

**LABORATORY PRODUCTS**

Cost-effective and Portable Alternative for Clean Room Conditions Announced

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A clean environment plays an increasingly important role in various branches of industry such as the food industry, refinement, packaging as well as in science and research. Particularly in working areas where airborne dust particles can lead to manufacturing defects or poor quality and thus financial losses during the processing of products, it consequently seems necessary to set up clean rooms whose purchase and maintenance are associated with high costs.

Spetec's cleanroom technology aims to remove particles with a diameter of 0.12 μm and larger in the narrowest of spaces, where the highest cleanliness standards must ensure a reliable process flow. Spetec's mobile, ready-to-use cleanroom devices can be used in particular for the assembly or storage of dust-sensitive mechanical or electronic components in the production areas of mechanics, electronics, opto-electronics, medical or biotechnology.

The mobile CleanBoy® cleanroom workstation enables users to create cleanroom conditions in any work area with effective results at low investment costs. As a mobile version on wheels, it can even be transported to various locations within the company. Tailor-made adaptations to problematic workplaces are also possible.

The CleanBoy® consists of a laminar flow module series SuSi® (Super Silent) and a carrying frame made of anodised aluminium profiles. The air is aspirated from the ambient air via a pre-filter, filtered through a high-

performance filter of type H14 and directed laminar over the workplace. The filter has a separation efficiency of 99.995%, i.e. with a particle size of 0.12 µm (according to MPPS) the filter separates at least 99.995% of all particles. It has an insulation factor of 10,000, which improves the air quality in the clean room station at least 10,000 times compared to the environment.

You therefore work under ISO 5 clean room conditions on the unit table top. This applies equally to the CleanBoy® Mini (tabletop unit) and the CleanBoy® Maxi (floor-standing unit).

By using the CleanBoy® in a large, walk-in clean room, a limited space is created where practically no particles can be detected. The device is available as a tabletop and floor-mounted unit. It requires no installation and is ready for use immediately after delivery.

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