

ShoeScanner™

Morpho Detection, Inc. / SAFRAN Group



ShoeScanner

Quantum Magnetics, Inc. (QM, a wholly owned subsidiary of Morpho Detection, Inc./ SAFRAN Group) is developing a new shoe scanner device (SSD) that provides improved security and passenger convenience at airport checkpoints. The SSD consists of three proven integrated detection technologies providing broad coverage for both metal and explosive threats. Passenger's shoes are screened while on their feet, thereby reducing the number of per-passenger items divested and screened by X-Ray. The SSD also eliminates the time consuming task of taking off (and putting on) passenger's shoes. The result is faster throughput, better security, and greater passenger convenience.



SSD integrates three orthogonal and complementary sensors: electromagnetic differential (EMD) metal detection for weapon detection, Quadrupole Resonance ED technology, and Trace Explosives Detection (based on the MobileTrace[®] engine)

Concept of Operation Example

