

Increase Manufacturing Throughput with **NDE Technology**

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

Concept and
Market
Feasibility

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

Design
and
Prototypes

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

Manufacturing
and
Process

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.

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
We Manufacture Innovation

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