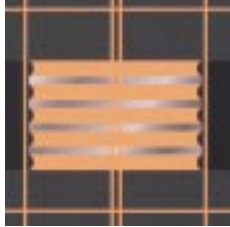


# NEW TECHNOLOGIES



## ACTIVE ISOLATION

### INTRODUCTION

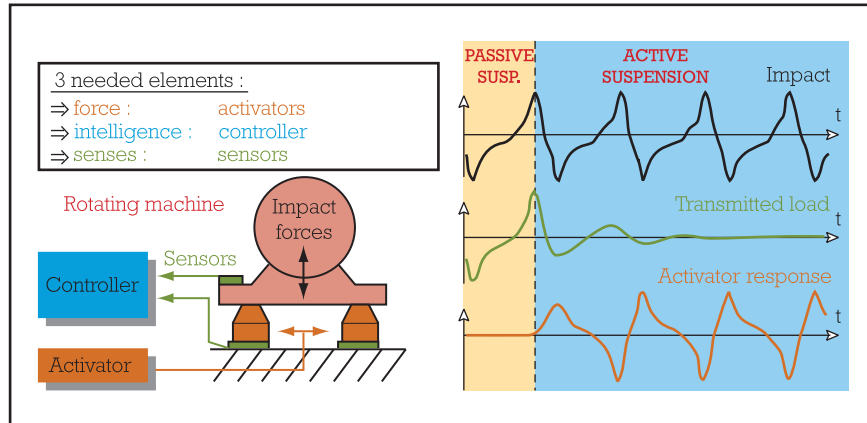
Since 1988, PAULSTRA have designed and developed active isolation systems. These systems are an extension of the PAULSTRA/VIBRACHOC range of product with high efficiency at low frequencies.

Active control combines our knowledge in vibration control to the efficiency of electronic systems.

### ADVANTAGES

- To improve dynamic isolation offered by passive suspensions of the same stiffness.
- To improve uncoupling between structures.
- To simplify the installation of the equipment by reducing or eliminating inertia blocks.
- To reduce structural stress and increase life.
- To reduce noise.
- To reduce movement of connections to equipment.

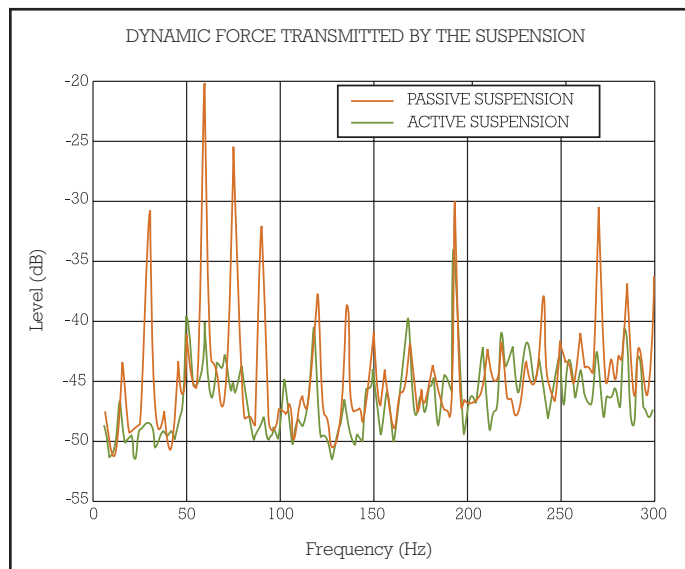
# OPERATING PRINCIPLE



# RESULTS

This graph shows comparison between a machine fitted on a passive suspension (red curve) and an active suspension (green curve)

It clearly shows that active control significantly reduces the levels of the loads transmitted to the structure.



# EXAMPLE

## 3 axis active suspension

