A hand-held millimeter-wave (MMW) non-destructive testing (NDT) system used to detect cracks, corrosion precursor pittings and embedded defects such as delamination and disbonds in composites material.

**Features**

- Able to penetrate non-metallic materials
- Detects fatigue cracks, including those under paint and thin dielectric coatings
- Does not require a couplant to transmit the signal into the material (unlike ultrasonic methods)
- Requires low microwave power (usually between 1-10mW) and safe compared to X-rays
Applications

- Aerospace Industry - Cracks, corrosion, delamination or disbonds detection on the aircrafts
- Oil and gas Industry - Cracks or corrosion detection on oil and gas pipelines
- Automobile industry - Cracks or corrosion detection on cars and trucks

Benefits

- Real-time and non-contact
- Minimises resource and cost for unscheduled repair, downtime
- Assist visual inspection