

Particles from Direct Injection IC-Engines

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Particle research at AVL

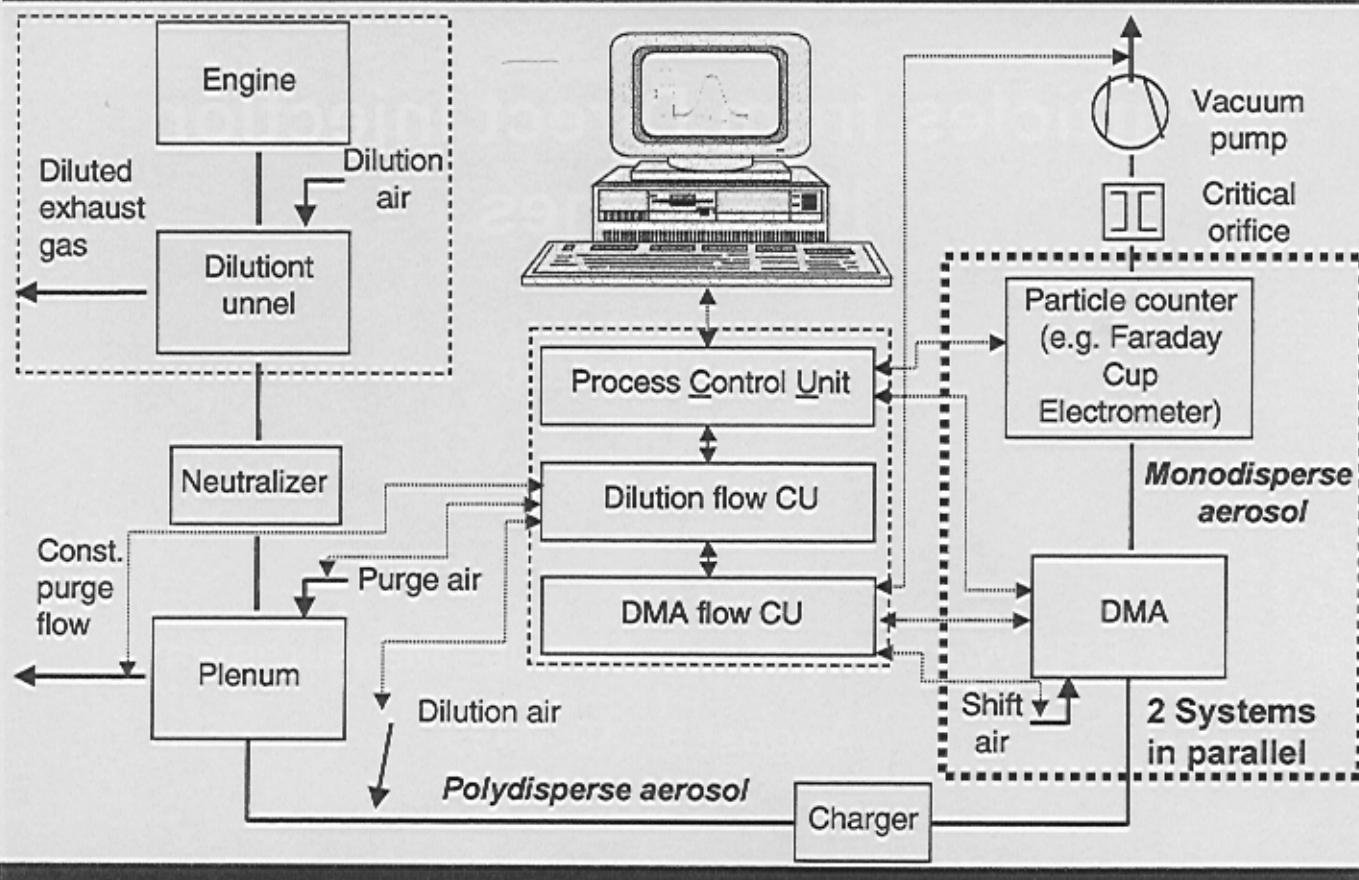


- Particle size distribution with DMA
(Differential Mobility Analyzer)
- Particle morphology with TEM
(Transmission Electron Microscope)
- Effect studies of
 - Compression/spark ignition engines
 - Fuels (e.g. DME, diesel, gasoline) and specification (e.g. CN, Sulphur)
 - Combustion systems (DI, IDI)
 - Mixture preparation systems (e.g. HPPR, HPCR)
 - Exhaust gas aftertreatment systems (TWC, NOx trap, Oxicat, etc.)
 - Methodology of measurements

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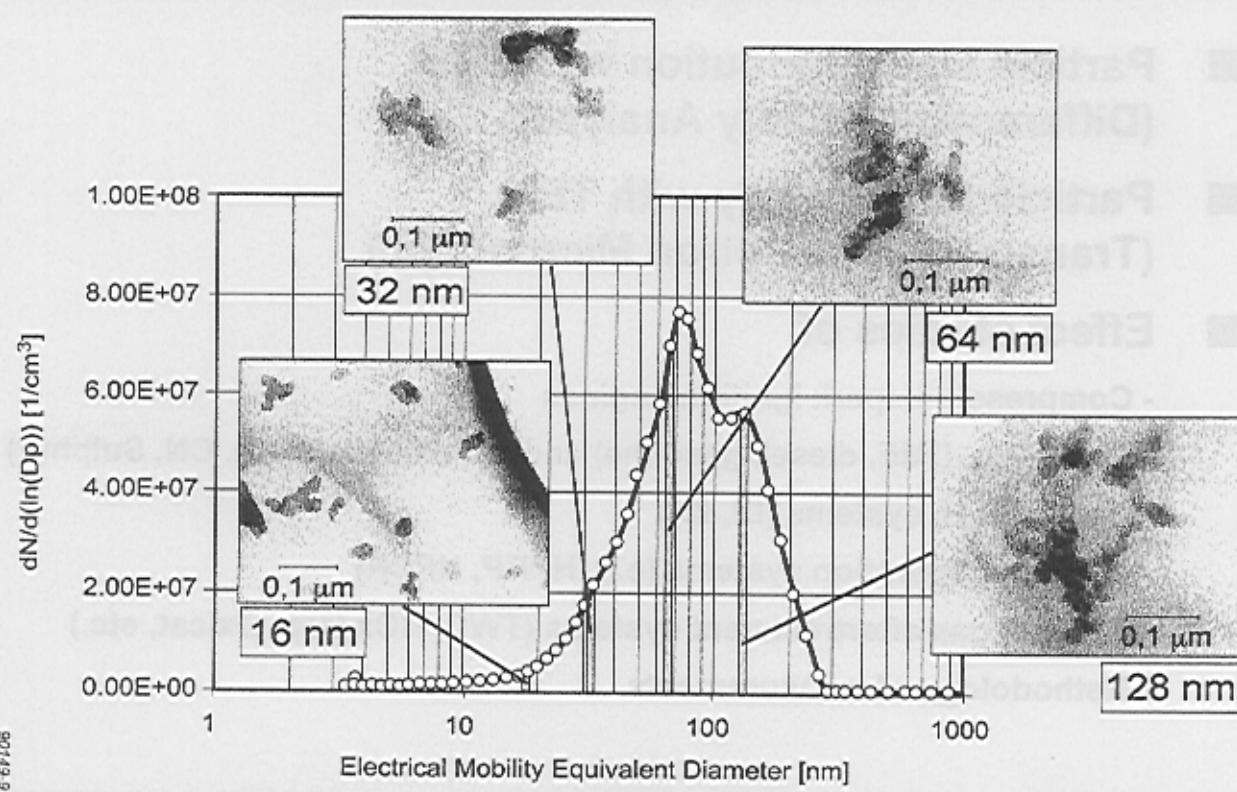
Elektromobility Spectrometer

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Morphology of HSDI-Diesel Exhaust Particulates

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Effect of Load, EGR, Rail Pressure, Nozzle Flow