APPLICATIONS:

Defense
Explore the EXPLONIX 2 - highly reliable, robust and powerful instrument to increase security for those on the frontlines counteracting the threat of enemy attacks.

Ports & Border Control
We offer the EXPLONIX 2 - real field solution with instant analysis of explosive traces found on baggage and packages. In parallel, reveal the radiological threat with the built-in scintillation spectrometer.

Customs
The EXPLONIX 2 offers an unbeatable solution for customs applications for quick and reliable analysis of invisible threat hidden in packages or another cargo. Either explosive or radiological.

Urban Security
Threats from terrorist attacks are present nowadays in public facilities or in public events. This implies the need for tools that cover field applications, where speed, portability and reliability matters.

Governmental
With the EXPLONIX 2 you can protect the governmental institutions, critical infrastructure or logistic facilities. The prevention of potential terrorist threats has never been easier before.

RS DYNAMICS LLC is a trusted Swiss developer and manufacturer of highly advanced and exceptionally mobile handheld explosive and narcotic detectors and identifiers. With a global presence, our instruments are trusted and utilized by security agencies and organizations across the world. As proud pioneers in the field, our core product, the EXPLONIX 2, stands as the most robust & enhanced, and most accurate handheld trace analyser available today.

EXPLONIX 2 — Detect the Invisible. Protect What Matters.

EXPLONIX 2 is a next-generation explosive trace detector and analyzer engineered for professionals who cannot afford uncertainty. Designed for rapid, high-confidence screening, EXPLONIX 2 identifies a wide spectrum of explosive traces with exceptional sensitivity and gunshot residue (GSR) — delivering actionable results when every second counts.

What truly sets EXPLONIX 2 apart is its integrated scintillation spectrometer, enabling the system to reveal radiological threats alongside conventional explosive hazards. This dual-capability approach transforms Explonix 2 into a comprehensive security solution, bridging chemical and radiological detection in a single, streamlined platform.

EXPLONIX 2

Handheld Explosive Trace Detector & Analyser

Explosive trace detector & identifier

The best false alarm rate

Outstanding reliability

No bakeout needed

Instant 1 second detection

Simple use - one button operation

Detection of Gun Shot Residues (GSR)

Simultanous explosive & radiological analysis

Full featured, built-in Gamma Ray Spectrometer

Featured

- **Sensitivity**
- **Capability**
- **Speed**
- **Field use**
- **User-orientated**
- **Robustness**

The unique technology IRSSIL brings the desired performance. The EXPLONIX 2 detects or identifies traces of all-known explosives at nanogram level.

The compact case, but powerful analysis options. With the EXPLONIX 2 you can detect or identify explosive traces, radioactivity or gun shot residue.

The EXPLONIX 2 is designed to be immediately at service. The analytical system responds on collected sample under 1 second.

The heavy duty case is specially designed for the use with broad band of security forces where you can meet the wide spectra of different tasks. Either in desert or arctic.

Although different modes and analysis, the EXPLONIX 2 still offers user-friendly graphical interface, heavy-duty rubber buttons operable in gloves and simplicity for user.

The EXPLONIX 2 is a proven device within the toughest conditions. No matter if you face dust, rain or snow - the EXPLONIX 2 withstands.

Particulate sampling

1.Swiping with Sampling strip

Swiping the surface and following evaporation of the sample via thermal desorber of the EXPLONIX 2 is the best way how to achieve best performance

2.Evaporate the sample

The Surface can be swabbed with paper sampling strip or with gilt needle, allowing you to collect the sample from the hard-to-reach places, where is the best chance to collect explosive traces.

With EXPLONIX 2 you are able to quickly detect explosive trace or run the more detailed identification!

1.Collect the sample with needle

2. Evaporate the sample

Vapor sampling

Vapor sampling always offers compromising performance , advisable only in special applications

In case of inaccessibility, the EXPLONIX 2 can be mounted on robot. RS DYNAMICS provides remote control solutions via Wi-Fi.

EXPLONIX 2 mounted on robot

Radiological analysis

The unique EXPLONIX 2 instrument can be equipped with scintillation spectrometer, allowing you to detect or identify radiological threats.

The scintillation spectrometer can run like geiger counter, beeping in presence of radioactivity. Turn the EXPLONIX 2 with Geiger counter running on background while you are finding explosive traces!

The scintillation crystal, converting radioactivity in light, is placed in handle of the EXPLONIX 2. Simply put the testing sample close to the handle to verify functionality.

Radiological verification sample