

Real-Time Airborne Particle Analyzer

Applications:

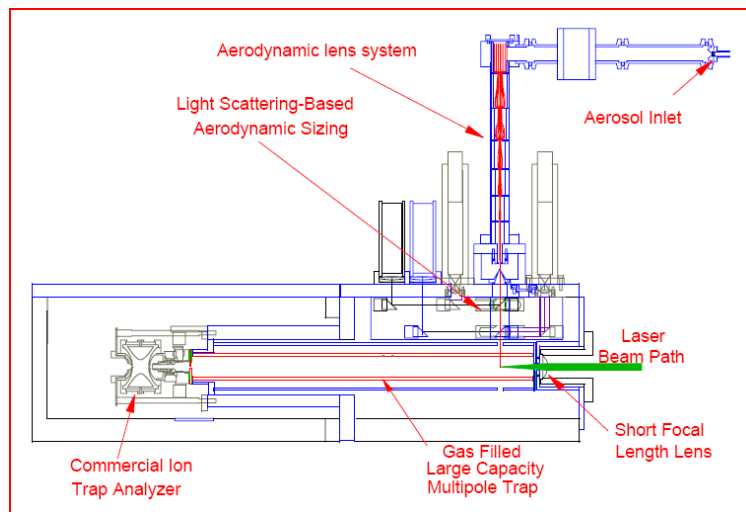
- Process engineering for raw material quality
- Geology, biology, and environmental science
- HAZMAT
- Weapons inspection

Advantages:

- Real-time method for measuring elemental composition
- Precise isotope ratios of individual particles
- On-site process, no need for specialized laboratory

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**Summary:***Technology Description*

Provides a real-time method for measuring elemental composition and provides precise isotope ratios of individual particles. Such methods have been useful in the areas of bio-geochemistry and the petroleum and flavor/ fragrance industries, and are now appearing in a broad cross-section of analytical sciences.

Technology Application

Certain environments can be measured for isotope contamination relating to nuclear waste or even natural release of isotopes or daughter products such as radon. This can be done onsite without the need of sample collection and transportation to a specialized laboratory.

Stage of Development: Modeled Concept

Patent Status: Patent application in progress

Licensing Status: Available for licensing in specific fields of use