



Non-Destructive Evaluation of Materials

ENGINEERING



The Nondestructive Characterization and Metrology Group at Southern Research specializes in materials characterization and precision testing of materials and structures. The researchers in this group bring together a range of knowledge and experience in areas such as physics, materials engineering, software development and mathematics that results in abilities that range from application and development of NDE techniques to characterization of advanced composite materials. The group specializes in novel approaches and solutions to a variety of customer challenges.



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- Microscopy verification and analysis
- Surface and contour profiling
- Bonding inspection and analysis
- Corrosion inspection
- Multiple layer inspection
- Radiography (X-ray) including CT, scanning of large parts
- Ultrasonic inspection and testing
- Electrical properties evaluation
- Optical metrology
- Conventional metrology



SR

ABOUT SOUTHERN RESEARCH

Founded in 1941 in Birmingham, Alabama, Southern Research is a scientific and engineering research organization that conducts preclinical drug discovery and development, advanced engineering research in materials and systems development, and energy and environmental technologies research. SR supports clients and partners in the pharmaceutical, biotechnology, defense, aerospace, environmental, and energy industries.

We pursue entrepreneurial and collaborative initiatives to develop and maintain a pipeline of intellectual property and innovative technologies that contribute to the growth of the organization and positively impact real world problems.

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