

APPLICATIONS

- Industrial manufacturing
- Automotive industry
- Research and development
- Healthcare and pharmaceuticals
- Consumer products
- Chemical and petrochemical industry



OUR CORE COMPETENCIES

- Filter test systems
- Aerosol spectrometer systems
- Fine dust monitoring systems
- Nanoparticle measurement systems
- Particle generation systems
- Dilution systems
- Clean room particle technology
- Special developments
- Calibration systems
- Services
- Training courses and seminars

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PALAS 4

FILTER TESTING SERVICE



FLAT SHEET

with the MFP 3000

- FRACTIONAL EFFICIENCY with DEHS, dust, NaCl or KCl
- LOADING with dust
- DIFFERENTIAL PRESSURE

GENERAL VENTILATION AIR FILTERS

with the MFP 3000

- FILTER EFFICIENCY FOLLOWING ISO 16890
- FILTER EFFICIENCY FOLLOWING EN 779
- FILTER EFFICIENCY AND LOADING FOLLOWING ASHRAE 52.2

ENGINE AIR FILTERS

with the MFP 3000

- FILTER EFFICIENCY FOLLOWING ISO 5011

CABIN AIR FILTERS

with the MFP 3000

- FILTER EFFICIENCY FOLLOWING DIN 71460-1/-4
- FILTER LOADING FOLLOWING DIN 71460-1

HEPA AND ULPA FILTERS

with the LFT 3000 and the MFP Nano Plus

- FRACTIONAL EFFICIENCY FOLLOWING ISO 29463-3
- FRACTIONAL EFFICIENCY FOLLOWING ISO 29463-4/5
- FRACTIONAL EFFICIENCY FOLLOWING ISO 29463-5

CLEANABLE FILTERS

with the MMTc 2000

- FOLLOWING VDI 3926

OIL MIST SEPARATORS

with the HMT 1000

- FOLLOWING ISO/TS 17536-2
- FOLLOWING ISO/TS 17536-4

COMPRESSED AIR FILTERS

with the DFP 3000

- FRACTIONAL EFFICIENCY FOLLOWING ISO 12500-3
- LOADING AND TOTAL FILTER EFFICIENCY FOLLOWING ISO 12500-1

MASK AND FLAT SHEET

with the PMFT 1000 and the Mas-Q-Check

- EXPOSITION FOLLOWING EN 149, 42CFR84, GB2626 with NaCl or with paraffin oil
- PENETRATION FOLLOWING EN 149, 42CFR84, GB2626 with NaCl or paraffin oil
- PENETRATION FOLLOWING ASTM 2299 with PSL
- PENETRATION FOLLOWING CWA 17553 for community mask

ON-SITE MEASUREMENTS

with our Promo® or SMPS Systems and our generators

- FRACTIONAL EFFICIENCY
 - bag filter systems
 - cyclone separator
 - electrostatic separator
 - other cleaning system
- PARTICLE SIZE DISTRIBUTION AND CONCENTRATION ANALYSIS
 - spray, fog and cloud droplet
 - powder processing and dust emission
 - emission in cooling plant and chimney exhaust
 - tire and brake emission with particle analysis in lab and on road
 - blow-by measurements, e.g., H₂, e-fuels, Diesel, petrol, heavy oil and gas
- WORKPLACE AND AMBIENT AIR MEASUREMENTS
 - PM₁, PM_{2.5}, PM₁₀, TSP, A-Fraction and E-Fraction