

Preventing unsafe masks from being produced in the first place

Quality testing of filter material directly during production

Karlsruhe, July 12th 2021 - The [P-MFP inline filter test stand](#) developed by Palas GmbH is used by UNIVENT in Villingen-Schwenningen. The device tests the quality of the filter material of masks directly during production.

Palas GmbH from Karlsruhe has been manufacturing test stands for testing filter materials not only since the beginning of the pandemic. Countless masks were tested for their quality with these test stands. Many masks failed and did not provide sufficient protection - for example from particles in the size range of virus-laden aerosols.

Checking every single mask

In order to make quality control in the production of masks even more effective, Palas GmbH has developed the P-MFP inline. The test stand is installed directly in the production line. This means that not only individual random samples of the final results are checked. A continuous quality monitoring is possible throughout the entire production process.

Previously, UNIVENT also checked the filter material before the masks were produced - and ensured high quality. Now, however, every millimetre of the filter material is checked during the manufacturing process and an automated alarm is triggered in case of deviations. UNIVENT Managing Director Thomas Vosseler: "This allows us to guarantee the correct filter performance for each individual mask." Dr Maximilian Weiß, Managing Director of Palas GmbH adds: "Above all, the safety of medical staff is very important. That they can rely on high-quality protective equipment must be verifiable and controllable!"

Another advantage is that inferior filter material can be removed directly, resulting in fewer rejects and faulty production. This saves time and money.

Precise measurement technology

The measurements are carried out with the highly precise and proven Palas® technology. The system works with a medical-grade salt aerosol and extremely low mass concentration, much lower than in room air. This meets the hygienic requirements for the production of medical protective masks (FFP2). Based on the Promo® LED 2300 aerosol spectrometer, penetration is measured for the smallest particles in the virus-relevant range.

Palas GmbH was founded in 1983 and has approximately 100 employees at its location in Karlsruhe. Palas GmbH is a subsidiary of Brockhaus Capital Management AG, which is listed in the Prime Standard on the Frankfurt Stock Exchange (BKHT, ISIN: DE000A2GSU42).

Pressecontact:

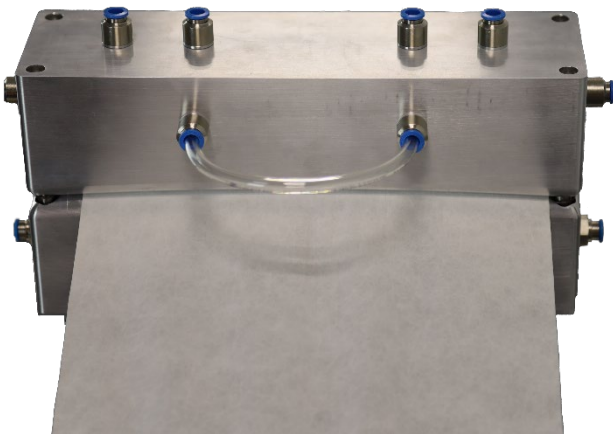
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P-MFP inline 2300



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