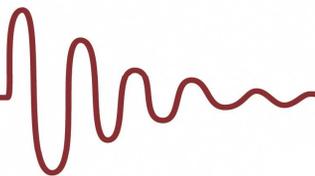




AVI Series Prep Guide

Congratulations on purchasing an AVI vibration isolation system! To ensure installation of your isolation system will be performed without a hiccup, Herzan has created a preparation guide to review important features that will make the setup of your system smooth. Please take a moment and review the set up features:

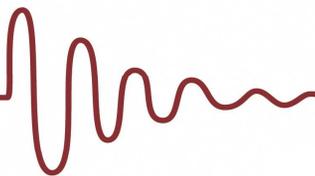
Feature	Details	Yes or No?
<i>Does the AVI System have a large enough load capacity to support your instrument?</i>	Every AVI system comes with a designated load capacity stated on the original quote. To ensure proper support and vibration isolation performance, verify the weight of your instrument does not exceed the load capacity of the AVI system. If the instrument weighs more than the load capacity of the AVI system, a new product recommendation will need to be made.	
<i>Is the Displacement of Mass Central Throughout the Supported Instrument?</i>	The load capacity is designed to account for a central weight displacement and/or central point of mass for the instrument. If either of these conditions is not met and the instrument has an extreme weight displacement, or the loads on any of the feet exceed $\frac{1}{4}$ of the total load capacity of the system (assuming there are four feet), a revision of the system recommendation may need to be revisited (unless it was originally taken into account and discussed with a Herzan representative).	
<i>Do you plan on adding additional accessories that may increase the weight of the instrument?</i>	If additional accessories are planned for the future of your instrument (whereby exceeding the load capacity of the AVI system occurs), a revision to the original system recommendation will be needed. Additionally, the AVI-400 and AVI-600 can be retrofitted to accommodate higher load capacities, where additional support springs can be installed after original purchase (excluding AVI-400 Plus and AVI-600 Ultra systems). Please make note of the weight enhancements when adding instrument accessories and consult with a Herzan representative if additional springs will be needed for your instrument.	





AVI Series Prep Guide Continued...

Feature	Details	Yes or No?
<i>Does the floor within the lab meet Herzan's floor flatness specification?</i>	Floor flatness is necessary to ensure stability and support consistency for the AVI Series. The floor resting underneath the AVI system will need to meet the 2 millimeters per 1 meter requirement. If the floor meets this specification, a bottom mounting plate will not be required. If the floor does not meet this specification, a bottom mounting plate will be required. The addition of this bottom mounting plate will ensure optimal vibration isolation performance for the AVI system and proper ground support.	
<i>Is there adequate room for an installation of the AVI System to be performed?</i>	Installation of the AVI system requires enough room to operate around the supported instrument, ensuring the modules are properly situated, adjusted and installed. With adequate space, installation of the system will be performed without unnecessary complications. It is recommended that at least 2 Feet of space surround the instrument to allow the installer enough room to perform a proper installation.	
<i>When lifting the instrument off of the ground, is there enough clearance for the AVI modules to be installed?</i>	It is common for an instrument to have height adjustment feet, allowing the instrument to be raised and lowered depending on what is required. When installing the AVI modules, a minimum of 5" of clearance underneath the instrument will be needed (an additional 1.5" if mounting plates are required). If the height adjustment feet are not capable of achieving this minimum height clearance, a forklift, pallet jack or rigger will be needed to lift the instrument high enough to allow the AVI modules to be installed. Herzan offers customers the option to rent a modular instrument lifting mechanism during the installation of your instrument. This lifting mechanism can provide lifting assistance in a situation where none of the above tools are available. Its modular design allows it to be applicable to most instrument form factors.	





AVI Series Prep Guide Continued...

Feature	Details	Yes or No?
<i>Does the supported instrument have proper cable management?</i>	Poor cable management can counteract the effects of vibration isolation by delivering ground vibrations directly into the supported instrument. To prevent poor performance of the instrument, proper cable management is recommended in order to get the most out of the vibration isolation system and the supported instrument. During installation of the AVI System, please adhere to the cabling of the instrument and ensure the cables are not resting on the floor, in contact with a vibrating surface or have sufficient slack. Utilizing these preventative measures will help eliminate external vibrations hindering the vibration isolation performance of the AVI System. Refer to the cable managements link on our website: http://www.herzan.com/resources/tutorials/cable-management.html	
<i>Have questions?</i>	Please call Herzan at (949) 363-2905 or email support@herzan.com . Normal office hours: Monday – Friday (8:00 AM – 6:00 PM PST).	

Herzan is glad to assist if any of these features cannot be met. Contact us today if any of these features are an issue and we will help provide a solution to you!

