

Mobile Analytical Services

Air Products' mobile analytical service offering is a state-of-the-art package for trace level analysis.

Mobile analytical services are an integral part of the Air Products Electronics Organisation – the industry leader in electronic gases and chemicals supply. These links give us direct access to advanced analytical equipment, wider engineering capabilities, safety training and operational experience.

Founded in 1940, Air Products is the world's only combined gases and chemicals company. We serve customers in markets such as technology, energy, healthcare and industrial markets in over 30 countries worldwide.

Overview

- Our mobile analytical services are fully ISO9000-2000 certified, assuring consistent performance and independent 3rd party validation
- Equipment and trained operators throughout Europe – allows a fast and efficient response
- Dedicated analytical services team located in many countries, focused on supporting the semiconductor and pharmaceutical industries
- Over 80 customers already relying on Air Products' mobile analytical services
- Experience in other industries such as: engineering; bulk chemical; laboratories; welding; military; energy, amongst others
- Over 30 years of analytical chemistry experience within the team
- Air Products industry leadership in safety drives the highest confidence in our work procedures
- Standard services and custom solutions are available
- Air Products' mobile analytical services are an alternative to costly permanent onsite analytical equipment

Specialist industries – electronics and pharmaceutical

Electronics – minimise contamination, maximise yield

Air Products provides state-of-the-art analysers able to meet the analytical requirements of the modern fab.

- System qualification
 - After construction, UHP gas lines must be purged and then analysed to prove cleanliness. Our mobile analytical services can perform this requirement, targeting the critical impurities: moisture; oxygen; hydrocarbons; particles etc.
- Process gas qualification
 - New installations are known to release contaminants for a certain period of time. Our service is capable of qualifying the system using actual process gas under process conditions. We are also able to offer analysis and certification of UHP systems from source to point-of-use during this phase
- Gas system certification from source to the tool, to your specifications
- Analysis of trace impurities to low detection levels (ppt levels if required)
- Utilisation of latest analysers ensures quality satisfaction at the lowest levels of detection demanded by the industry.
- State-of-the-art technology used, including APIMS and Gas Chromatography



Mike Corrigan,
Mobile Analytical Services
Supervisor

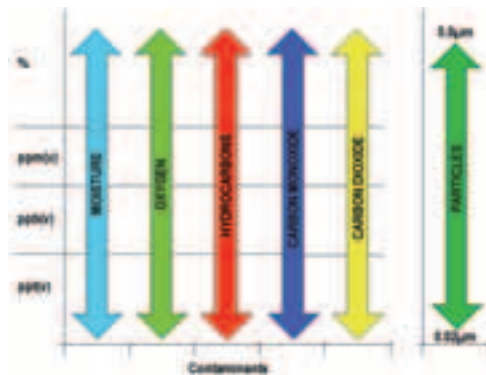
Pharmaceutical – minimise contamination – maximise quality

Along with state-of-the-art analysers, Air Products has the experience to help with regulatory approval of gas systems.

- From % to ppb, Air Products' mobile analytical services can meet your gas analysis requirements for quality compliance
- Regulatory authorities are placing more emphasis upon quality assurance on all utilities that come into contact with a product during the manufacturing process
- We are positioned to analyse your gas systems beyond the standards required by the major agencies (FDA, MCA, etc.), as stated in the applicable pharmacopoeia
- Quality is assured by routine equipment calibration traceable to national standards, maintenance, servicing and procedures, all of which are controlled through our ISO certified system
- Provide analysis services as part of your installation/operation/performance qualification (IQ, OQ, PQ) systems

Capabilities:

On-site range of analytical capabilities with the reassurance of ISO certification



Impurity measurement

Services available

- System qualification – thorough testing to provide certification of compliance
- Troubleshooting – quick response to gas related site issues
- Quality Assurance – ability to certify to customer requirements, backed by our ISO approved systems
- Custom Solutions – ability to provide non-standard solutions, analysis and services
- Gas System Analytical Consultants – team of experts to work with our customers to offer advice prior to work being undertaken
- Air Products backed engineering solutions
- Assistance with regulatory validation requirements
- Independent third party testing
- Training – a range of training is offered, including general and specific analyser training, and more general gases handling training
- Sample collection done by fully trained Air Products operatives
- Assays
- Product identification
- Metal content
- Custom applications

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www.airproducts.com/electronics