



# Quality-One International

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## DFM/A Training Course Outline

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- Introduction to Design for Manufacturing and Assembly (DFM/A)
- Origin of DFM/A
- What is DFA (Design for Assembly)
  - Methods for DFA
  - Design Efficiency
  - Rotations Alignments
  - Part Count
- What is DFM (Design for Manufacturing)
  - Methods for DFM
  - Material Flow
  - Spring-back
  - Lead in features
  - Die Lock conditions
- Benefits of DFM/A
  - Reduction of Components
  - Reliability Impact
  - Cost Benefit Analysis
  - Faster Assembly
- DFM/A Methodology (step by step)
- Workshop 1: Checklist Review
  - Selection of DFA Items
- Workshop 2: Clarification, Rationale and Improvement suggestions
  - Design Tool Linkage
- Workshop 3: DFMEA/PFMEA and Special Characteristics Review
  - Link Collaborative Design Activities
  - Design FMEA / Process FMEA
  - Special Processes