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Rapiscan 620DV LEADS

Type C CONOPS

Introduction

- The goal of this document is to describe the Type C CONOPS for screening of Liquids, Aerosols and Gels (LAGS) with our Liquid Explosive Detection System (LEDS).

Type C CONOPS

Rapiscan Systems' Type C LEADS covers the screening of a single or multiple LAGS containers. LEADS is a more restricted CONOPS. This is achieved with the Rapiscan Systems 620DV with a multi-use tray and insert. The insert consists of a low profile foam sheet with a single channel well to stop LAGS containers from moving during a scan and present them for optimal analysis (see Figure1). It is important to note that LAGS containers must be screened in the tray without any other type of divested items, also, the containers must not be touching. The maximum number of LAGS containers in a tray is three.



Figure 1: Rapiscan Systems 620DV LAGS insert, Configuration 2

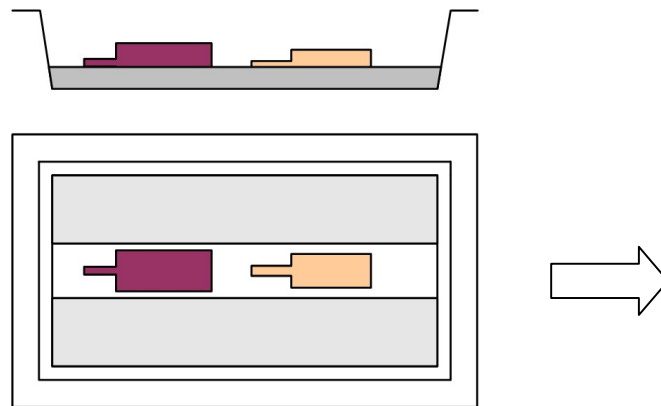


Figure 2: LAGS divested in Type C Tray with insert. The belt direction is shown by the arrow.

Table 1: Type C Configuration 2 CONOPS

The standard scan configuration is described below:	
1	The tray containing low profile single channel insert is placed directly on the belt with the insert well parallel to the conveyor belt direction.
2	LAGS containers in their original containers are placed in the preferred orientation (See Figure 2), i.e. parallel to the conveyor belt direction. Note: The maximum number of LAGS items per tray is three and when LAGS are being screened no other divested item can be screened as well.
3	All scans are performed in Automatic Target mode. The operational steps are as follows:
a	Place tray and LAGS containers as described above.
b	Press the Start Scan button to activate the belt
c	After the x-ray image is displayed and the X RAY ON light shuts off the system automatically detects the presence of LAGS containers and applies the liquid classification algorithm.
d	Once the image analysis is complete the system displays a red box around a LAGS container identified as a threat. No box is presented around LAGS containers that are not classified as threats.
e	Go to Step a