

The FOD Finder™ XF Process



1 Radar units continuously scan 100% of runway surface.



2 Plane approaches runway.



3 Upon touch down, material falls from aircraft onto runway.



4 Radar unit detects FOD within 2 minutes, coordinates relayed to camera system and identifies FOD object.



5 Operations personnel assesses the threat.



6 Operations personnel dispatched to retrieve FOD item.



Sales and Service: **1-866-967-6890**
International Number: **+1 858-646-5360**
fodfinder@trexenterprises.com



TREX AVIATION
SYSTEMS

Trex Aviation Systems
10455 Pacific Center Court
San Diego, CA 92121 USA
www.fodfinder.com



FOD Finder™ the ultimate total solution

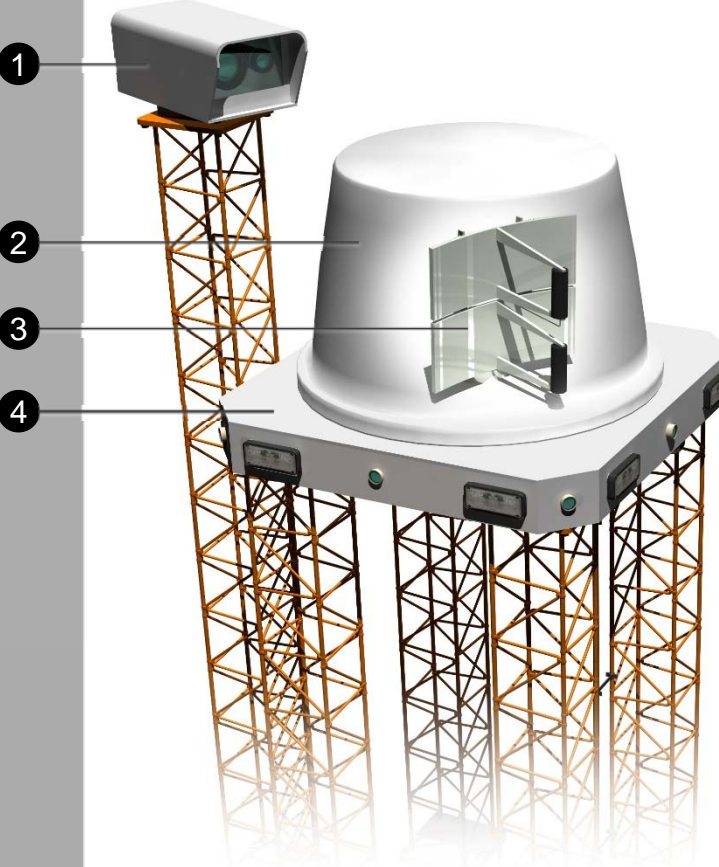
for automatic FOD (Foreign Object Debris) detection and retrieval, using Fixed & Mobile systems (*FAA, USDOD and FCC approved*), for runways, taxiways & aprons, detecting FOD in all weather conditions, by day & night, resulting in increased operational readiness, efficiency & safety of airports & airbases, and significant reduction in downtime and repair costs of commercial & fighter jets.



TREX AVIATION
SYSTEMS



FOD Finder™ XF System Components



- 1. Camera System
- 2. Radome
- 3. Millimeter-wave Radar
- 4. Base Component Enclosure



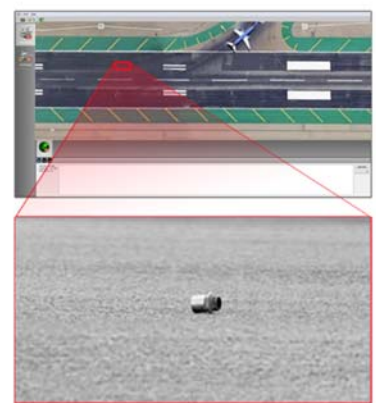
High Definition Camera

FOD Finder™ is the only FOD detection system tested by the FAA with 100% detection capability in all weather conditions (DOT/FAA/AR-11/12). FOD Finder™ is FCC approved for use at airports.

Reliability: FOD Finder™ sees through fog, rain, snow, haze, heat haze, and sandstorms at day and night, where finding and removing hazards from runways and taxiways is mission critical. Limited system downtime with little to no maintenance required. FOD Finder™ is robust and can operate on a variety of airport surfaces.

Specifications:

Operating Temperature	-40°F to 140°F -40°C to 60°C
Operating Humidity	100%
Operating Conditions	All weather, day and night
Detection Range	230 ft to 900 ft 70 m to 275 m
Geo-Tagging Accuracy	5 ft 1.5 m
Angular Coverage	4 scans per minute (for -75° to 75°)
Power	900 W
IP Protection	IP65
Frangibility	According to FAA AC 150/5220-23



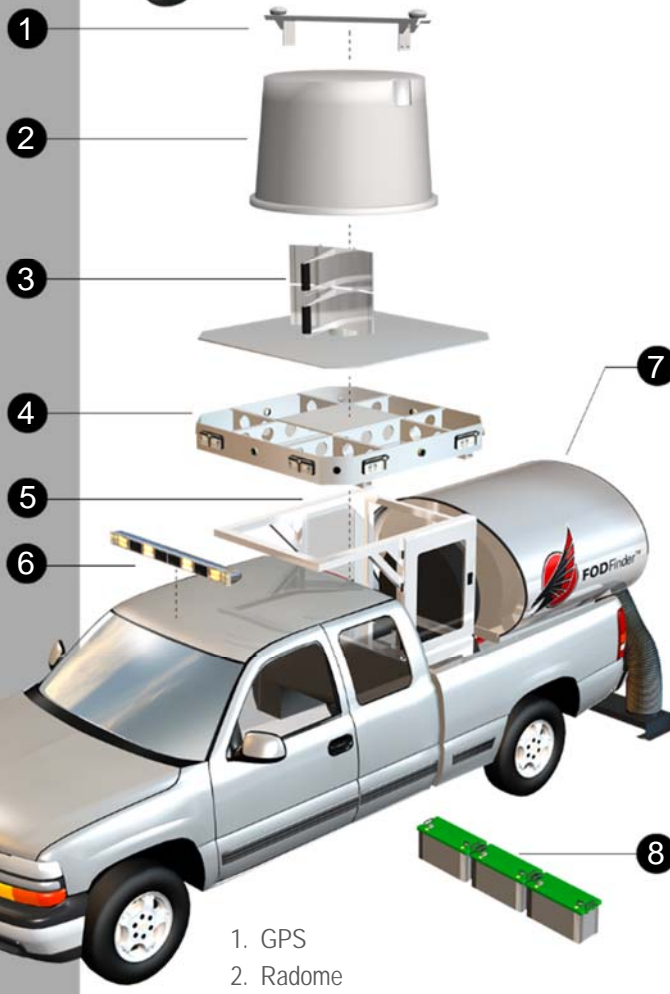
Intuitive Operator Interface

Provides airfield overview with audible and visual alarms on FOD detection

- Part 139 compliant
- Autonomous operation and reporting
- Visual confirmation of detected FOD
- Database management and reporting



FOD Finder™ XM FOD Removal System



- 1. GPS
- 2. Radome
- 3. Millimeter-wave Radar
- 4. Base Component Enclosure
- 5. Radar Structural Support
- 6. Light Bar
- 7. FOD Removal System
- 8. System Power Supply

**Truck is optional*

Safety: FOD Finder™ detection, interrogation, verification, and cataloging of runway debris is FAA Part 139 compliant with database management and tracking. FOD Finder™ has received an FCC waiver (FCC 2013-18013) to operate the low-power radar system at airport locations.

Value: FOD Finder™ is a revolutionary technology tool used by airports in the combat against the estimated \$4 Billion U.S. dollars in damage and loss of aircraft utilization. Designed to assist airport personnel in the detection, retrieval and cataloging of runway debris and identifies areas of FOD accumulation over time.

Specifications:

Operating Temperature	-40°F to 140°F -40°C to 60°C
Operating Humidity	100%
Operating Conditions	All weather, day and night
Detection Range	80 ft to 460 ft 25 m to 140 m
Geo-Tagging Accuracy	5 ft 1.5 m
Angular Coverage	30 scans per minute (for -40° to 40°)
Radar Enclosure	58 in. x 58 in. x 44 in.
	1474 mm x 1474 mm x 1118 mm
Radar Weight	500 lbs 227 kg
Maximum Vehicle Speed	30 miles per hour 48 km per hour



Intuitive Touch Screen Interface

"A.I.R. Boss" information system

- Part 139 compliant
- Automatic surface management
- Database management and reporting

