



## Artisan Technology Group is your source for quality new and certified-used/pre-owned equipment

- FAST SHIPPING AND DELIVERY
- TENS OF THOUSANDS OF IN-STOCK ITEMS
- EQUIPMENT DEMOS
- HUNDREDS OF MANUFACTURERS SUPPORTED
- LEASING/MONTHLY RENTALS
- ITAR CERTIFIED SECURE ASSET SOLUTIONS

### SERVICE CENTER REPAIRS

Experienced engineers and technicians on staff at our full-service, in-house repair center

### *InstraView*<sup>SM</sup> REMOTE INSPECTION

Remotely inspect equipment before purchasing with our interactive website at [www.instraview.com](http://www.instraview.com) ↗

### WE BUY USED EQUIPMENT

Sell your excess, underutilized, and idle used equipment. We also offer credit for buy-backs and trade-ins. [www.artisanng.com/WeBuyEquipment](http://www.artisanng.com/WeBuyEquipment) ↗

### LOOKING FOR MORE INFORMATION?

Visit us on the web at [www.artisanng.com](http://www.artisanng.com) ↗ for more information on price quotations, drivers, technical specifications, manuals, and documentation

**Contact us:** (888) 88-SOURCE | [sales@artisanng.com](mailto:sales@artisanng.com) | [www.artisanng.com](http://www.artisanng.com)

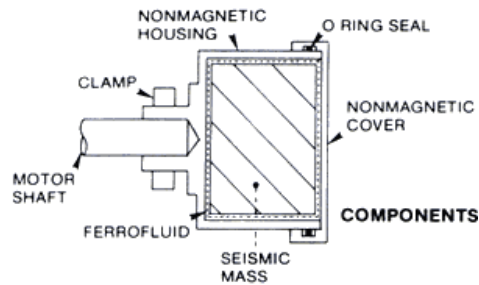
# Products

PURE PRECISION FOR OVER 40 YEARS

- Products Overview
- Ferrofluid
- Ferrofluidic Seal Solutions**
- Standard Feedthroughs
- Design a Custom Product
- General Information
- Motor-Integrated Feedthroughs
- Sealing Sub-Assembly
- Inertia Dampers**
- Support
- Thermal Solutions
- Fabricated Quartz Solutions
- Pv Solutions

## Inertia Dampers

A stepper motor operated at its natural frequency may experience excessive settling time, vibration and acoustic noise. A Ferrofluidic damper relies on ferrofluid to absorb the motion energy by a shearing effect which produces a torque that opposes the unwanted oscillatory motion. A Ferrofluidic damper is hermetically sealed and has a non-magnetic housing which attaches to the motor shaft. Inside the housing is an inertial mass which levitates on Ferrotec's ferrofluid, thus eliminating the need for bearings to support the mass.



A Ferrofluidic damper offers reliable damping and accurate performance with no losses in speed or accuracy, and no reduction in torque. Other performance benefits include:

- increased positional accuracy
- reduced settling time
- reduced torsional oscillations

A Ferrofluidic inertia damper is easily attached to the motor shaft and has no maintenance requirements. It can be custom tuned to your system for optimum results. Typical applications include X-Y-Z Plotters, Printers, Optical Scanners, Robotics and Milling Machines.

A range of sizes and damping coefficients is available.

▲PAGETOP



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