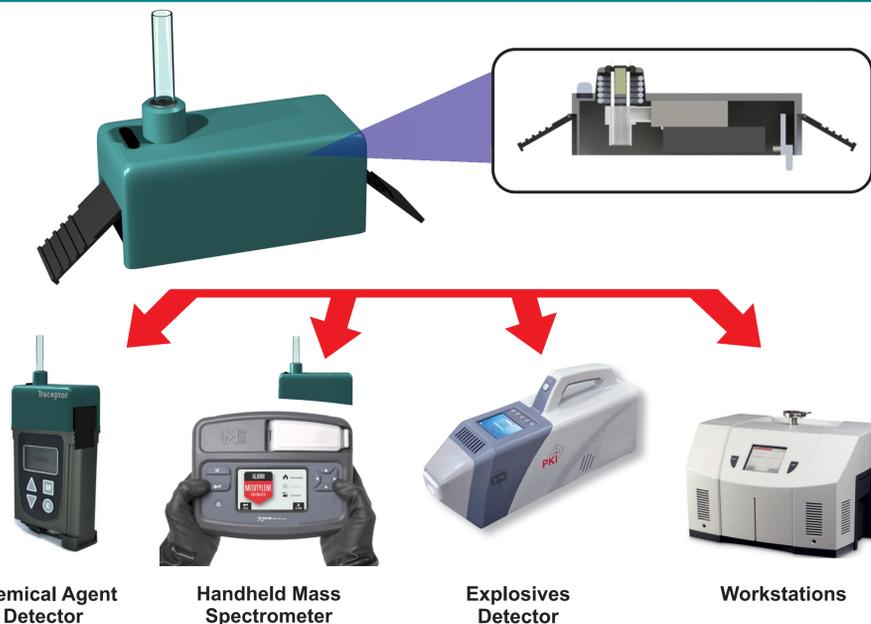


# Triton Systems, Inc.

## The Triton Trceptor™

The first reversible trace vapor phase sample collector and pre-concentrator module. Can be adapted for aerosol and solid phase collection and volatilization.



- ▶ Low power: works with miniaturized devices
- ▶ Collects & concentrates vapor, aerosol & particles
- ▶ Flash desorption as vapor to detector
- ▶ Modular front end integrates seamlessly with existing devices
- ▶ Chemically selective & agnostic to detection system: universal applicability
- ▶ Enables detection not possible with current detectors of ultra-low volatility compounds/aerosols
- ▶ Rapid desorption, long lifetime, minimum consumables, inexpensive
- ▶ Extensive data with chemicals, narcotics and explosives with wide range of trace sensor devices

### Specific capabilities at Triton:

Sample collection and preconcentration for gas, solid and aerosols using low power to improve sensor sensitivity and selectivity for trace analytes

### Specific capabilities sought by Triton:

OEMs for ultra-low power chemical sensors having high dynamic range separation with high specificity

### Research Areas of Interest:

- ▶ Sampling methods for increasing sensor sensitivity
- ▶ Integration of sampling systems with portable and stationary trace detectors
- ▶ Develop plug-in modules for specific sensor systems



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