

\_active vibration isolation for heavy loads
halcyonics\_sandwich
and halcyonics\_duo series



# Active Vibration Isolation Heavy Loads halcyonics\_sandwich / halcyonics\_duo series

### **ABSTRACT**

The compact and solid construction of the halcyonics sandwich Series is used with many different sensitive heavy load systems throughout the world. Its load range, beginning at 600 kg | 1.320 lbs allows, e.g. the use of SEMs up to their highest possible magnifications even under severe environmental conditions like building vibrations by machinery, nearby traffic, air conditioning units, etc. As an alternative to the Sandwich Series, Accurion offers the versatile heavy load halcyonics\_duo Series. They carry up to 400 kg | 880 lbs per element. Two or more of these independent elements are combined to carry loads of 800 kg | 1.760 lbs or more. Only a standard AC wall outlet is necessary to run the system with its integrated control electronics. It provides vibration isolation unmatched by bulky pneumatic isolators. The manual adjustment procedure is the precondition for optimum isolation performance.

# **APPLICATIONS**

Applications for the halcyonics\_sandwich Series include:

- SEM
- UHV STM
- Semiconductor Machinery
- UNV Chambers
- ... and many more





# **FEATURES**

- Modular design: two different Sandwich sizes – five load ranges
- Standard AC power is sufficient – no compressed air neccessary
- Isolation starts at 1.0 Hz reaching > 98.2 % at 10 Hz
- Separate controller no heat dissipation interferes with the experiment
- Active Control eliminates resonance frequencies – settling time only 0.3 s

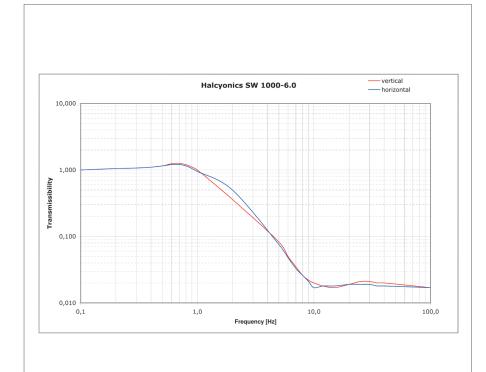
## **BENEFITS**

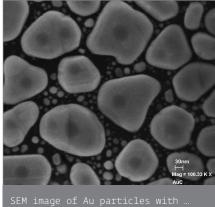
- Supreme performance even under severe environmental conditions
- Active isolation with the halcyonics\_sandwich Series starts from 1.0 Hz and is active until 200 Hz (and passive above 200 Hz)
- ideal to dampen building vibrations
- SEM lifting tools available
- Reliable systems: after passing specific quality control procedure
- Two year quarantee
- Qualified service: for standard and customized solutions factory trained personnel will support you in finding the optimal solution for your application and assist you with the installation
- Low voltage electromagnetic actuator avoid high voltage used for many Piezo systems = no interference with your delicate instrumentation
- Rapid delivery allow you to start your work right away and shorten the time to publish your results
- Service hubs in Europe, US and Asia for fast support

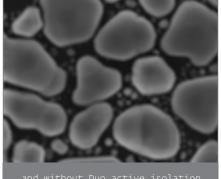












# RECOMMENDED ACCESSORIES

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