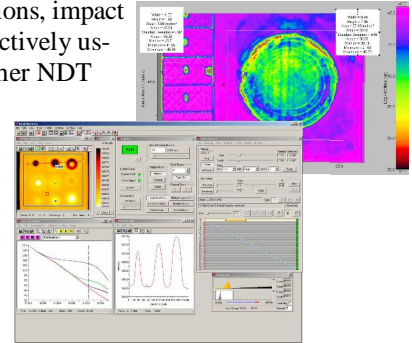


About Thermal Wave Imaging (TWI)



The World Leader in Thermography

Since 1993, Thermal Wave Imaging, Inc. (TWI) has been the recognized leader in thermographic Non-Destructive Testing systems. Whether inspecting the leading edge of the Space Shuttle or enabling quality assurance in helicopter blade manufacturing, TWI provides complete, “real world” solutions. TWI systems detect defects, such as corrosion, delaminations, impact damage and disbonds that cannot be detected as effectively using ordinary thermal inspection methods or many other NDT technologies. Our systems have become the worldwide standard of excellence in thermography, and are used in the most demanding manufacturing, in-service and research applications in the aerospace, automotive and power generation industries



TWI Systems

TWI's integrated systems combine IR cameras, flash optics, hardware and proprietary software to create powerful NDT solutions for our clients. TWI's core systems include the following:

- EchoTherm – TWI's flagship system typically used for manufacturing or R&D applications
- ThermoScope – a smaller unit designed for in-service applications
- Mosaicq – a software solution that allows rapid inspection of large structures, providing a subsurface image of the entire component
- Thermographic Signal Reconstruction (TSR) – a patented software solution that provides the ability to extract greater quantitative detail and accuracy from test samples
- Precision Flash Control – an optional hardware component that allows the user to gain precise control of the timing and duration of the flash used to “excite” the sample

Our Commitment

Our commitment to you begins with clearly understanding your problems and developing focused, cost effective solutions. We act as your partners in the NDT process by providing training, support and technical guidance in meeting your changing application requirements as they evolve.

Our Clients

TWI has worked closely with leading industrial, military and research organizations, such as Nordam, Boeing, Lockheed Martin, NASA, US Navy and Air Force, General Electric, Siemens Westinghouse, Ford Motor, and General Motors.



“The TWI TSR processing approach provides much greater defect detail and allows us to detect deeper flaws than ever before.”

—Jeff Thompson
NDT Engineer
Boeing Commercial
Airplane Group

Thermal Wave Imaging 
THE ART OF INSPECTION