



Isolation type
Over 6 DOFs



Drive force cancellation
Feed-forward accuracy up to 99%



Payload
Up to 4500 kg

QUIET POD

Active Isolation System

 For semiconductor applications

Experience unprecedented process stability with the QUIET active isolation system, neutralizing floor vibrations and cancelling out motion system reaction forces, ensuring flawless operation of your machine.

In semiconductor applications, vibration can drastically affect machine accuracy and throughput performance. ETEL's QUIET Series revolutionizes this, augmenting our Forward Integration Strategy by seamlessly integrating advanced motion systems and state-of-the-art controllers with our proprietary active isolation module. This comprehensive solution minimizes move

and settle times, harnessing a unique digital control architecture to cancel out reaction forces and maintain process accuracy. With its modular design coupled to standard AccurET controllers, the QUIET Series offers unparalleled adaptability and reliability, promising optimal performance tailored to your requirements.

ACTIVE ISOLATION SYSTEM

Cancels floor vibrations and motion system reaction forces along six degrees of freedom, ensuring your semiconductor process stability.

ADVANCED TECHNOLOGY INTEGRATION

Low frequency spring based isolator coupled with active damping through linear motors and dedicated high-end sensors.

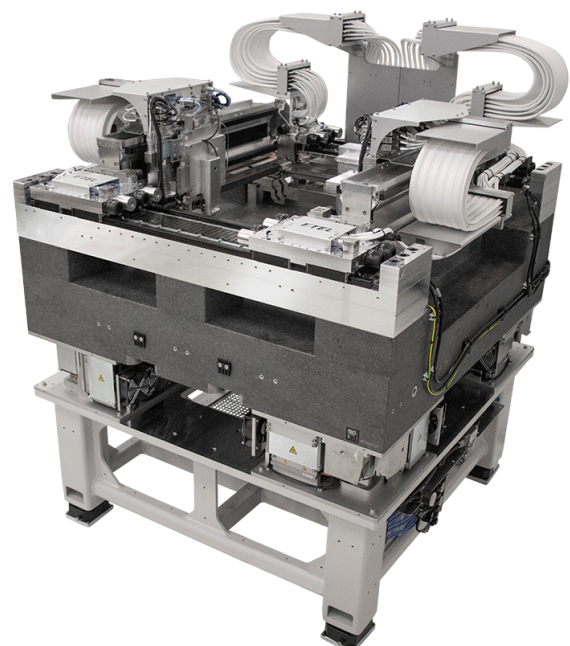
MODULAR AND SCALABLE DESIGN

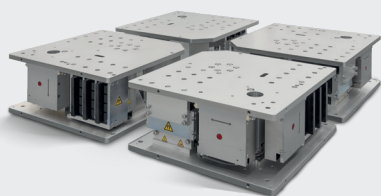
Pre-selected standard components allowing quick customization to your application needs, compatible with standard AccurET controllers for an homogeneous and high performing control architecture.

USER-FRIENDLY COMMISSIONING TOOL

Pre-selected standard components allowing quick customization to your application needs, compatible with standard ACCURET controllers for an homogeneous and high performing control architecture.

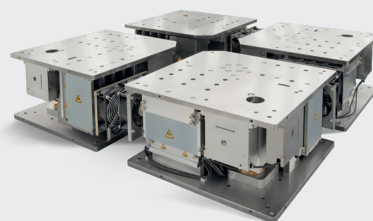
Integration example





Small POD (x4)

- > For semiconductor front-end applications
- > 2 static mass ranges
FROM 600 TO 1000 kg
- > Natural air cooling
- > 4 different configurations

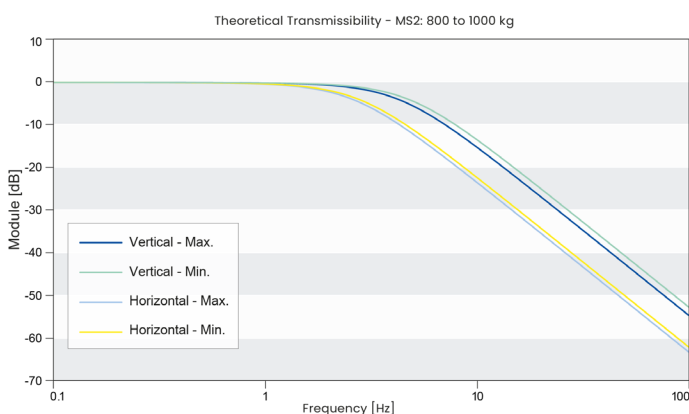


Large POD (x4)

- > For semiconductor back-end applications
- > 3 static mass ranges
FROM 1000 TO 4500 kg
- > Natural or forced air cooling
- > 36 different configurations

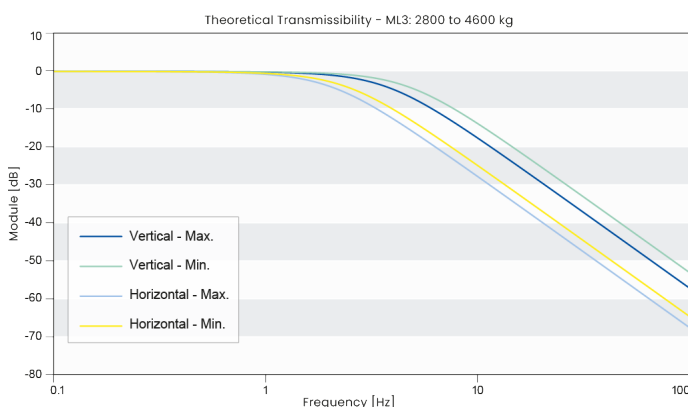
TRANSMISSIBILITY

Small POD



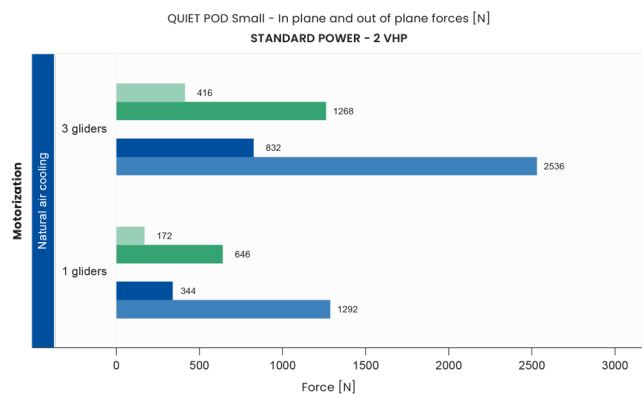
TRANSMISSIBILITY

Large POD



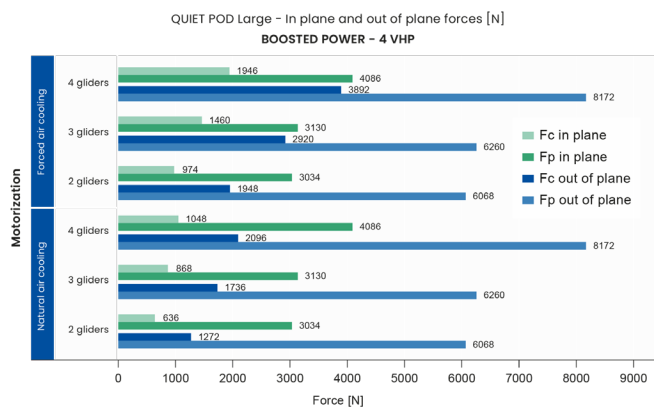
IN PLANE AND OUT OF PLANE FORCES

Small POD



IN PLANE AND OUT OF PLANE FORCES

Large POD



More info



Ver. 1.1

PRECISELY. **ETEL**