



AHURA SCIENTIFIC® TruScreen™

LIQUIDE SCREENING PORTABLE
SOLUTION FOR AVIATION
CHECKPOINTS

- Rapid analysis for high throughput
- Non-contact operation through sealed containers
- Clear scan results enable quick alarm resolution
- Intuitive system for use by non-technical personnel



LIQUID THREATS DETECTED

TruScreen™ is customized according to your detection needs. You decide of the liquid threats you want to detect and we configure your TruScreen according to your specifications.

TruScreen can detect:

- Triacetone triperoxide (TATP),
- Picatinny Liquid Explosive (PLX),
- Nitroglycerin,
- Nitromethane,
- Nitroethane,
- Methyl nitrate,
- Astrolites...

DESCRIPTION

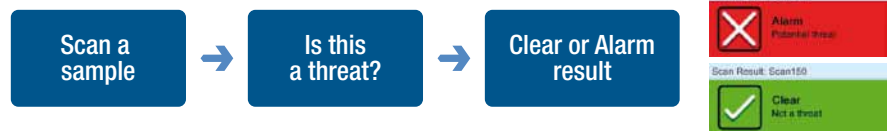
TruScreen™ offers aviation checkpoints high-throughput screening for uninterrupted passenger flow and non-invasive sampling.

TruScreen™ is designed to rapidly screen for potential liquid threats in transparent bottles or jars at aviation checkpoints. It can easily distinguish between liquid explosives, precursors and benign materials. Lightweight, easy-to-use, and completely self-contained, TruScreen™ scans through the walls of translucent glass or plastic containers and does not require direct contact with the liquid in question.

ANALYSIS METHODOLOGY

Raman spectroscopy, the underlying technology behind TruScreen™, is a highly selective technique well-suited for identification of chemicals.

SCREENING PROCESS



TruScreen™ leverages this same industry-proven technology, but uses unique software algorithms to screen for particular items of interest - in the case of checkpoint security, for potential liquid hazards. With this approach, TruScreen™ answers the question: “Is this substance a threat?”



THE SAFETY REFLEX



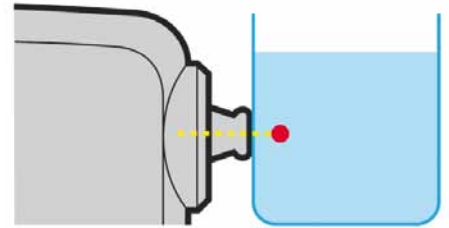


HTDS

Hi-Tech Detection Systems

RAMAN SAMPLING

As an optical analysis technique, Raman spectroscopy does not require direct contact with the substance in question. When placed against a translucent container, a Raman instrument emits light at a single focused wavelength, then collects the light that is scattered by the sample, creating a unique molecular fingerprint. Because the focal point is within the bottle, the fingerprint indicates the composition of the sample, which can then be compared to a pre-determined threat list or full onboard chemical library.



PROVEN SOLUTIONS

Ahura Scientific's chemical identification solutions are deployed worldwide by U.S. and foreign military organizations as well as national and regional law enforcement agencies and hazmat teams. The company's FirstDefender® (Raman) and TruDefender™ FT (FTIR) offer a comprehensive solution for field-based chemical identification, and TruScreen™ provides an additional layer of security for rapid threat screening.



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