

No matter how good you are at finding defects, improving your inspection process will not prevent defects from happening in the first place.

Mistake-Proofing Kills Defects

Mistake-Proofing kills defects by analyzing your process to determine the condition that led to the defect and then by eliminating that root cause.

Defects in Your Workplace Will:

- Waste material
- Waste company resources
- Waste your time
- Increase customer dissatisfaction

By Implementing Mistake-Proofing in Your Workplace You Will:

- Eliminate rework
- Eliminate scrap
- Pull costs down
- Prevent recalls
- Retain customers

Take this practical working seminar based on the principles of Poka-Yoke (Japanese for Mistake-Proofing), the most effective method of eliminating defects in the workplace.

This one-day class was developed to give participants a firm base in the Mistake-Proofing method. At the completion of the seminar, participants will be immediately able to apply the seven-step method to eliminate defects in their own workplace.



Attend This Hands-On Seminar

You Will Learn:

- To understand the definition and concepts of Mistake-Proofing
- Better awareness of your own quality issues
- To differentiate between errors and defects
- To identify specific problem conditions in your workplace
- To understand source inspection
- To understand that effective Mistake-Proofing will eliminate errors and the causes of defects
- How to recognize effective Mistake-Proofing devices
- Learn the seven-step methodology to enable you to invent a successful Mistake-Proofing device

If you are involved with any part of dealing with quality defects, this course is for you! Rather than making decisions based on the typical responses to quality problems, learn the Mistake-Proofing system! Instead of repeating past mistakes, attend this seminar and learn the skills needed to make your facility defect free!

Who Should Attend

- Industrial engineers and analysts
- Maintenance engineers and personnel
- Design and manufacturing engineers
- Quality inspectors and managers
- Machine operators and producers
- Lean enterprise champions and drivers

All of the techniques presented are field-proven and derived from successful implementation. Both theoretical and actual cases are presented.

You Will Receive:

- MistakeProofing.net course workbook
- Full-size Mistake-Proofing chart, for use at your own site
- Textbook: Mistake-Proofing for Operators

Samuel R. Hoskins, President, MistakeProofing.net

Mr. Hoskins has been a certified Mistake-Proofing trainer for over 10 years and has facilitated dozens of successful events. He has been in technical fields for his entire career, starting with large plant maintenance, then IBM as Senior Customer Engineer. He taught aircraft maintenance at Southern Illinois University and is an avid aviator.

He has extensive hands-on experience, including spending 10 years as a manufacturing engineer and quality manager. His projects included ergonomic and safety improvements to the workplace, machine reliability, various cost reductions, and, of course, Mistake-Proofing and training. Mr. Hoskins holds aviation maintenance, engineering, and manufacturing degrees from Southern Illinois University Carbondale.

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Condensed Course Outline:

- Welcome & Introductions
- Review Consequences of Making Defects
 - Rework Increases!
 - Scrap Increases!
 - Costs Go Way Up!
 - Recalls Can Occur!
 - Customers May Be Lost!
 - Sales Go Down!

10 Minute Exercise

- List defects in your workplace
- Estimate your costs of that defect
- Present the results

Two approaches to human errors are key to successful Mistake-Proofing.

- Errors are inevitable
- Errors can be eliminated

Discuss Inspections

- Although it is necessary to have optimally efficient inspection, inspections are of little value in the process.
- Even the most efficient inspections are nothing more than efficiently wasteful.
- Inspections are secondary to production.

Learn the Difference Between Errors and Defects

- Cause and effect relationship
- Red flags
- Learn to identify red flag conditions
- Red flag conditions provoke errors
- Red flag conditions make it easier to make mistakes
- Learn specific red flags

Learn Three Basic Concepts of Zero Defects:

- Source inspection
- 100% inspection
- Immediate feedback and corrective action

How Do We Get There?

- Identify where the defect was discovered
- Identify where the defects are made

The Three Types of Poka-Yoke Devices Are (in order of preference):

- Eliminate error
- Detect error
- Detect defect

The Practical Steps of the Mistake-Proofing Methodology:

- Use the Mistake-Proofing chart
- Determine root cause
- Brainstorm
- Implement the Mistake-Proofing device
- Learn some typical Mistake-Proofing devices
- Real life Mistake-Proofing examples
- What is the error?
- What is the resulting defect?
- What is the Mistake-Proofing device?
- Industrial Mistake-Proofing examples

Hands-On Exercise in Mistake-Proofing

- Use the chart to analyze the problem
- Brainstorm - SOLVE
- Present
- Group Mistake-Proofing exercise
- Use the chart to analyze the problem
- Brainstorm - SOLVE
- Present

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registration form

Please Print

1 Full Name (First, MI, Last, Suffix) _____

E-Mail _____

Company Name _____

Address (Home or Work) _____

City, State, ZIP _____

Daytime Phone (_____) _____ Fax (_____) _____

- Please include my information on the participant roster.
- Please do not include my information on the participant roster.

2 Fee
The seminar fee of \$495 per person includes text book, instruction work book, and all class materials. Confirmation will be sent upon receipt of your registration.

3 Payment
 Check Enclosed, payable to MistakeProofing.net
 Charge to: Credit Card Company _____

Card # _____ Exp _____

Name on Card (print) _____

Bill Company
PO # _____

Billing Address _____

4 Information
Class Location _____

Class Date _____

5 Preferred Means of Communication
Please continue to send MistakeProofing.net information by (check all that apply):
 Mail E-Mail Fax
 Please remove my name from the mailing list

6 Easy Ways to Register
Mail Complete the registration form and mail with payment made payable to: MistakeProofing.net
2119 Rains Street
Murphysboro, Illinois 62966
Phone 618-967-0016
Fax 312-212-4086
Web www.mistakeproofing.net

***** Special Accommodation
If you will need special accommodations, please mark the box above and a member of the staff will contact you.

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