



DHVANI ANALYTIC INTELLIGENCE

ENABLING NDE 4.0 WITH DATA

Compact Microwave Sensor

A cost-effective solution for Microwave Inspections

Measures complex reflection coefficient of a material and estimates the followings:

- **Thickness**
- **Material Properties**
 - Dielectric Constant
 - Loss Tangent
- **Defects**
 - Identification
 - Classification

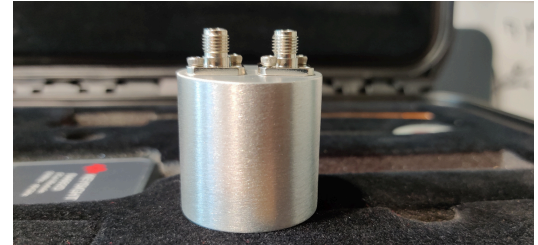
Compatible with Manual and Robotic Scanning for

- **Handheld Inspection**
- **Line Inspection**
- **Pipe Inspection**
- **Drone Inspection**

Working Principle:

- Forms a resonant cavity when placed on a conductive material.
- Variations in coating thickness causes shift in the resonance frequency.
- Different material causes changes in magnitude and phase.

Industries: Defence, Space, Oil & Gas, Automotive



Imaging and Analysis

