



Fast, Easy Installations and Plant Layout Flexibility are the first benefits that you

receive using Vibro/Dynamics Isolators. Whether you're installing metalforming or forging

presses, precision machine tools, plastic injection molding or other industrial machinery, you'll be in production

faster with minimum installation costs. You won't need anchor bolts, grout and in many cases, a special foundation.

Because machines are not bolted to the floor, you're free to relocate machinery faster, allowing greater plant layout

flexibility to meet your changing needs. **Precision Leveling, Alignment and Proper Support** are

conditions essential for optimal machine performance. Vibro/Dynamics Isolators have precision

adjustment capabilities that make meeting these conditions fast and easy. Meeting and

maintaining these conditions is necessary to prevent machine twist. Twist causes premature machine and tooling

wear and affects part quality. The unique Fine-Tuning capabilities of Vibro/Dynamics Isolators help you optimize a

machine's support

Tuning process is a

precision adjustments using the isolator's deflection range and its adjustment screw. Fine-Tuned support prevents

twisting and misalignment, resulting in increased life for machines, tools and dies. **Vibration Reduction** is

essential for your machines to operate properly and to last longer. In published tests conducted

on a 250 Ton Blanking Press, Vibro/Dynamics Isolators reduced transmitted vibration by up to

98%. Another field test showed how our isolators protected a precision grinder by significantly reducing harmful

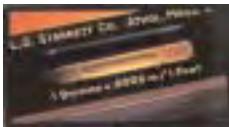
incoming vibration. Better part finish and improved machine performance result from effective vibration reduction.

Noise Abatement is a direct benefit of reduced vibration. Structure-borne noise is caused by vibration; reducing

vibration will reduce structure-borne noise. **Reduced Downtime** is another benefit resulting

from machines installed on Vibro/Dynamics Isolators. Machines last longer and operate better

with far less downtime for unplanned maintenance and repairs caused by premature wear and component failure.



**BENEFITS AND FEATURES THAT
ADD UP TO MORE PRODUCTIVITY,
EFFICIENCY AND PROFITS.**

condition. Our Fine-

process of making



VIBRO/DYNAMICS



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VIBRO/DYNAMICS Isolators

Your Best Way to Install and Level Industrial Machinery
for Effective Control of Vibration and Shock



VIBRO/DYNAMICS® Corporation

technologically advanced machinery mounting systems



MICRO/LEVEL® ISOLATOR
MODEL 9M 880
VIBRO/DYNAMICS
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Manufactured by Vibro/Dynamics, Inc. Broadview, IL, U.S.A.

MICRO/LEVEL® ISOLATOR
MODEL 16M 1100
VIBRO/DYNAMICS
2443 BRAGA DRIVE BROADVIEW, IL 60155 U.S.A.
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MICRO/LEVEL® ISOLATOR
MODEL 10L 900
VIBRO/DYNAMICS
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Manufactured by Vibro/Dynamics, Inc. Broadview, IL, U.S.A.

HYDRA LEVEL® ISOLATOR
MODEL HLM 1850/250
VIBRO/DYNAMICS
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Manufacturers of Custom-Engineered Machinery Mounting Systems

that add value to industrial machinery by providing precision

leveling, alignment, proper support, and vibration reduction.



Vibro/Dynamics Vibration and Shock Isolation Products and Systems



Micro/Level® Isolators are elastomeric-type, vertical leveling screw machinery mounts available in over 10,000 models and hundreds of load ranges to properly support, level, align, and isolate machines weighing up to 2,000 tons.

Among the features are a superstrong housing; a high-strength steel bearing plate; a heat-treated adjustment screw that provides precision leveling and alignment; and a custom-molded elastomer that effectively isolates harmful vibration. Our elastomers are specifically designed for machinery mounting applications and applied to prevent

creeping or packing down, so that your machine stays level and aligned.

These general purpose isolators are great for punch presses, machine tools, plastic injection molders, and die cast machines. They have excellent vibration isolation characteristics and their integral leveling feature provides precision leveling and alignment for fast, easy installations; increased machine and tooling life; and reduced downtime.

Micro/Level Wedge Isolators are elastomeric-type machinery mounts designed for punch presses, machine tools, plastic injection molders, and die cast machines.

The wedge design with the side adjust leveling screw is the perfect solution when installing machines that do not have mounting holes or have mounting holes that are too small to use vertical leveling screw type isolators.



Wedge Isolators are also available with our patented Glide/Ring™ Damper designed to dissipate horizontal forces that cause machines to walk. The Glide/Ring Damper's built-in swivel automatically adjusts for an out-of-parallel condition between the foundation and the bottom of the machine feet for proper machine support and isolator performance.

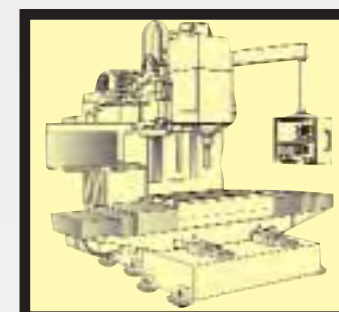


Hy/Speed® Spring Isolators are low natural frequency, steel coil spring mounts designed to isolate inertial and impact forces generated by high-speed machines common to the metal stamping, electronic, container, and textile industries. Along with their optional built-in precision leveling, they feature material or viscous damping systems and a nonslip bottom elastomer for uniform isolator contact with the floor.



Our Hy/Tuned™ Spring Isolators are ideal for solving the toughest vibration and shock transmission problems. Their low natural frequency, mid-range stiffness, and high degree of damping makes them the perfect solution when installing large blanking presses and forging hammers near vibration sensitive areas.

This "Good Neighbor" Mount features viscous damping for controlling machine motion and is available with an optional built-in leveling device.



CUSTOM-ENGINEERED SYSTEMS FOR YOUR SPECIFIC APPLICATION



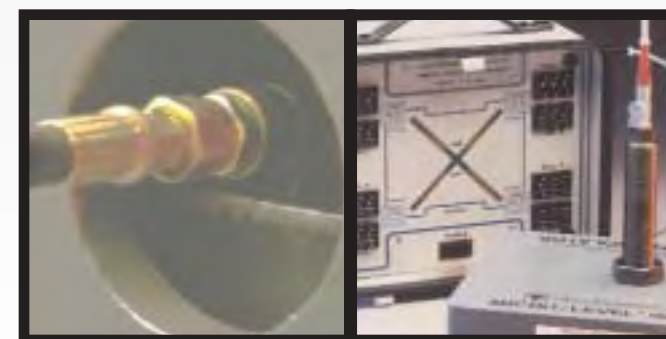
Engineering and Installation Services

Vibro/Dynamics has a staff of highly qualified engineers and technicians available to perform a variety of services. These services are especially helpful in heading off or solving existing vibration problems and aiding in the design of machinery and foundations. Services include: vibration measurement testing and analysis; modal analysis of machine structures and foundations; finite element analysis of machine components, structures, and operating conditions; and installation and leveling assistance.

Optional Features

Hydra/Level® is a hydraulic-lift assist system available in Micro/Level and Spring Isolators. Built-in hydraulics make leveling and aligning even the heaviest machinery faster and easier, especially when aligning transfer press rolling bolster rails.

The Hydra/Level System is also available as a portable option in our MXL Series Micro/Level Isolators. This allows one set of hydraulics to be used in more than one isolator.



Lod/Sen™ is an optional Electronic Fine-Tuning (EFT) System available in our Micro/Level and Hy/Speed Isolators. Electronic sensors within each isolator are connected to a Lod/Sen analyzer to accurately determine a machine's support condition.

Easy-to-read graphical displays indicate which isolators to adjust, and how much to adjust them. Ultra-precise adjustments, without guesswork, result in an optimally supported machine.

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VIBRO/DYNAMICS

Typical Applications

- Metalworking Presses**
- Mechanical and Hydraulic
- Pneumatic and Screw Drive
- Turret Punch
- Gap Frame
- Automotive Transfer
- Motor Lamination
- Forging Presses and Hammers

Precision Machine Tools

- Machining Centers
- Precision Grinders
- Transfer Lines
- Milling Machines
- Broaching Machines
- Wire EDM
- Lathes
- Cold Headers
- Upsetters

Metal Container

- End Conversion Presses
- Shell and Cupping Presses
- Bodymakers and Wall-Ironers
- Necker Flangers
- Decorators and Fillers

Plastic Molding & Die Casting

- Injection Molders
- Blow Molders
- Die Cast Machines

Textile Machines

- Knitting Machines
- Weaving Machines
- Weft Insertion
- Carpet Tufters

Others

- Turbine Generators
- Transformers
- Pumps



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