

# GreyScan's ETD-100



> The world's first mobile screening device capable of detecting inorganic compounds commonly found in flares and pyrotechnics

## >The threat to public safety from the use of flares and pyrotechnics at public gatherings

The threat to public safety stemming from the use of flares and fireworks at public events is significant. From football and car racing, to concerts and public demonstrations, the use of pyrotechnic devices is an all too often news headline around the world.

In addition to the potential for harm to persons, these risks can add a financial burden to organisations where claims for damages may be lodged against corporate insurance policies, as well as exposing clubs, national teams or stadia to reputational damage, substantial fines, bans and/or other penalties that can hit the bottom line.



## >The challenges of detecting traces of flares and pyrotechnics

Most pyrotechnics consist of inorganic substances that allow for an extended high temperature burn. They contain no metal for a metal detector to pick up and are of insufficient density for an X-Ray scanner to detect. Also, as the active chemicals in these devices are generally inorganic (e.g., Perchlorates, Chlorates or Nitrates), they are also not detectable by conventional trace detection instruments commonly used at airport security checkpoints, which rely on detecting organic chemicals.



## >The ETD-100

While traditional technologies are not adequate to assist with preventing pyrotechnics getting into a sporting stadium, GreyScan has developed an innovative mobile detection device, the ETD-100, which is capable of detecting the inorganic compounds commonly found in flares, smoke canisters and other pyrotechnics.



## >The ETD-100 is reliable and easy to operate

GreyScan's unique and ground-breaking ETD-100 uses Capillary Zone Electrophoresis (CZE). CZE is highly regarded for its ability to provide a detailed analysis of a wide variety of samples.

GreyScan has re-imagined CZE into a powerful, miniaturised and mobile format.

The ETD-100 is simple to use with an intuitive touch screen operation and red screen/green screen audible alarms, requiring minimal training for operators.



### GreyScan's ETD-100 is a game-changer

We bring laboratory-grade capability to the field in a user-friendly format. Our innovative and proven portable technology in the ETD-100 provides fast, accurate and easy to use decision making power at the point of need.

