

## Overview

The high level overview describes the aspects of preventative and improvement maintenance as a vital tool in keeping the equipment fully functioning. The intent of implementing TPM practices is to reduce production downtime, which transfers into achieving or increasing production capability requirements. The course defines the more extensive role of operator in maintain their equipment, maintenance function, and overall benefits for the system.

## Objective

- To engage operators into performing (non-skilled) maintenance tasks.
- To reduce system downtime through education of all operational personnel.
- To show the alignment and use of several lean tools (5S, OEE, quick changeover, problem solving methods, and visual management controls)

## Topics

1. 5 Phases of Total Productive Maintenance
2. 6 Types of Losses (elements of OEE)
3. 7 Steps of Autonomous Maintenance
4. Radar Chart

## Assessment/Activity

Participants will be requested to

After training is completed, individuals will rate the system on each element of the 5 Phases of TPM. Open discussion to be held afterwards to clarifying scoring and obtain ideas for improvement from the personnel.

## Course Timing

This course, when taught only by its topics, is estimated to be 1 hour to 90 minutes with Assessment and follow up discussions

The course is often taught in connection with overviews of the following subjects: 5S, OEE, and Quick Changeover. If completed in this manner, the course is a minimum of 2½ hours in duration.

## Materials

Overhead projector  
Slide Show Presentation  
Radar chart  
Flip charts  
Pencils  
White Board/ Markers

## Participants (8-10)

Operators  
Maintenance personnel  
Manufacturing Engineer  
Quality Engineer  
Manager/supervisor

## Milestones

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### **Pre-Requisite – All Fundamental Orientation Courses (101-105)**

Defined advantage of implementing thorough maintenance practices into the system.

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### **90 Day Review**

Team Leader reviews downtime logs with supervision examining the results of equipment with TPM focus. Focus should be on extending TPM practices through the entire department or area.

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### **6 Months**

Same as above, with status report given by manager at Quarterly Manufacturing Meetings.