

Vehicle Inspection with X-ray Backscatter

Jeffrey Hunt

jeffrey.hunt@eikontec.com

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Enhancing US CBP Vehicle Inspection

Concealment Location Imaging



- **Compact Size**
- Light weight
- Integrated System
- X-ray Power

HBI-120

CONOPS Integration

- Documented Inspection Process
 - X-ray Image, Target Image, Meta data
- Data Management
 - Export and Security
 - Aegis / Iron Key interface
- Operation Communications
 - WiFi , Bluetooth, Direct





Inspection Efficiency

Bring the NII to the Vehicle location





- Complete Vehicle Exterior
- Comprehensive Interior Inspection
 - Compartments & Shielded areas
- Contents and Cargo

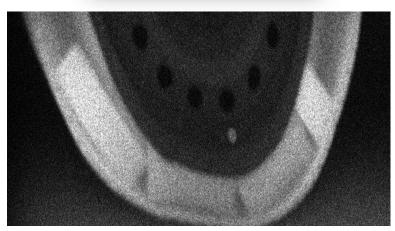
Passion for Innovation

Forge a collaborative relationship with DHS develop, adapt and enhance capabilities with the always changing inspection environments and requirements

- Technology modalities for detection
- Effective / Intuitive Adjudication
- Ease of Operation
- Seamless CONOPS Integration

Passenger Vehicle Tire

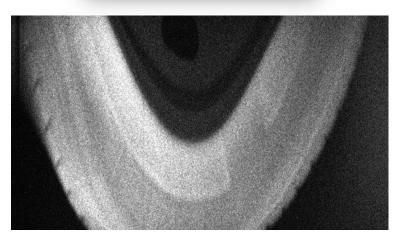




Scan showing packages of narcotics

Commercial Vehicle Tire

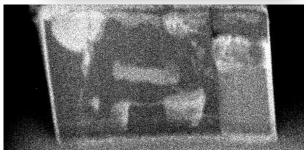




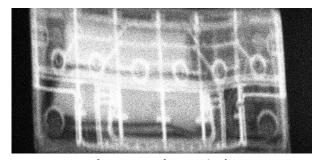
Scan shows Rim Compartment

Vehicle Battery





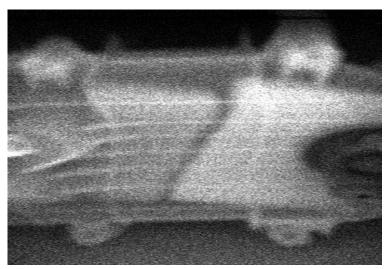
Side scan shows lead liner



Scan shows packages in battery

Vehicle Transfer Case

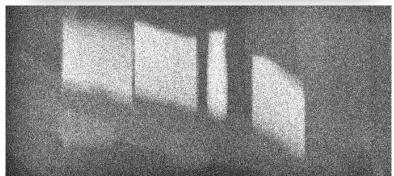




Narcotic packages inside transfer case

Driver's Side Door



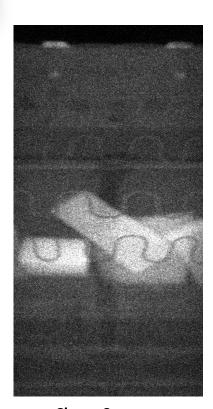


Scan shows narcotic packages and liquid bottle



Vehicle Bucket Seat



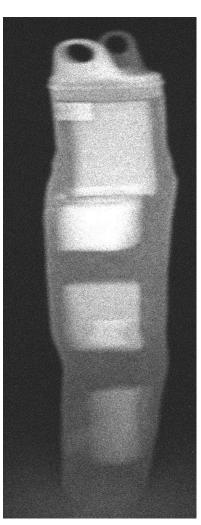


Full Seat Scan

Closer Scan

Vehicle Drive Shaft





Narcotics in Drive Shaft

Oil Pan from a Jeep with welded compartment





Scan showing packages in Oil Pan Compartment



About Heuresis Corporation



Heuresis develops, manufactures, and markets next generation backscatter X-ray inspection technology with specific application to security missions. Their experienced team of scientists and engineers, drawn from industry-leading companies, have developed a unique, industry-disrupting handheld x-ray inspection device for HLS and law enforcement. The mid to long-term plan is to scale this core technology to a full suite of Handheld, Mobile and Fixed X-ray based detection systems featuring enhanced operational characteristics and imaging performance.

The Heuresis team has decades of experience Designing, Marketing, Selling and Servicing backscatter imaging systems, including baggage inspection systems, vehicle portals, X-ray backscatter vans, and body scanning devices. The team's technical lead, Dr. Peter Rothschild, has more than 20 years of experience in the field, and has authored or coauthored 43 patents related to backscatter imaging and its uses.