

UEI has developed test strategies for a wide range of products, giving our engineers extensive experience that is used to develop comprehensive test methodologies for your product. Test development can occur in parallel with your product development team, or during product startup. We can suggest changes to your product to help test it more completely, faster, and at less cost.

Services Include:

- Test strategy development
- Design for testability (DFT)
- In-circuit test (ICT)
- Automated optical inspection (AOI)
- X-ray inspection
- Automated functional test using rack and stack equipment
- Automated functional test using embedded processor technology in stand-alone test fixtures
- Bench testing

We also provide comprehensive Project Engineering services. The Project Engineer – as the dedicated technical leader of your project team – focuses on product realization, leading other members of our manufacturing group, and is responsible for all technical aspects of your projects, including:

- Product change analysis and implementation
- Project document control
- Product cost reduction initiatives
- Product manufacturability review and risk analysis using DFM guidelines with feedback
- PCB panelization for optimized process flow
- CAD/CAM software generated SMT machine programming
- Custom assembly fixtures
- Data supported process improvements

