Autonomous Maintenance
Training Outline

“achieving results through people”

Autonomous Maintenance

A focus on maintenance techniques, metrics including Equipment Effectiveness (O.E.E.)…

Description:
An overview of Autonomous Maintenance, which is a segment of TPM, will be reviewed with an emphasis on what it is and an implementation plan. The workshop will review the different types of maintenance activities. The metrics that apply to maintenance, reliability, maintainability, OEE, and the six big losses will be reviewed. The group will also walk through an example of calculating OEE using an Excel spreadsheet and also example from one of the participants. Participants will walk through an implementation of Autonomous Maintenance from identifying a piece of equipment through determining the team, training plan, developing the checklists and finally monitoring the results. The “5 Whys” will be covered as a problem solving tool to determine the root cause of machine breakdowns.

Prerequisites:
To obtain maximum benefit, participants that are looking for an overview of TPM, maintenance techniques, metrics including OEE should attend this workshop. Participants should come prepared to interact and contribute to the solutions developed.

Format:
The first half of the session is a classroom format with an emphasis on discussion. The second half is a walkthrough of a piece of equipment chosen by the team on the shop floor. We will review of the equipment from an Autonomous maintenance point of view and discuss changes and options.

Specific Objectives:
Upon completion of this interactive training session, participants will be able to:
1. Know how maintenance reliability effect pull systems
2. Understand various maintenance metrics including OEE
3. Be able to calculate OEE and understand the three main components.
4. Is Autonomous Maintenance the next step in our Lean journey?
5. Can autonomous Maintenance be combined with 5 S?
6. How do we implement Autonomous Maintenance?

Resources Required:
- Video Camera
- One flip chart and indicator display materials
- LCD and overhead projector with screen

Updated: April 2012