New Features

All standard Vision Isolation systems are rigorously assembled and include integrated home leveling feet with casters, a pre-installed optical breadboard and corner brackets. These unique corner brackets feature designated holes, multiple attachment points and provide docking, seismic restraint and float height indication of the breadboard. A new roll-off package is makes unpacking and installation fast and easy.

The Vision IsoStation family also includes a new offering of accessories designed specifically for modern scientific and biological investigations.

New Accessories

The Vision IsoStation is offered with platform sizes from 24"x24" up to 36"x72" to accommodate the widest range of applications from small bio- and life sciences to full-sized optical investigations. The Vision IsoStation is available in two load capacities, 500lb gross and 1,300lb gross, delivered by Newport’s high-performance I-125 and I-325 Series pneumatic isolators. Both versions reduce transmitted vertical and horizontal vibrations by 85% or more after 5Hz and by more than 95% after 10Hz.

Easier to Use

The Vision IsoStation features a unique platform interface that acts as a docking surface, an accessory mount and a restraint to keep the breadboard atop the frame. This interface also has foot height indicators and an integrated leveling surface to make set up and installation easier than ever. These same features are also useful when the system is relocated to another lab or if system performance needs to be verified. With these new features and integrated leveling last and corner brackets, all users can reduce the setup time on a Vision IsoStation to a mere 15 minutes. These unique features of the Vision IsoStation make it a “plug and play” system! Since the breadboard is shipped pre-installed on the frame customers need no longer need to lift the heavy breadboard during installation.

Newport On YouTube

To better understand and utilize our products, capabilities and expertise, Newport is dedicated to delivering all the resources our customers need to better understand and utilize our products. With a vast collection of high quality videos on our YouTube channel below is a selection of videos featuring vibration control.

• SmartTable OTS System
• Newport Corp Optics Table and S-2000 Stabilizer Isolator set up
• SmartTable OTS Optical Table System
• SmartTable DST Optical Table System
• Vision Series Workstation

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**VISION Isolation Series**

**Vibration Isolation Workstations**

**Performance**

The Vision Isolation Series workstations are comprised of noise isolators and high-quality, heavy-duty work surfaces. Both isolator models incorporate hybrid materials designed to maximize damping and ultra-high-frequency transmissibility to provide a quiet and stable work environment. Elevated workbenches are also available and can be field upgraded to provide isolated performance in the field.

**Specifications**

- **Isolation**
  - Vertical isolation up to medium size optical investigations that may have previously required a platform. Unisolated versions are also available and can be field upgraded to provide isolated performance in the future.
  - Both isolator models incorporate hybrid chamber designs, laminar flow damping and horizontal pendulum isolation to provide a quiet and stable isolation environment.
- **FREQUENCY**
  - Vertical isolation, more than 95% after 10Hz.
  - Horizontal isolation, more than 95% after 10Hz.
- **Isolator Load Capacity**
  - Vision IsoStation is available in two isolated load capacities, 500 lb gross and 1,300 lb gross, provided by Newport’s high-performance I-125 and I-325 platforms.

**Platform Features**

- Easy clean conical cup 0.75 in. (19 mm) deep
- 1/4-20 holes on 1 in. grid (M6-1.0 holes on 25 mm grid)
- 3/16 in. (4.8 mm) thick with integrated damping layer
- Steel sheet materials, 0.030 in. (0.76 mm)

**Storage Options**

- **Ergonomic Support Bar with Armoires**
  - A popular accessory for many workstations is the foot support or hip guard that includes padded armrests which provide an ergonomic support to the user, and may also be used for performing precision assembly. The foot guard can also serve as a storage area for other accessories such as notebooks, keyboards, or other items that are prone to accidental spills and contamination. The keyboard and mouse shelf also includes an integrated mouse shelf for use in either left or right-handed use.

**Hangers and Shelves**

- **Vison Overhead Shelf**
  - A side mounted shelf provides a wide and organized place to locate a computing console or workspace. This shelf attaches to the front of the Vision IsoStation frame to raise the computer console several inches off the floor to promote a higher seated position and reduce interference from affecting sensitive experiments or processes like patching, cleaning, or other maintenance activities. The keyboard and mouse shelf also includes an integrated mouse shelf for use in either left or right-handed use.

**Model Description**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>VIS-HG-72</td>
<td>72 in. hip guard</td>
</tr>
<tr>
<td>VIS-HG-60</td>
<td>60 in. hip guard</td>
</tr>
<tr>
<td>VIS-HG-36</td>
<td>36 in. hip guard</td>
</tr>
<tr>
<td>VIS-HG-30</td>
<td>30 in. hip guard</td>
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</tbody>
</table>

**Breadboard Size**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
</table>
| H-125 | Rigid breadboard (3048)...
| H-325 | Rigid breadboard (3048)...

**Computer Storage**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>VIS-KBA</td>
<td>Keyboard arm mount</td>
</tr>
<tr>
<td>VIS-KFP</td>
<td>Flat panel monitor mount and keyboard mount kit</td>
</tr>
<tr>
<td>VIS-KBAKE</td>
<td>Flat panel monitor arm accessories</td>
</tr>
</tbody>
</table>

**Faraday Cage**

The Vision Isolation Faraday Cage helps reduce electromagnetic interference from affecting sensitive experiments or processes like patching, cleaning, or other maintenance activities. The Faraday cage mounts as an option to the Vision Isolation frame bracket to provide clearance for the use of other accessories like foot supports or overhead shelves. The Faraday Cage is ideally suited for applications requiring a high degree of electromagnetic isolation and provides excellent shielding properties.
**Vibration Isolation Workstations**

**Performance**

The Vision IsoStation is available in two isolated load capacities: 500 lb gross and 1,300 lb gross, provided by Newport's high-performance I-125 and I-325 Platforms.

**Surface Flatness**

- ±0.004 (±0.1) in. (mm) square over 2 ft (600 mm) square
- ±0.006 (±0.15) in. (mm) square over 2 ft (600 mm) square

**Working Surface**

- 400 Series ferromagnetic stainless steel industrial grade or IG breadboard provides a 34 inch working height and the 4" thick surfaces to accommodate the widest range of applications from small bio-instrumentation to use for documentation, sample preparation or component assembly. The top surface features a durable black laminate finish that improves visual contrast for finding the smallest of loose objects like lenses, optical fiber or tissues.

**Extension Shelves**

- VIS-ESR-36 36 in. deep angled extension shelf, right side
- VIS-ESR-30 30 in. deep angled extension shelf, right side
- VIS-ESL-30 30 in. deep angled extension shelf, left side
- VIS-ES-30 30 in. deep straight extension shelf
- VIS-ES-36 36 in. deep straight extension shelf
- VIS-ES-48 48 in. deep straight extension shelf
- VIS-HG-30 30 in. hip guard
- VIS-HG-36 36 in. hip guard
- VIS-HG-48 48 in. hip guard
- VIS-HG-24 24 in. hip guard

**Ergonomic Support Bar with Arms**

A popular accessory for many workstations is the foot support or top guard that includes padded arms which provide an ergonomic support for users that are manipulating microscopes, instruments or performing precision assembly. The foot guard can also serve as a re-enforcing piece for other accessories including monitor arms, keyboard shelves or serve as a protective barrier for the workstation. The Vision IsoStation foot support is a separate item that can be used in cooperation with accessories such as overhead shelves or horizontal arms, keyboard shelves or any piece that spans the top of the Vision IsoStation’s special corner brackets, not the support arms in the work surface. Each guard is shipped with two padded arms and all required attachment hardware.

**AC/DC Air Compressor**

Managers also offer an option to add an air compressor and air tools to provide a clean, high-quality, earthquake resistant facility to especially powerful, foot Vision IsoStation. The AD203 air compressor has a small footprint, light weight and an ultra-quiet 38dB operating noise level for use in sensitive lab environments.

**Vibration Isolation Workstations**

- **Series**: IG and RG
- **2 in. Breadboards**
- **34 inch working height**
- **4 inch thick surfaces**
- **Durable black laminate finish**

**Specifications**

<table>
<thead>
<tr>
<th>FREQUENCY (Hz)</th>
<th>Designation</th>
<th>VR (in%)</th>
<th>HR (in%)</th>
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<tr>
<td>0.01</td>
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<tr>
<td>20</td>
<td>IG</td>
<td>90</td>
<td>90</td>
</tr>
</tbody>
</table>

**Model Description**

- Vision IsoStation Faraday Cage
- Vision IsoStation Extension Shelf
- Vision IsoStation Computer Storage
The Vision IsoStation represents the innovation, customer focus and value that Newport’s Vibration Control Team has been delivering to customers for more than 40 years. In addition to our broad standard product offering, our capabilities as designers and manufacturers of custom solutions is unmatched. With over 40 years of experience in other optical table suppliers have manufactured more doublet table systems, specialized isolators, accessories or unique systems solutions than our Custom Products Team. Contact our team today to get the technical support, expert advice and solution options to help drive your innovation and stay within your budget.

Newport On YouTube

The Vision IsoStation features a unique platform interface that acts as a docking surface, an accessory mount and a restraint to keep the instrumentation secure. It also has a built-in restraint system that slides over the table to help keep the load end-of-arm attachment installed. These same features are also useful when the system is relocated to another lab or if system performance needs to be verified. With these new features and integrated leveling feet and casters standard on all versions the system is much easier and safer to transport and install.

New Features

All standard Vision isolation systems are designed completely assembled and include integrated frame leveling feet with casters, a pre-installed optical support, expert advice and solution options to help drive your innovation and stay within your budget.

The Vision IsoStation features a unique platform interface that acts as a docking surface, an accessory mount and a restraint to keep the instrumentation secure. It also has a built-in restraint system that slides over the table to help keep the load end-of-arm attachment installed. These same features are also useful when the system is relocated to another lab or if system performance needs to be verified. With these new features and integrated leveling feet and casters standard on all versions the system is much easier and safer to transport and install.

These standard features make the Vision IsoStation easier to install, set up and operate for any application than any other isolated workstation available.

Newport On YouTube

Videos:
• Newport Corp Optical Table and S-2000 Stabilizer isolator set up
• SmartTable® OTS System Installation

The Vision IsoStation provides industry leading performance and more user friendly features and accessories than any other vibration isolation workstation. All of the features and accessories have been designed specifically to improve ease-of-installation, setup and lab space utilization.

The Vision IsoStation is available in a variety of capacities, 500 and 1,300 lbs. delivered by Newport’s high-performance I-125 and I-325 Series pneumatic isolators. Both versions reduce transmitted vertical and horizontal vibrations by 85% or more than 94% and by more than 50% of 10Hz.

Easier to Use

The Vision IsoStation features a unique platform interface that acts as a docking surface, an accessory mount and a restraint to keep the instrumentation secure. It also has a built-in restraint system that slid over the table to help keep the load end-of-arm attachment installed. These same features are also useful when the system is relocated to another lab or if system performance needs to be verified. With these new features and integrated leveling feet and casters standard on all versions the system is much easier and safer to transport and install. Another unique feature of the Vision IsoStation is the new doublet package that not only reduces packaging material but also allows users to simply ship their system end-of-the-line and add the restraint when needed. Since the doublet is shipped pre-assembled on the frame customers no longer need to lift the heavy doublet during installation.

New Accessories

The Vision IsoStation family also includes a new offering of accessories designed specifically for modern scientific and biological investigations. This includes several new instrumentation and accessory storage options.
The Vision IsoStation

The Vision IsoStation family also includes a new offering of accessories designed specifically for modern scientific and biological investigations. Customers no longer need to lift the heavy breadboard during installation. Since the breadboard is shipped pre-installed on the frame customers no longer need to lift the heavy breadboard during installation.

Easier to Use

The Vision IsoStation features a unique platform interface that acts as a docking surface, an accessory mount and a restraint to keep the breadboard steady. The interface also has float height indicators and frame bubble levels to make setup and installation easier than ever. These same features are also useful when the system is relocated to another lab or if system performance needs to be verified.

Better Performance - More Options

The Vision IsoStation is offered with platform sizes from 24”x24” up to 36”x72” to accommodate the widest range of applications from small bio-instrumentation isolation up to medium size optical investigations that may have previously needed a full sized optical table. The Vision IsoStation now has six models available in load capacities from 250lb to 1200lb gross, delivered by Newport’s high performance I-125 and I-325 Series pneumatic isolators. Each version reduces transmitted vertical and horizontal vibrations by 85% or more when used with and by more than 50% when used with.

New Features

All standard Vision IsoStation systems are vibrationally isolated, precisely aligned and include integrated home leveling feet with casters, a pre-installed optical breadboard and corner brackets. These unique corner brackets feature integrated bubble levels, multiple attachment points and provide docking, seismic restraint and float height indication of the breadboard. A new roll-off package makes unpacking and installation fast and easy. Another unique feature of the Vision IsoStation is a new shipping package that not only reduces packaging materials but also allows users to simply roll their system off into their lab, it’s as plug-and-play as can be! Since the breadboard is shipped pre-installed on the frame customers no longer need to lift the heavy breadboard during installation.

New Features

Visiting Newport... The Vision IsoStation Series

Vibration Isolation Workstation

The Vision IsoStation provides industry leading performance and more user friendly features and accessories than any other vibration isolation workstation. All of the features and accessories have been designed specifically to improve ease-of-installation, setup and lab space utilization.

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The Vision IsoStation is offered in different platform sizes from 24”x24” up to 36”x72” to accommodate the widest range of applications from small bio-instrumentation isolation up to medium size optical investigations that may have previously needed a full sized optical table. The Vision IsoStation now has six models available in load capacities from 250lb to 1200lb gross, delivered by Newport’s high performance I-125 and I-325 Series pneumatic isolators. Each version reduces transmitted vertical and horizontal vibrations by 85% or more when used with and by more than 50% when used with.

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