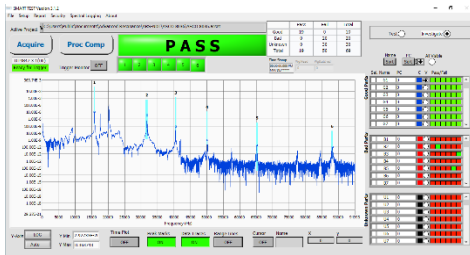


SmartTest™ MINI is the perfect choice for testing small Power Metal, Cast, Metal Injection Molded, and Additive Manufactured components. SmartTest™ with industry leading Bandwidth, Resolution, and signal quality is quickly becoming the standard for inspection small complex gemetry components



Zoomed in of part impact and better ST-MINI Pic



The principle behind SmartTest™ is simple. Every part has a unique resonant signature or pattern that reflects its composition. Any deviation from the expected Resonant signature indicates the presence of structural inconsistencies commonly due to flaws or mechanical variations. This easy-to-use ST-MINI system can detect inconsistencies and imperfections or flaws such as cracks, missing features and mixed parts. It can also detect if processes have been missed, such as a machining or heat treating operation

SmartTest™ Advantages

- Whole Body Test
Internal/External flaws
- Fast and accurate
Typically 2-3 seconds
- Signal Quality
96kHz Bandwidth, 90k Resolution
- Reliable, affordable
- Easily Automated
Typically with a bowlfeeder
Or vibratory table
- Improve Process Control
- Improve Quality
(Reduce/eliminate warranty claims)
- Improve Profits

SPECIFICATIONS

Acoustic Analyzer

- 96kHz Bandwidth
- 89k Resolution
- 8k EMI Protection
- Up to 20 Criteria Limits

Linear Motion Part Separation

- Light Curtain verification
- Industry Leading Life Cycle
- Enclosed Part Collection Bins

Part Throughput

- Cycle Time typically 2-3 seconds
- Maximun Part Size 4" and <150g

Automation Control

- Allen Bradley PLC w/soft IHM
- User indication when count is made
- Ready for Next part Signal

Benefits: SmartTest™ ensures a fast, simple, reliable, affordable means to detect cracks, voids, missing features, missed operation, meeting supplier demands and reducing warranty claims.