

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
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Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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Products

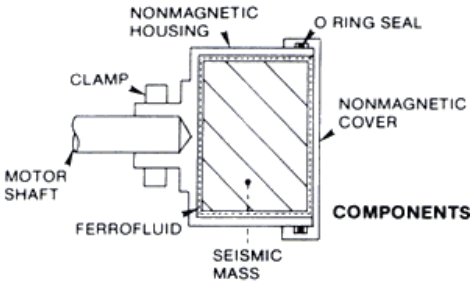
PURE PRECISION FOR OVER 40 YEARS

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 Ferrofluidics 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.

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We buy equipment

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We're here to make your life easier. How can we help you today?

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