

OEM Partnerships

- ▶ *Custom, proprietary designs without engineering charges*
- ▶ *Prototype systems available for performance testing*
- ▶ *Brand labeling and custom controller packaging available at no extra charge*
- ▶ *Annual blanket order discount pricing with scheduled monthly deliveries*
- ▶ *Board level OEM controllers available for integration into larger systems.*
- ▶ *Custom system firmware and dll's can be provided for specialized USB digital control*

Examples

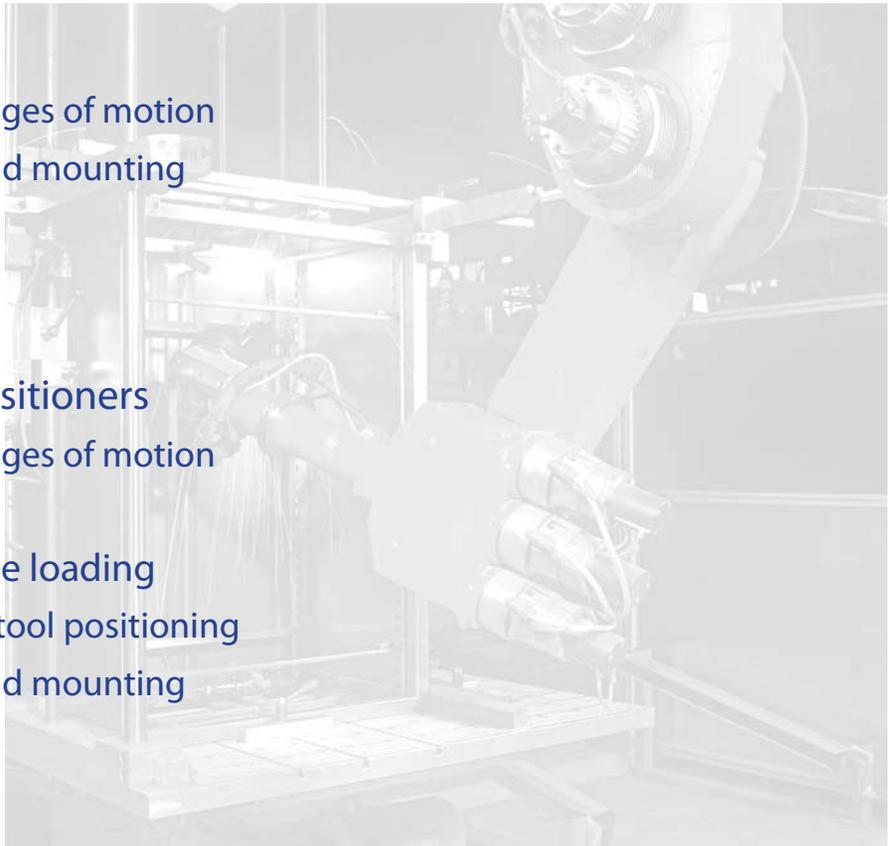
Note: OEM agreements prevent use of nanopositioner photographs

Z-axis stage inserts

- 100 μ m, 200 μ m, 500 μ m ranges of motion
- Customized dimensions and mounting
- Custom aperture sizes
- Custom sample holders

Heavy duty, single axis nanopositioners

- 100 μ m, 200 μ m, 500 μ m ranges of motion
- Move loads up to 20 kg
- Withstands off-axis torque loading
- Sensor head and machine tool positioning
- Customized dimensions and mounting



OEM Systems

Mad City Labs has proven expertise in designing and producing custom nanopositioning systems for integration into a wide variety of technical products. In-house design physicists with extensive technical instrumentation experience combined with in-house CNC machining and assembly allow Mad City Labs to go from concept to first prototype in approximately 30 days. In some situations, custom firmware and dll's developed by Mad City Labs' programming staff can speed up final product development by incorporating special motion profiles into the

OEM Nano-Drive[®] controller. Although this catalog gives an overview of the types of nanopositioning systems commonly produced by Mad City Labs - please keep in mind that 50% or more of our production is dedicated to OEM designs which are sold under other company names and are not shown on our catalog pages. Whether you have an annual requirement for hundreds of systems or only a few, Mad City Labs can provide a prompt quotation and immediate help with custom nanopositioners designed to fit the application.

More Examples

Note: OEM agreements prevent use of nanopositioner photographs

High speed, high resolution laser scanners

- 2 milliradians to 10 milliradians of motion
- Mirrors up to 2" diameter can be mounted
- Customized dimensions and mounting

Objective lens nanopositioners

- 100 μ m, 200 μ m, and 450 μ m ranges of motion
- Higher resolution and lower cost than competition
- FEA designed to produce exceptionally low off-axis errors

Long range, single axis nanopositioners

- Up to 500 μ m range of motion
- High resolution
- Highly linear motion, low off-axis errors
- Customized dimensions and mounting

Long range, multi-axis nanopositioners for microscopy

- Ranges of motion up to 300 μ m
- High resolution
- Low height stages for convenient sample placement
- Customized dimensions and mounting

