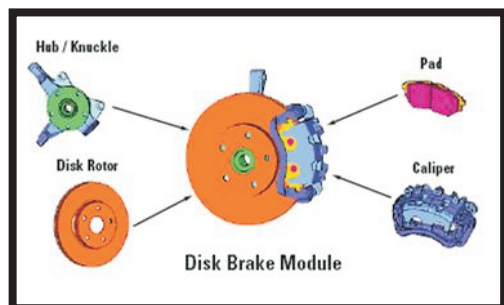




January, 2011

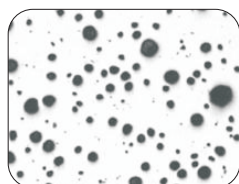
## NDT - RAM Resonant Inspection Nondestructive Testing

### 100% Parts Testing of P/M and Cast Parts

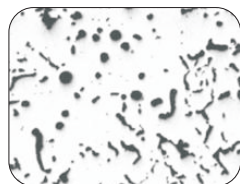


### In-line quality Inspection

- Inspects ductile iron parts for nodularity
- Deducts cracks, shrinkage, short pours and other structural flaws
- Requires no parts preparation, recurring chemicals costs or special fixturing
- Automates easily for reliable high volume go/no-go testing



High Nodularity (93%)



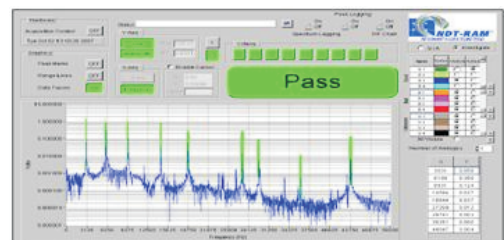
Poor Nodularity (55%)

### NVH (Noise Vibration Harshness)

- Measure, record and document first several resonant frequencies
- Sort components that contribute to undesirable squeals during breaking
- Meet automotive manufacturer and Tier 1 supplier NVH requirements

### For manufacturers who have .....

- Component part quality issues / customer complaints
- Substantial internal or external inspection costs
- Safety-critical parts
- Parts which are subject to potential recall liability
- A requirement to ship zero defects



Resonant Acoustic Method (RAM) NDT is supported by the newly revised ASTM E2001-08 as a standardized method for nondestructive testing via resonant inspection.

### Structural Solutions Private Limited

Hyderabad Office: 3-6-271, Second Floor, Sudheer Tapani Towers, Himayath Nagar, Hyderabad-500 029  
Phone: +91-40-2322 2380 /81 / 82 /83 Fax: +91-40-2322 2384 E-Mail:sales@stsols.com

Bangalore  
080-2354 8889

Chennai  
044-2626 9904

Delhi  
011-4176 7790

Kolkata  
033-2462 5429

Mumbai  
9322057333

Pune  
020-25530540

Trivandrum  
9349026213

[www.stsols.com](http://www.stsols.com)

E-Mail: [sales@stsols.com](mailto:sales@stsols.com)