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Acoustic, Vibration, and
EMI Isolation Specialists

NDW Series Data Sheet

Overview

Laboratory workstations are important solutions for researchers requiring unwavering reliability, ease-of-use, and vibration isolation performance. The NanoDamp (NDW) Series from Herzan builds on its two decades experience tailoring solutions to meet the unique needs of their respective application.

The NDW Series incorporates three forms of vibration isolation technology to address the wide range of isolation and budgetary needs for researchers, including:



Standard NanoDamp Workstation
With **Shelving** Upgrade



Passive NanoDamp Workstation
With **Onyx Series** Upgrade



Active NanoDamp Workstation
With **AVI Series** Upgrade

Product Highlights

- > Unique NanoDamp Vibration Reduction Technology
- > Multiple Vibration Control Technologies Available
- > Ergonomic/Premium Finish Suited for Any Lab
- > Multiple Upgrades Available to Improve Research
- > 100% Customizable to Meet Individual Requirements
- > Easy to Install and Simple to Use

Popular Applications

- > Atomic Force Microscopy
- > Confocal Microscopy
- > Profilometry
- > Ultramicrotomy
- > Metrology Tools
- > Highly Sensitive Laboratory Equipment

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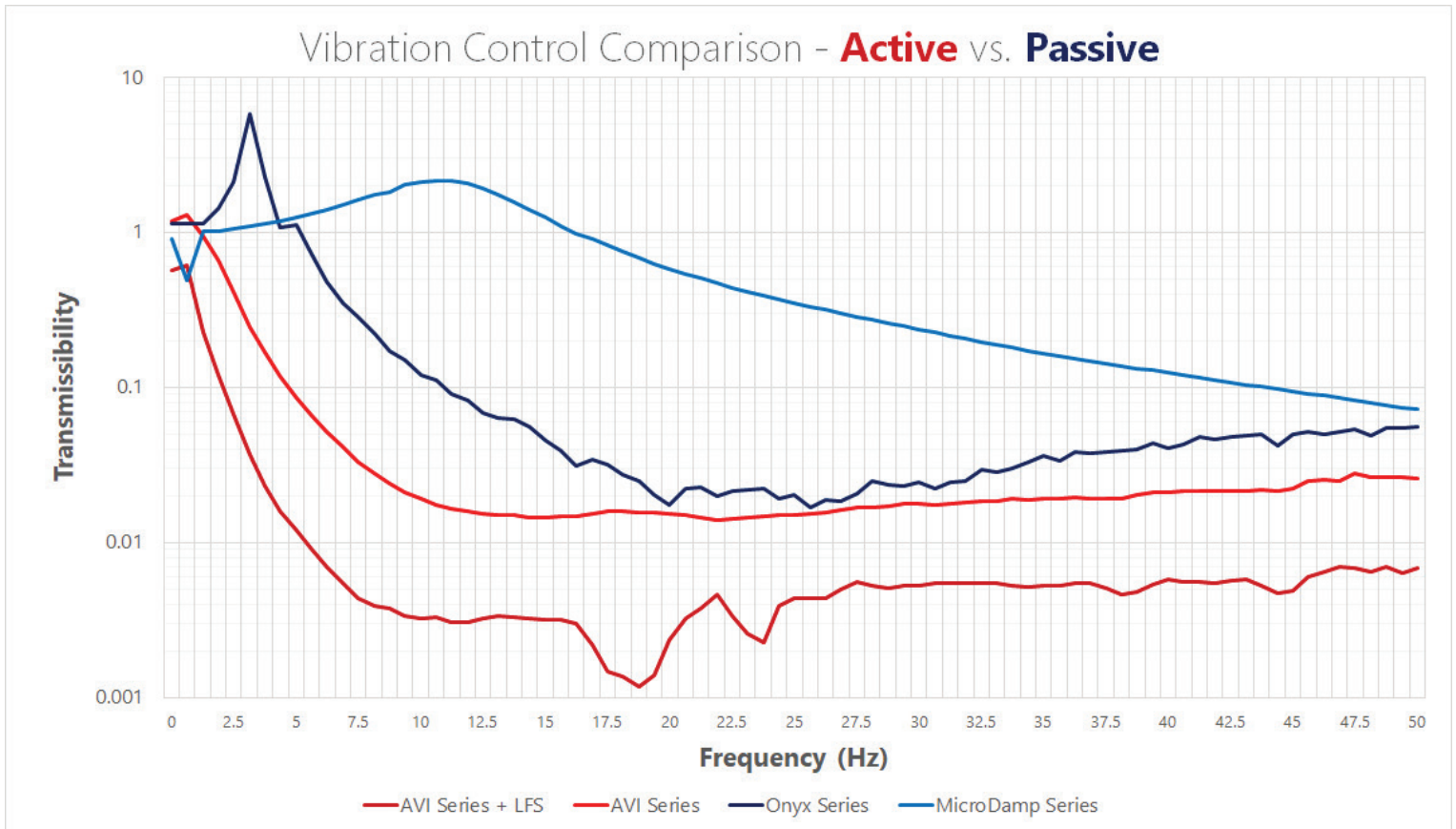
Performance Comparison

NDW Series Type	Isolation Technology	Performance
Standard*	NDW Series Proprietary Technology Lining Interior Workstation Frame	★ ☆ ☆ ☆ ☆
Passive	Pneumatic Vibration Control Onyx or MicroDamp Series Isolation Systems	★ ★ ★ ☆ ☆
Active	Active Vibration Control AVI or TS Series Isolation Systems	★ ★ ★ ★ ★

* All performance upgraded NDW workstations include the proprietary technology found in standard NDW workstations

Vibration Control Comparison

Vibration control performance comparison only includes vibration control upgrades for NDW Workstations. The frequency span is truncated to focus on critical frequencies of concern for majority of precision microscopes (0 - 50 Hz). The AVI Series + LFS demonstrates the improved performance of the AVI Series platform with the low-frequency performance upgrade LFS System.





NDW Series Selection Guide

Model	Isolation Technology	Load Capacity	Dimensions (D x W x H)
NDW-2424	Standard (NDW Series Technology)	1,000 Lbs / 455 Kgs	24 x 24 x 31 inches 610 x 610 x 787 mm
	Passive (Onyx Series Technology)	200 Lbs / 91 Kgs	
	Active (AVI-200S Isolators)	700 Lbs / 318 Kgs	
NDW-2430	Standard (NDW Series Technology)	1,000 Lbs / 455 Kgs	24 x 30 x 31 inches 610 x 762 x 787 mm
	Passive (Onyx Series Technology)	200 Lbs / 91 Kgs	
	Active (AVI-200M Isolators)	700 Lbs / 318 Kgs	
NDW-2436	Standard (NDW Series Technology)	1,000 Lbs / 455 Kgs	24 x 36 x 31 inches 610 x 914 x 787 mm
	Passive (Onyx Series Technology)	200 Lbs / 91 Kgs	
	Active (AVI-200M Isolators)	700 Lbs / 318 Kgs	
NDW-3030	Standard (NDW Series Technology)	1,000 Lbs / 455 Kgs	30 x 30 x 31 inches 762 x 762 x 787 mm
	Passive (Onyx Series Technology)	200 Lbs / 91 Kgs	
	Active (AVI-200M Isolators)	700 Lbs / 318 Kgs	
NDW-3036	Standard (NDW Series Technology)	1,000 Lbs / 455 Kgs	30 x 36 x 31 inches 762 x 914 x 787 mm
	Passive (Onyx Series Technology)	200 Lbs / 91 Kgs	
	Active (AVI-200M Isolators)	700 Lbs / 318 Kgs	
NDW-3636	Standard (NDW Series Technology)	1,000 Lbs / 455 Kgs	36 x 36 x 31 inches 914 x 914 x 787 mm
	Passive (Onyx Series Technology)	200 Lbs / 91 Kgs	
	Active (AVI-200XL Isolators)	700 Lbs / 318 Kgs	
NDW-TS150	Standard (NDW Series Technology)	1,000 Lbs / 455 Kgs	15.7 x 17.7 x 31 inches 400 x 450 x 787 mm
	Passive (Onyx-6A Table)	200 Lbs / 91 Kgs	
	Active (TS-150 Table)	330 Lbs / 150 Kgs	
NDW-TS140	Standard (NDW Series Technology)	1,000 Lbs / 455 Kgs	19.7 x 23.6 x 31 inches 500 x 600 x 787 mm
	Passive (Onyx-7A Table)	200 Lbs / 91 Kgs	
	Active (TS-140 Table)	308 Lbs / 140 Kgs	
NDW-TS300	Standard (NDW Series Technology)	1,000 Lbs / 455 Kgs	23.6 x 31.5 x 31 inches 600 x 800 x 787 mm
	Passive (Onyx-8A Table)	200 Lbs / 91 Kgs	
	Active (TS-300 Table)	660 Lbs / 300 Kgs	

Selection Steps

Step 1: Choose the workstation size that best supports your research instrument.

Step 2: Choose if additional isolation technology is required for your application. Passive Isolation Technology addresses vibrations above 5 Hz; Active Isolation Technology addresses vibrations above 0.5 Hz.

Note: when ordering, indicate after the model number which type of isolation technology is needed. *For example:* NDW-2424 does not include additional isolation, NDW-2424P includes passive isolation, and NDW-2424A includes active isolation.



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Popular Upgrades

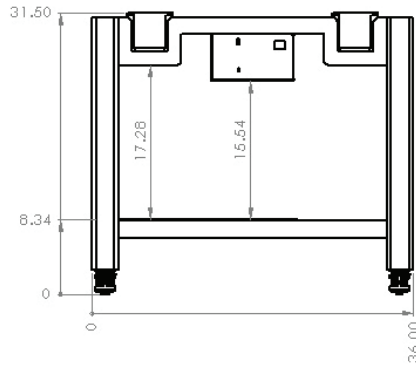
The design of the NDW Series workstations allows the easy integration of a variety of upgrades to improve the user experience and overall effectiveness of the workstations. These upgrades relate to improvements in performance, form factor, operation, and more.



Vibration Control Upgrades

Adding a vibration control system to a NDW workstation can greatly improve the low-frequency vibration control performance of the workstation, delivering the lowest noise floor possible for microscopes.

- > Passive Vibration Control Upgrade: Add "P" to the end of the model number (i.e. NDW-2424P)
- > Active Vibration Control Upgrade: Add "A" to the end of the model number (i.e. NDW-2424A)



Custom Sizes and Load Capacities

Every NDW workstation can be fully customized to meet the size and load capacity requirements of the researcher. Herzan's team of engineers frequently customizes standard workstations to accommodate unique requirements, ensuring the researcher does not have to compromise in terms of performance, capability, or functionality.



Ergonomic Upgrades

Feeling comfortable and easily accessing instrument features is available to every NDW workstation. Standard solutions like a keyboard tray or shelving system; or custom solutions unique to the researcher's application can be integrated to maximize the user experience of the user performing measurements.



Acoustic Enclosures

Herzan's acoustic enclosures are easily integrated onto NDW workstations to provide comprehensive acoustic and vibration control for high precision applications. Each acoustic enclosure can be customized to fit the specific size required to enclose the instrument or surround the entire NDW workstation.



Custom Top Plates / Breadboards

All NDW workstations can include a variety of custom top plates and breadboards to meet the individual research requirements of the application. Additionally, Herzan can design its workstations to accommodate the size of existing breadboards owned by the researcher, to deliver maximum value for their NDW workstation.



Cleanroom Compatibility

Herzan specializes in upgrading its NDW workstations to meet stringent cleanroom classification standards, delivering up to Class 10 cleanroom compatibility for all workstations delivered. Perfect upgrade for cleanrooms, dust-free rooms, or particle-sensitive environments.



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