



LNP® 3 workstation with halcyonics_nano 30

Technical data halcyonics_nano 30

Load capacity	18 - 35 kg
Measurements	400 x 300 x 75 mm ³
Weight	11,3 kg
Active frequency range	1 - 200 Hz
Insulation capacity	5 Hz : min. 23 dB (93.0%) from 15 Hz: 40 dB (99.0%)

Key Features

- Active vibration insulation in all six degrees of freedom
- Short settling period and positional stability
- Power supply of a mains plug is sufficient; no need for compressed air supply
- No natural low resonance frequency, which means excellent vibration characteristics even in frequencies under 5 Hz
- Easy to install: quick set up of the system – no load calibration necessary
- Ultra-compact and mobile
- Better vibration insulation (>99,0 % insulation over 15 Hz) than big optical tables
- External control unit



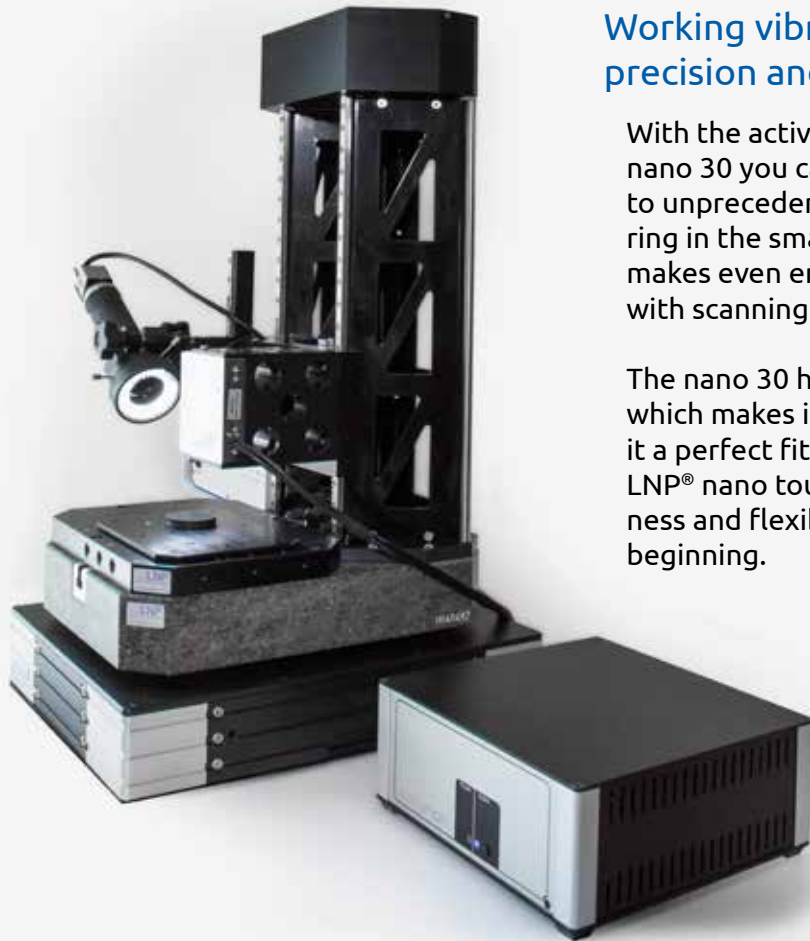
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Active vibration insulation with halcyonics_nano 30



Working vibration-free with highest precision and at the highest level

With the active vibration insulator halcyonics_nano 30 you can bring your LNP[®] nano touch up to unprecedented top performance while measuring in the smallest dimensions! This technology makes even entry-level active vibration insulation with scanning probe microscopy possible.

The nano 30 has a very light weight of 11.3 kg which makes it very mobile. This feature makes it a perfect fit for the product philosophy of the LNP[®] nano touch, which combines precision, lightness and flexibility in one product from the very beginning.

Setting up and combining the halcyonics_nano 30 with a LNP[®] workstation is exceptionally easy. There is no need for adjustment or work piece calibration before you can use the nano 30. Simply place the measuring column of your LNP[®] workstation on top of the nano 30, plug in the wires, loosen the transport safety, flip the switch and start measuring!

From 1 Hz the active vibration insulation applies and increases significantly from this frequency. From over 15 Hz the halcyonics_30 reaches an isolation of 40 dB – which means 99,0 % of the vibrations are being effectively isolated.