TREX ENTERPRISES CORPORATION

PRODUCT BRIEF

Trex FOD Finder XMV2

Transforming Routine Runway Inspections into Automated FOD Detection

FAA EVALUATED • FCC CERTIFIED • IN SERVICE

100%	**60+ m**	**1**	**5 min**
Detection rate, all FAA test conditions	Runway scan width per pass	Operator required, no extra crew	Typical inspection time for a 4 km runway

OVERVIEW

Foreign Object Debris (FOD) on runways is a leading cause of aircraft damage and operational delay. The **Trex FOD Finder XMV2** is a vehicle-mounted radar system that scans the full width of a runway at normal vehicle speed and alerts a single driver to debris in real time. No foot patrols. No runway closures. No extra crew.

The FOD Finder™ is the **only mobile FOD detection system** ever formally evaluated by the FAA, achieving a **perfect detection rate** across every test condition documented in FAA Report DOT/FAA/AR-11/12. The XMV2 builds on that platform with improved reliability and a virtually maintenance-free design.

KEY CAPABILITIES

- Keeps inspection vehicle moving at normal operating speed and one pass covers the full runway width
- Detects debris small metallic debris below FAA standard target size, hazards visual sweeps routinely miss
- Built-in touchscreen display, no third-party software, subscriptions, or recurring licensing fees
- Solid-state radar with no moving parts, delivering high uptime and minimal service requirements
- Reduce time runways are taken out of service compared to manual inspection methods



XMV2 in operation at an active airfield

OPERATING SPECIFICATIONS

Scan width	**60+ m per pass**
Detection length	**>100 m ahead**
Vehicle speed	**20 – 100 km/h**
Operators	**1 (driver)**
Licensing fees	**None**
Moving parts	**None**

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DETECTION PERFORMANCE BY TARGET SIZE

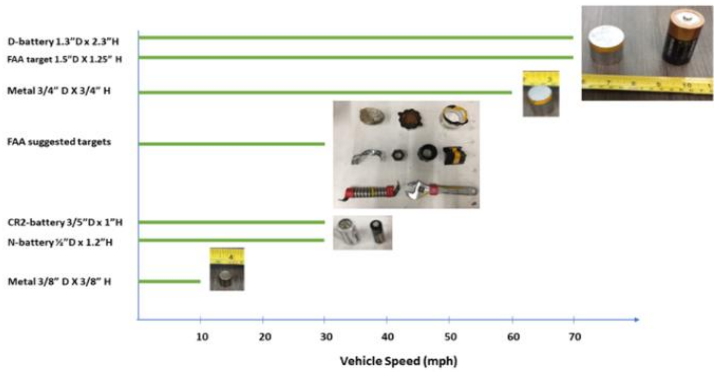


Figure 1. Representative XMV2 Detection Performance

PROVEN IN EXTREME ENVIRONMENTS

Alaska
Sub-zero winter operations

Arizona
Desert heat above 50°C

Taiwan
Tropical heat and heavy rain

Active airports
Ongoing operational use

REGULATORY COMPLIANCE

FAA Report DOT/FAA/AR-11/12
Only mobile FOD detection system formally evaluated by the FAA, achieving 100% detection (September 2011)

FAA AC 150/5220-24
Fully compliant with FAA Advisory Circular performance requirements for FOD detection

FCC Order 17-94
FCC certified FOD detection device meeting all requirements for U.S. airport operation

Airport operations compatible
Designed for active movement areas with minimal disruption to flight operations

WARRANTY AND CUSTOMER SUPPORT

The XMV2 is backed by a comprehensive warranty covering the complete mobile detection system. Any radar failure under normal operating conditions is repaired or replaced at no cost. Extended coverage is available after the initial warranty period at a fraction of the original system cost.