




The Aethalometer®, the world's most relied upon real-time monitor for aerosol black carbon was invented by Magee Scientific 35 years ago and is manufactured by Aerosol d.o.o., Slovenia.

Over 1500 Aethalometers operating throughout the world have resulted in an unequalled history of in-the-field performance. Aethalometer model AE-33 has patented DualSpot™ technology to eliminate aerosol loading effects of other filter-based measurements, seven wavelengths for superior discrimination between biomass burning and combustion emissions.

The AE-33 Aethalometer is unsurpassed for aerosol black carbon monitoring, especially for source apportionment, discriminating woodsmoke from diesel particulate emissions.

[www.aerosol.eu](http://www.aerosol.eu)  
[www.mageescientific.com](http://www.mageescientific.com)

Visit us at booth No. 20



Twintec Baumot Group, is a global specialist in the area of exhaust after-treatment, and your partner for reducing exhaust emissions.

Founded more than 20 years ago and having accumulated extensive experience in the areas of drive technology and diesel engine overhauls, Baumot has developed its core competency in application management of innovative exhaust after-treatment systems. Operating 13 distribution and service centers on three continents, Baumot is your partner when it comes to progressive, reliable and economical solutions to reduce exhaust emissions, both for first installations and retrofit solutions.

[www.baumot.ch](http://www.baumot.ch)

Visit us at booth No. 2



Cambustion's world-leading range of aerosol and gas instrumentation continues to expand with the launch of the Aerodynamic Aerosol Classifier (AAC), a novel instrument for classifying aerosol particles according to aerodynamic diameter, without charging artefacts.

Cambustion's products include the CPMA for classifying particles by mass-to-charge ratio. Combined with our Unipolar Diffusion Aerosol Charger (UDAC) the CPMA can form a mass concentration standard.

The DMS500 offers 10Hz electrical mobility size/number spectra between 5nm-2,500nm, with integrated dilution making it ideal for both ambient and high concentration sources including engines, brake particles and biomass burning. Traceable calibrations are included for soot and spherical/compact particles.

[www.cambustion.com](http://www.cambustion.com)

Visit us at booth No. 14

**Catalytic Instruments**  
hot technologies • clean solutions

Catalytic Instruments is a German company specializing in the production of innovative aerosol instruments based on "catalytic stripper (CS)" technology. Our booth exhibits examples of CS instruments for various flow rates with different form-factors.

For unique applications, Catalytic Instruments will work with the customer to provide individual solutions.

[www.catalytic-instruments.com](http://www.catalytic-instruments.com)

Visit us at booth No. 15



For more than 50 years CPK develops innovative products for the exhaust gas aftertreatment for On-Road and Off-Road applications. As market leader CPK distributed more than 100.000 Systems worldwide. We offer hard- and software! As a supplier of emission monitoring and controlling systems CPK Automotive has developed and markets the tried and tested **DYNTEST System**. The DYNTEST product family provides useful operational data for exhaust aftertreatment systems such as diesel particulate filters (DPF). As an option these data are online available. Our latest product is the online module RemCo II. RemCo II in combination with your smartphone and installed DYN@pp transfers the measured data and ensures DPF monitoring. Our CPK Terminal software enables you to analyse the data properly.

CPK provides Systems for the OEM and retrofit market.

CPK Automotive, Gildenstr. 4c, 48157 Muenster, Germany.

[www.cpk-automotive.com](http://www.cpk-automotive.com)

Visit us at booth No. 1



Dekati Ltd. has provided high quality instrumentation for fine particle measurements successfully for over 20 years. Our measurement solutions include complete fine particle measurement setups including both sample conditioning and particle detection for <math><10 \mu\text{m}</math> particles.

The highlights of our product line include the ELPI®+ product family that enables real-time measurement of particle size distribution 6 nm-10  $\mu\text{m}$  from up to 180 °C and in up to 500 size channels. The latest addition to the Dekati® product line is the Dekati® eFilter™ that combines standard gravimetric filter measurement and real-time detection in one compact instrument.

[www.dekati.com](http://www.dekati.com)

Visit us at booth No. 18



JING Ltd. is a Swiss company that develops real soot particle generating technologies and produces high level soot generators for a wide range of applications such as calibration, filter test, research activities etc.

The best-known product lines based on JING CAST technologies are CAST, miniCAST and HiMass CAST.

The JING CAST soot generators transform gaseous and liquid fuel to real soot particles with variable mean size (5-200 nm), stable number concentration and soot mass output containing high Black Carbon content up to 99%.

Since 1999, the soot generators from JING have been providing their service for companies and universities in many countries. JING CAST soot generators can be designed in nearly any size to fit special requirements on the characteristics and output (low and high mass) of soot particle. For special applications JING also provides individual solutions.

[www.sootgenerator.com](http://www.sootgenerator.com)

Visit us at booth No. 12



Accurate & reliable PM filter weighing results are easily and secure obtained with our comprehensive offering for filter weighing to highest standards for now and the future.

[www.mt.com](http://www.mt.com)

Visit us at booth No. 21



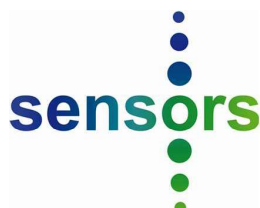
We are a spin-off company of the institute for aerosol and sensor technology of the university of applied sciences northwestern Switzerland, and build on a decade of experience in nanoparticle instrumentation development.

Our philosophy is to keep things simple - in engineering, simple automatically means robust. We strive to build instruments that are simpler to use and need less maintenance than traditional nanoparticle detectors.

Our new product the partectorTEM is an ultra-portable nanoparticle surface area dosimeter with integrated TEM sampling for workplace and exposure monitoring. It is also suitable for environmental monitoring or airborne measurements.

[www.naneos.ch](http://www.naneos.ch)

Visit us at booth No. 16



Emission Measurement Systems

Meet us at our booth to see our latest PN PTI & PN PEMS solutions!

[www.sensors-inc.com](http://www.sensors-inc.com)

Visit us at booth No. 9



**PALAS® – MORE THAN 30 YEARS OF EXPERTISE IN AEROSOL TECHNOLOGY**

With more than 60 submitted patents, Palas® has been setting standards in aerosol and particle technology for over 30 years.

Thanks to continuous innovation we are able to deliver exceptional quality and long product durability. For our customers, this means unique technical and commercial advantages. Palas® has established itself as a global market leader in the areas of aerosol generation, aerosol dilution and aerosol measurement technology. Renowned companies, universities and research facilities all around the world trust in precision technology from Palas®.

[www.palas.de](http://www.palas.de)

Visit us at booth No. 6



With the full integration of the nanoparticle measurement technology business sector, Testo is pursuing the objective of a targeted and customer-oriented utilization of the synergies in Research & Development, as well as the extensive and proven possibilities and means available in industrial production, service and sales.

Testo is a world market leader in the field of portable and stationary measurement solutions. In 30 subsidiary companies around the world, 2,500 employees research, develop, produce and market for the high-tech company.

[www.testo.com](http://www.testo.com)

Visit us at booth No. 13



UNDERSTANDING,  
ACCELERATED

For over 50 years, TSI has been the world's leading manufacturer of measuring instruments for airborne nanoparticles. TSI has set industry standards with its EECPC particle counter and EEPS particle size spectrometer.

Recently, TSI launched the High-Concentration Nanoparticle Emission Tester for the measurement of solid particle number emissions directly from the tailpipe. It can be used by researchers, regulatory inspectors, and maintenance personnel alike.

In addition, TSI is currently field-testing a battery-powered solution to test nanoparticle emissions from vehicles. This particle emission tester is ideally suited to quickly test the proper performance of diesel or gasoline particle filters for periodic technical inspections.

We hope to see you at the TSI booth!

[www.tsi.com](http://www.tsi.com)

Visit us at booth No. 19



VERT® is an association dedicated to the promotion of Best Available Technology for emission control. The Core objective of VERT is the minimization of health burden caused by combustion engine emissions, esp. the elimination of Ultra Fine Particles (UFP)

Members of VERT are international manufacturers of engines, testing devices, DPF and SCR systems, as well as of substrate producers, chassis builders, among others.

VERT stresses and recommends the application of particle number measurement against a pure particle mass count as very light Ultra Fine Particles (UFP) cause a major threat to health. We set the highest quality standards for emission control technology by certifying emission control technologies (VERT® Label) and publishing the VERT filter list

VERT supports traffic pollution reduction programs all over the world, esp. in megacities.

<http://vert-certification.eu/>

Visit us at booth No. 11