

# Collect Residual Stress Data with Sightia in 10 Seconds

**SINTO AMERICA**, a global turnkey industrial solutions provider, launched Sightia™, a new surface evaluation technology that provides real time, non-destructive quality assurance checks for pre- and post-blasting or peening processes. Sightia™ is a class of technology encompassing a group of non-destructive testing equipment and services suitable for harsh industrial environment developed by Sinto America to evaluate surface properties of parts undergoing surface treatment processes and delivering accurate and repeatable results.

Sinto wants customers who are currently facing surface defects in their parts at different stages of manufacturing, including casting, machining, heat treatment and surface treatment processes, to overcome the challenges with the help of Sightia™ devices. Sightia is applicable for evaluating gears, springs, pins, fasteners and other cylindrical parts used within the automotive, aerospace, railway, infrastructure, construction and die-casting industries.

“This technology makes accurate, fast and consistent x-ray diffraction measurement possible. Sightia products are now proven in both the laboratory and in the field. Sightia allows for affordable 100% quality check on every part produced. Implementation is simple with Sinto’s PSMX-I,” said Charlie Gorman, VP Sinto Surface Treatment. Sightia’s ECNI-I, a non-destructive peening inspection instrument, is

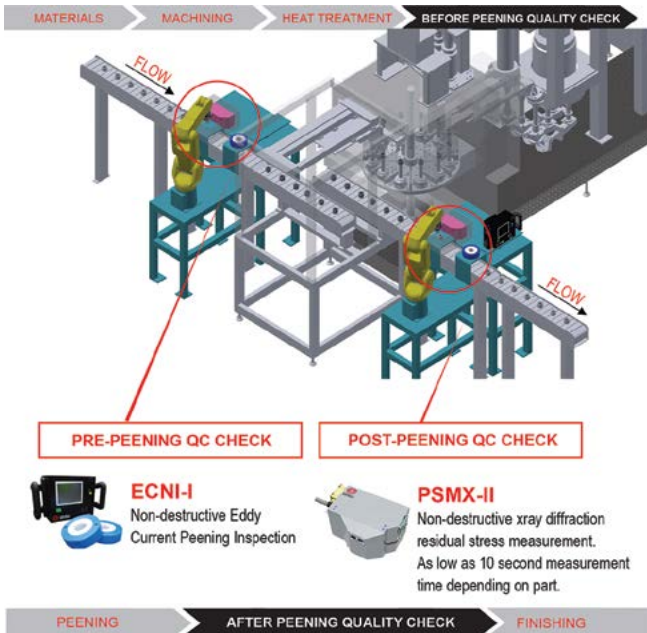
used for detecting variation in machining, peening coverage and heat treatment. ECNI can detect defects on the surface of parts in just three seconds, ensuring 100% inspection without slowing down the production flow.

Sightia’s PSMX-II, an x-ray residual stress measurement device, measures each product’s surface residual stress without destroying it. With the PSMX-II, residual stress data can be collected in only ten seconds after parts have been peened. It is possible to inspect in-line by integration the technology into existing processes, making in-process quality control possible and minimizes distribution of defective products. Overall, Sightia provides a highly accurate, easy-to-use and reliable surface evaluation process.

*Sightia’s ECNI-I—  
a non-destructive  
peening inspection  
instrument*



*Sightia’s PSMX-II—an  
x-ray residual stress  
measurement device*



## ABOUT Sinto America

Sinto America focuses on six primary markets- Foundry, Sand Processing, Bulk Material Handling, Automation, Surface Technologies and Surface Treatment. Sinto also provides contract blasting and precision shot peening services through our National Peening and Technical Metal Finishing divisions. Learn more at [www.sintoamerica.com](http://www.sintoamerica.com).

Sinto has long been recognized as the leader in the design and manufacture for all surface treatment, metal finishing and shot blasting applications. From standard to custom, simple or complex, or a single piece of equipment to a full system, that’s the Sinto difference. Your one stop solution.

Contact: (517) 371-2460 or [sales@sintoamerica.com](mailto:sales@sintoamerica.com). ●