Intrusion Simulation Tools and Performance Testing Techniques

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Topics

- **Simulation**
  - **Fence Cut Test Simulation tools…**
  - **Glass Break Simulator**
  - **E-field Sensor Test Device**
  - **Test Dummy**
  - **Microwave Crawler Simulation**

- **Test Methods**
  - **Miniature Door used for BMS testing**
  - **Test Detection Height of Ported Coax Sensor**
  - **Interior Sensor Performance Testing**

- **GPS controlled Cameras**

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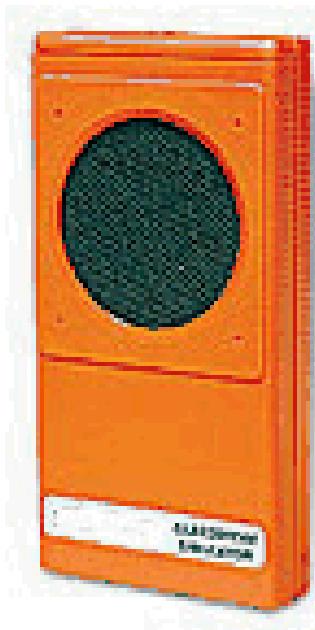# Fence Cut Test Simulation tools

Southwest Microwave Intrepid Test Tool

Automatic Center Punch

Tools are often used to simulate the shock of cutting a fence instead of damaging or destroying the fence

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Glass Break Simulator

Honeywell Acoustic Glassbreak simulator

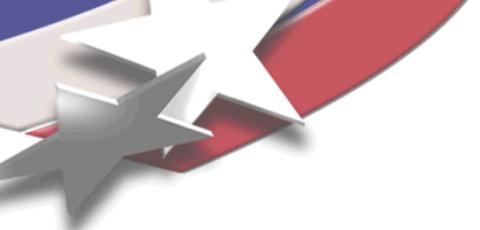**Used to simulate the frequencies that occur when glass is broken**

E-field Sensor Test Device

Device used to test upper wires of an Electric Field sensor

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Test Dummy

Dummy is often used to test Video Motion Sensors, clothing can be changed to blend in with background. In this case use to test the height of the sensor
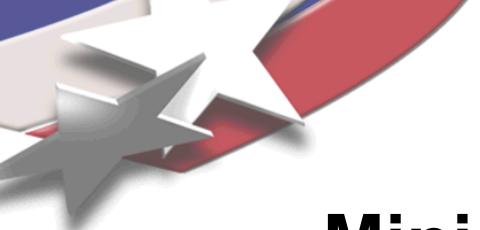
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Microwave Crawler Simulation

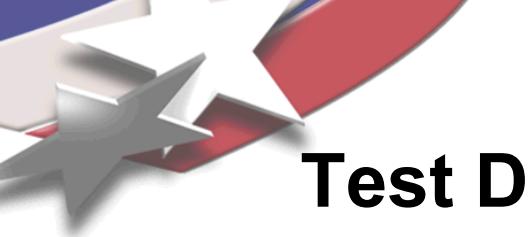30 cm hollow aluminum ball represents a crawling intruder. Available from companies that do metal spinning

Miniature Door used for BMS testing

A miniature door allows easy access to both sides of the door and can be used to demonstrate and test magnetic switches

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Test Detection Height of Ported Coax Sensor

Interior Sensor Performance Testing

Grids Marked on Floor

GPS Controlled Cameras

Long Range Detection and "Slew-to-Cue" cameras

FLIR / ICx Thermal Imaging and Ground Surveillance Radar information available at www.icxt.com

Discussion topics

- **Use of the ISC Mock-up facility for training**

- **Vendor Support**
  - **http://www.optexamerica.com/**
  - **http://www.takex.co.jp/products_e.html**

- **Update on design, contract and construction**

- **Other?**

Back up slides

Integrated System – CAS Console

Integrated System Diagram