



BALANCE S

Keeping everything in balance, effectively eliminating disturbances from the environment in order to concentrate on what really matters – these properties were the focus during development and are also reflected in the name: “Balance”

The active vibration isolator “Balance S” stands for high isolation damping even in the low-frequency range, while at the same time effectively compensating for direct disturbances. This performance is achieved with the help of active control forces that shift the resonance frequency to below 1 Hertz. Our “Balance S” is equipped with highly sensitive sensors and actuators known from the “Balance A”, that are designed to counteract even strong disturbances caused by the interaction of the user with the applications.

The “Balance S” fits naturally into your work environment. Always ready for use and working in the background, robust enough so that no special consideration has to be taken,



The result is maybe the active isolator that enters the world of passive air suspension systems in terms of price. The “Balance S” is for all customers who do not want to compromise on performance or who want to replace their previous passive isolator with a fully-fledged active isolator.

The “Balance S” isolator is equipped with the same active control system including sensors and actuators as the “Balance A” in order to effectively isolate the payload against any oscillation in all 6 degrees of freedom.

You do not need any specific specialist knowledge to operate the Yuanda Tech “Balance S” isolator and you can concentrate fully on your actual activities.

The standard version is designed for weights from 10 to 100kg. In addition, we offer a high-performance variant “Balance S HQ”, which raises the insulation performance almost to the level of our high-end device “Balance A”.



Main specifications

- High isolation performance, with -30 dB reduction at 10 Hz
- Passive suspension system with up to 8N of active control forces
- Active control of all 6 degrees of freedom
- No compressed air required
- “Ready-to-use”: Active isolation is instantly available upon connection with power
- Designed for payloads in the range from 10 until 100kg
- Schlichtes, hochwertiges Design
- High-performance variant “HQ” with even superior isolation characteristics available

Sizes

- 500×400 mm
- 600×400 mm
- 600×600 mm
- 900×600 mm