

INCREASE MANUFACTURING THROUGHPUT AND REDUCE TIME TO MARKET WITH **Advanced Quality Systems**

Incorporating advanced quality concepts and applications throughout the product development timeline can give your company a competitive edge.

Improve Time to Market

Quality system technologies facilitate quicker design acceptance by reducing risk and eliminating the need for overdesign, redesign, or inappropriately tight tolerances.

NDE reduces multiple prototype cycles through integrated computational modeling of structural integrity and sensor-to-defect optimization.

NDE improves process and material development time by reducing the need for “break open” or destructive validation tests.

PRODUCT DEVELOPMENT TIMELINE

Concept and Market Feasibility

Design and Prototypes

Manufacturing and Process

Increase Throughput

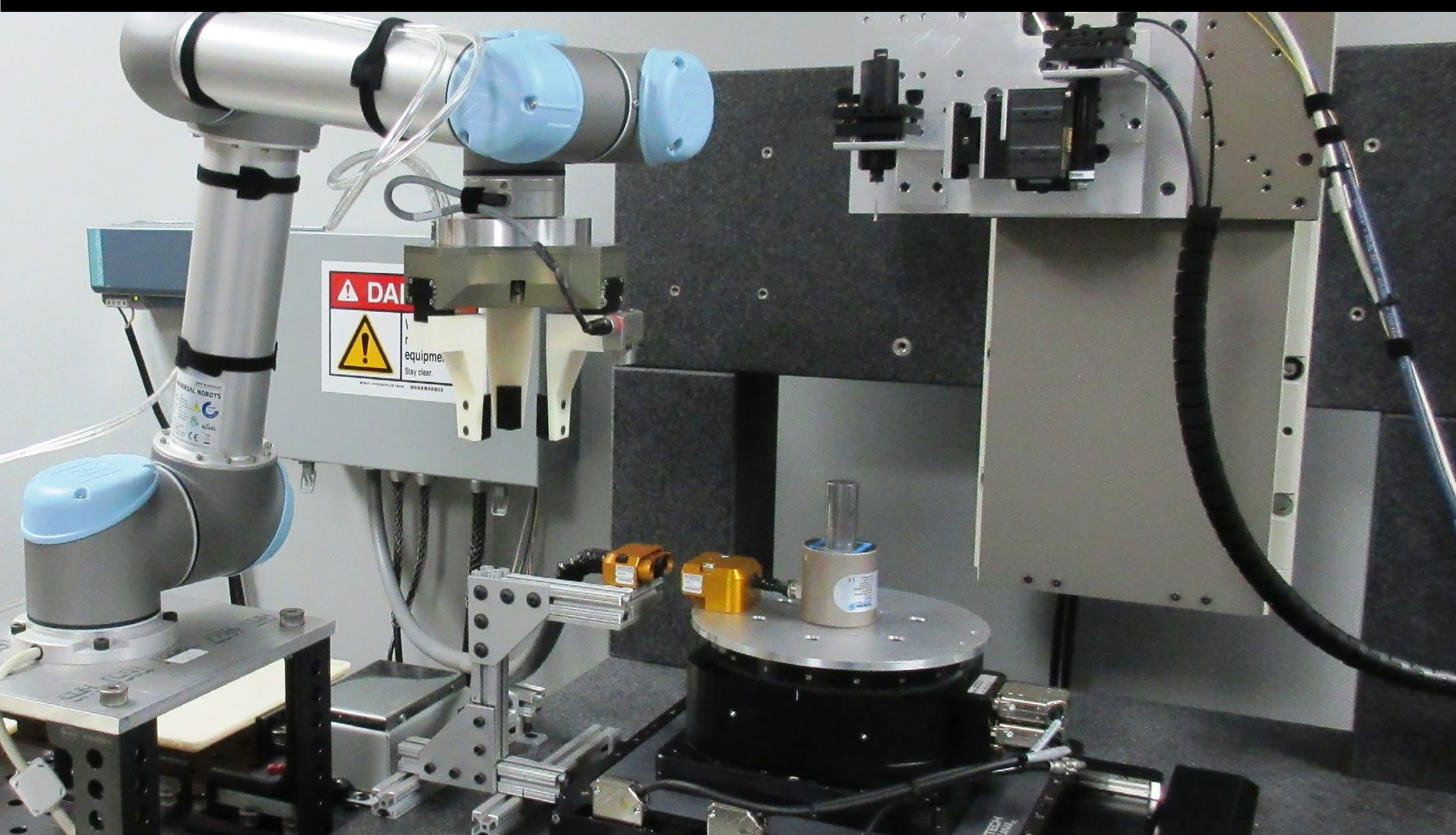
Considering nondestructive evaluation (NDE) processes early in the design phase facilitates quicker assembly, installation, data logging, and certification processes later.

In-line, automated inspection speeds up the testing of parts, eliminates destructive sampling, and provides real-time data to improve manufacturing.

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

EWI OFFERS THESE CAPABILITIES AND TOOLS

- **Inspection system development**
- **Custom sensor development**
- **Image analysis**
- **Data analysis**
- **Artificial intelligence**
- **Automated defect recognition**



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

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EWI
We Manufacture Innovation