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The company Palas<sup>®</sup>, since more than 20 years an internationally successful manufacturer in the field of aerosol technology, stands for experience of many years in the aerosol generation and particle measurement – also in the nanometer range. Palas<sup>®</sup> develops and builds aerosol generators, particle measuring devices, dilution systems and complete filter test systems better than the standard. The company offers also services as well as annually taking place training courses and seminars.

Palas<sup>®</sup> products offer special advantages for nano applications, e.g. for

- environmental technology (filter testing, emission and immission measurements, etc.)
- automobile industry (test systems for oil separators, diesel soot filters, motor filters, pollen filters)
- chemical industry (particle generation, quality control, monitoring)
- pharma/medicine (characterisation of inhalation aerosols, test of protective materials)
- filtration/separation industry (filter testing, research and development, collection and control of smallest particles)
- nano analytics (generation and measurement of nano particles, quality assurance)

Palas<sup>®</sup> offers a broad range of aerosol generators for the reproducible generation of defined test aerosols within different particle size ranges, e.g. for the generation of finest droplets, dust particles or soot particles. The latest innovation is the Variable Soot Generator VSG-3000 which generates real soot particles within the nanometer range. For the exact and reliable particle measurement, Palas<sup>®</sup> offers the award-winning measuring system welas<sup>®</sup>. The modularly built measuring system measures in high resolution and with very good classification accuracy within particle size ranges of 180 – 40 000 nm. For the measurement of smaller particles from approx. 5 nm, the system can be supplemented simply and low-priced with a newly developed CNC module which was filed for a patent.

**Palas<sup>®</sup> – "Count, what it is countable, measure what is measurable, and what is not measurable, make measurable!" (Galileo Galilei)**