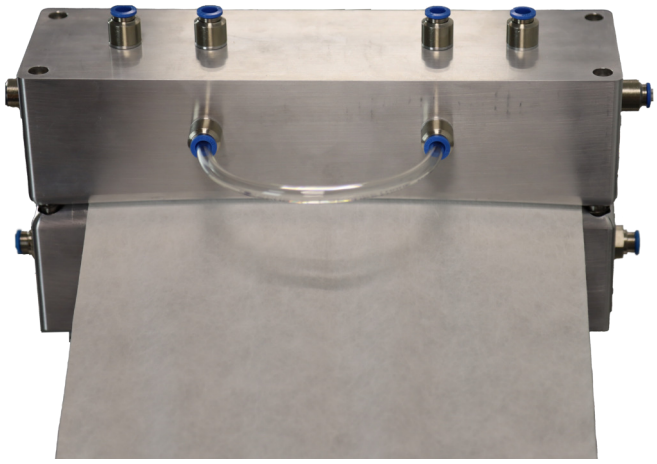
P-MFP INLINE 2300



The P-MFP inline 2300 enables 100 % control of flat filtration media without influencing it.

For quality assurance of filter media, a salt aerosol is applied in a defined manner, and the particle size is measured before and after the medium using the aerosol spectrometer. This allows penetration/filter efficiency, pressure drop, and breathing resistance to be measured at 100 % of the material, thus providing a statement on quality. This data can also be used to control processes in manufacturing and processing plants. It is also possible to use the P-MFP inline 2300 as a "stand-alone" solution and thus perform outgoing and incoming goods inspections.

BENEFITS

- 100 % quality control
- Continuous monitoring and logging of actual product quality
- Filtration characteristics, as well as pressure difference and/or respiration resistance for the entire belt material
- Individually adjustable limit values related to particle concentration difference and/or pressure difference
- Possibilities for incoming as well as outgoing goods inspection
- Cost optimization
- Reduction of rejects
- Optimization of production efficiency
- Easy integration into existing plant
- Modularity
- Adaptation of all components to the respective application possible
- Retrofittability of existing systems
- Easy to maintain

APPLICATIONS

- Mask making
- Nonwoven fabric production
- Production of filtration media (e.g., a combination of several layers of material)
- Production of filters (e.g., nonwoven roll at the beginning, pleated filter at the end)

Aerosols	Salts (NaCl)
Interfaces	USB-C, ethernet (LAN), RS-232, analog/digital signal
Protocols	TCP/IP, Modbus, UDP
Power supply	115 – 230 V, 50/60 Hz
Compressed air supply	6 – 8 bar
Belt width	250 – 1,000 mm (customer-specific adaptations possible)
Belt thickness	1 – 10 mm (customer-specific adaptations possible)
Belt speed	Depending on application (customer-specific adaptations possible)
Dimensions	Inline: customer-specific adaptations, stand-alone: possible for roll widths 250 - 1,000 mm