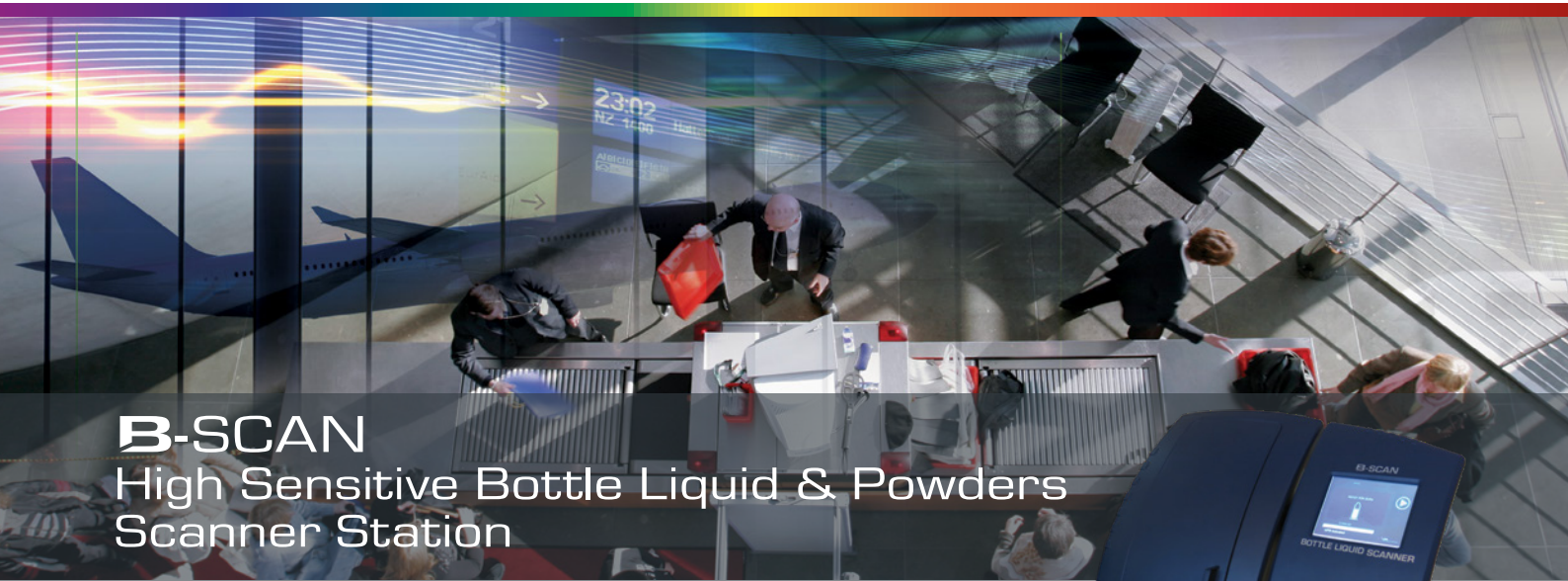




LDS

LASER DETECT SYSTEMS OF AMERICA



B-SCAN

High Sensitive Bottle Liquid & Powders Scanner Station



The LDS B-SCAN is a high-sensitivity desktop inspection station that offers an effective, accurate solution for the detection of liquids, solids and powders suspected to be explosives, narcotics or other hazardous materials. The B-SCAN is an indispensable, key link in the process of identifying a wide range of potential threats by security personnel.

Key Features

Unique Identification Technology:

Raman spectroscopy based on 532nm laser source and advance algorithm analysis with fluorescence compensation

High Operational Orientation:

Multi-purpose station with an intuitive user interface for simple, efficient use

Extendable Database:

Application and user-oriented database management

Safe Use:

Safe to use against all threats, with no effect on the tested objects

- Fast, accurate results
- Designed for rapid bottled liquid scanning
- Identification of bulk & powder
- Penetrates sealed, transparent and translucent containers
- Stores scanning data and creates an exportable scan report
- Short, simple training
- Minimum maintenance, no consumables
- No warm-up time or periodic calibration
- Database customization and update tools
- Access to an extensive substance bank
- Database adaptation to local substances
- Low laser power (< 30 mw)
- Will not ignite or burn materials
- Does not affect the substance's chemical structure

B-SCAN High Sensitive Bottle Liquid & Powders Scanner Station LDS 5500-B



Technical Specification

Analysis Methods	Raman spectroscopy
Scanning Time	< 10 sec
Liquid Volume	50 - 2500 ml
Warm-Up Time	None
Laser Wavelength	532 nm
Raman Spectral Range	100 - 6000-1
Spectral Resolution	5 - 8 cm-1
Dimensions	52(H) x 57(W) x 43(D) cm
Weight	~12.5 Kg
Operating Temperature	0 - +45°C
Storage Temperature	-10° - +60°C
Operating Humidity	0 - 95%
Operating System	Microsoft Windows 7
Processor	Quad core Intel I-5 processor, Full PC
Application Software	LDS MgLn™, Proprietary Software algorithm
Display and User interface	7" color high resolution TFT Touch-screen display
I/O interfaces	2xUSB
Voltage	110 / 220V, 50/60Hz
Integrated UPS	110/220V 50/60Hz Input > 1 hour

B-SCAN User Interface

