Chemical Biological Mass Spectrometer

CBMS

Description

The Chemical Biological Mass Spectrometer (CBMS) Block II is an ion-trap mass spectrometer that detects and identifies chemical agents on mobile platforms. It is being produced for inclusion in the Stryker Nuclear, Biological, Chemical Reconnaissance Vehicle (NBCRV). The CBMS Block II can be further enhanced to detect and identify an expanded list of threat agents.

Mission

Detect and identify Chemical Warfare Agent (CWA) contamination on the ground (liquid) as a component of the Stryker NBCRV.

Capabilities

- Provides real time CWAs detection and identification
- Integrates with the ground probe and Dual Wheel Sampling System (DWSS) for chemical reconnaissance

Users

US Army

Status

Production and Deployment