Increase Manufacturing Throughput and Speed Time-to-Market with **NDE Technology**

Incorporating nondestructive evaluation (NDE) concepts and applications throughout the product development timeline can give your company a competitive edge.

Improve Time to Market

Increase Throughput

NDE facilitates quicker design acceptance by reducing risk and eliminating needs for overdesign or costly tight tolerances.

Including NDE early in design-for- inspection concepts facilitates quicker assembly, installation, data logging, and certification processes later.

Concept and Market Feasibility

NDE reduces prototype and build spins through maximum extraction of performance data and integrated computational modeling of structural integrity and sensor-to-defect optimization

In-line, automated NDE inspection speeds up the testing of parts and eliminates destructive sampling.

Design and Prototypes

NDE improves process and material development time through reduction in “break open” or destructive validation tests.

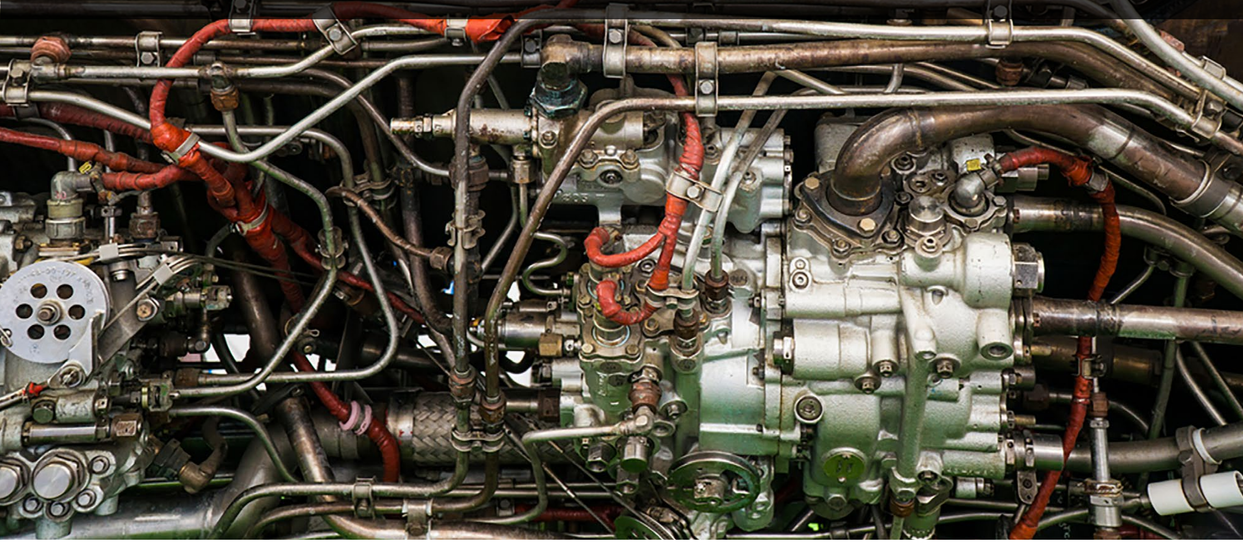
Early detection of defects during intermediary manufacturing stages reduces need for rework at the end of production, and also pinpoints location and severity for quicker repairs.

Manufacturing and Process

EWI OFFERS THESE NDE CAPABILITIES AND TOOLS

Ultrasonics (laser, phased arrays, and traditional)
Electromagnetics (property extraction, multi-array sensors, and traditional eddy current)
Thermography (active, passive, and high resolution methods)

X-ray CT
Computer modeling of NDE and material defects
Machine vision and optical metrology
Robotics and analysis automation
Structural integrity modeling



To learn how EWI can help your organization use NDE to reduce cycle time and make your operations more efficient and productive, contact Shaun Freed at sfreed@ewi.org.

ewi.org
614.688.5000

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We Manufacture Innovation