

WHO SHOULD ATTEND

Associates
Team Members
Operators
Maintenance
Engineers
Managers

Anyone who is involved, directly or indirectly, in the maintaining of equipment in your plant.

WHAT PARTICIPANTS HAVE SAID

This is much more than a troubleshooting workshop. This is the link between equipment and the thought process of troubleshooting.

Rick Sims
Manager of Best Practices
Power Packaging

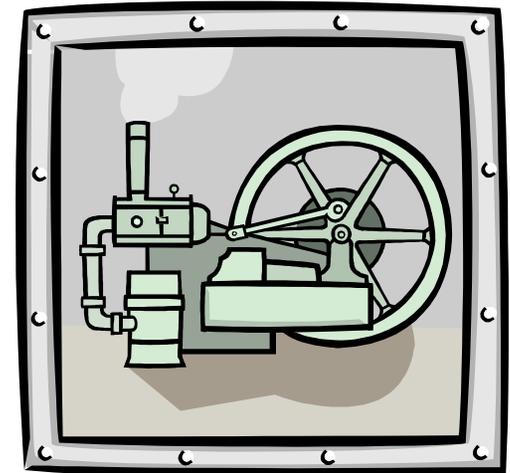
Our employees have had three different troubleshooting classes. This is the first one I have seen them use on the shop floor. That makes it work for me.

Brandon Masters
Plant Manager
Metrotech Applied Technologies

Understanding How Machines Think provides a simple systematic method of separating the multiple functions of any machine into separate operations, identifying and recording the information needed to identify the problem and analyze a solution.

UNDERSTANDING HOW MACHINES THINK

*The First and Only Hands-On
Systematic Troubleshooting
Workshop*



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UNDERSTANDING HOW MACHINES THINK

There are many seminars, available today, that provide Systematic Troubleshooting methodology.

Most of these seminars are based on a thought process.

This “thought process” is a method to analyze a problem. This is a valuable tool for many problems, but how do you relate the “thought process” to a production machine?

This is where the process fails. In order to systematically troubleshoot a machine, you have to understand how that machine works. What each component does, how it functions. What is the final result of the machine and all of its components.

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HISTORY OF THIS WORKSHOP

In 1992 at a new plant startup in the North-Eastern United States, a new workforce untrained in the equipment and processes of the plant was hired.

The engineering department of this new plant was responsible for training team members in the correct operation and maintenance of the equipment.

The question was “How do we teach troubleshooting skills to an inexperienced workforce?”

THE “SIMULATOR”

Manufacturing Solutions International was commissioned to address this challenge.

The solution was to build training “Simulator”. An actual machine that contained components and operated similar to actual production machines. This would allow hands on demonstration of troubleshooting of actual equipment problems.

The result, a “Simulator” that is used as a hands-on training tool. This simulator is an actual working machine that performs specific functions, and produces a specific result or product.

ABOUT THE “WORKSHOP”

Participants in this 1 day hands-on workshop work with the production

simulator to identify machine components and their functions. They use a specially designed wall chart to list each operation of the machine and identify the components involved in that operation.

Components identified within the machine are analyzed and methods of component testing are discussed.

The last phase of the training is the troubleshooting process. Using a chart for guidance, teams learn to identify the problem and, referring to the “Machine Information Chart”, narrow the problem to a specific operation or area of the machine. Thus eliminating all components that could not possibly cause the problem.



For More Information or Workshop Schedules Please contact us at 423-238-7601