



# Quality-One International

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## Mistake Proofing Course Outline

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- What is Mistake Proofing
  - Poka Yoke
  - Mistake Proofing
  - Error Proofing
- History of Mistake Proofing
- How is Mistake Proofing Used
  - Cannot Produce / Cannot Process / Cannot Pass
- Review Examples and Case studies of each of the three cases
- How is the Level of Mistake Proofing Selected
- Operator Error vs. Machine Error
  - Lapse
  - Mistake
  - Violation
- Step By Step Approach to Mistake Proofing
  - Step 1 - Select Process
    - Internal or External Failures
    - Pareto or Prioritization Method
  - Step 2 - Process Analysis
    - Map the Process
    - Identify Errors (FMEA/RCA)
    - Verify Source of the Error
  - Step 3A - Mistake Proofing
    - Cannot Pass or Accept
  - Step 3B - Error Proofing
    - Cannot Make
    - Types of Devices and Techniques
      - Contact
      - Fixed Value



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- Motion Step
  - Verify effectiveness of choice through experiment
- Step 4 Implementation Strategy
- Step 5 Implement and Validate effectiveness
- Best Practices in Mistake Proofing
  - Catalogue
  - FMEA and FTA feeding Mistake Proofing
  - Control Plans relationship to Mistake Proofing