coordinate move commands are transformed into commands for moving each of the six actuators using the Actuator Controller. Status and positional information of each of the actuators is also provided to the PC from the controller.



Customization

Picard Industries specializes in custom application and design of the MHP system. Many different sizes of linear actuators are available to fit your requirements. Below are a few different size examples of our capabilities.

