

TPM-AM: ENHANCE EQUIPMENT EFFECTIVENESS THROUGH IMPLEMENTATION OF AUTONOMOUS MAINTENANCE



Don't you think the stable operation of the machine and equipment is the key point to increase the productivity of a factory?

Is your factory also having the same problems as below?

- ✦ Unexpected breakdown and unplanned stops of machine and equipment often happen, hence having bad effect on factory's productivity, delivery and especially customer satisfaction?
- ✦ Operators don't play any supporting role in maintenance, but push all the tasks to maintenance team?
- ✦ You are not sure how to implement Total Productive Maintenance – Autonomous Maintenance (TPM – AM), and measure effectiveness of TPM – AM activities and calculate Overall Equipment Effectiveness (OEE).

Aimnext's training of TPM – AM helps your factory build a TPM – AM system and implement autonomous maintenance from operators to decrease unexpected problems, maximize OEE and increase factory's production capacity.

CONTENT

Part 1: Overview of TPM

- ✦ What is TPM
- ✦ Goals of TPM
- ✦ Eight Pillars of TPM

Part 2: Overview of TPM - AM

- ✦ What is Autonomous Maintenance (TPM – AM)?
- ✦ 7 Steps of Autonomous Maintenance (TPM – AM)
- ✦ Goals of Autonomous Maintenance
- ✦ 4 equipment-related skills for operators

Part 3: 3 key tools for AM Activities

- ✦ Activity Board: Structure of an Activity Board
- ✦ Meeting : Guidelines for an effective team meeting
- ✦ One-Point Lesson: Guidelines for developing One-Point Lesson

Part 4: 7 Steps of TPM – AM implementation

- ✦ Step 1: Clean and Inspect
- ✦ Step 2: Eliminate Problem Sources and Inaccessible Areas
- ✦ Step 3: Draw up Cleaning and Lubricating Standards
- ✦ Step 4: Conduct General Inspection
- ✦ Step 5: Perform Autonomous Inspection
- ✦ Step 6: Standardize through Visual Management
- ✦ Step 7: Implement Autonomous Equipment Management

Part 5: AM Measuring & Auditing Activities

- ✦ TPM Metrics: What to Measure?
- ✦ 3 important reasons for Audit
- ✦ Key points of AM Implementation
- ✦ Roles of managers in AM measuring & auditing activities
- ✦ TPM-AM Metrics - MTBF, MTTR , MTTF

Part 6: Overall Equipment Effectiveness - OEE

- ✦ What is OEE?
- ✦ Why is OEE critically important?
- ✦ 6 Big Losses in Equipment Efficiency
- ✦ How to Calculate OEE

Part 7: Summary and Action Plan

OBJECTIVES



- Understand methods which can support managers to improve knowledge and skills for operators, enhancing the active involvement of operators in maintaining basic conditions and detecting signs of equipment failure, hence eliminating defects from the source.
- Improve machine uptime, reduce waste/loss due to breakdown/damage, increase overall equipment effectiveness (OEE), thereby increase factory's productivity..

TARGET



- ☐ Staff
- ☒ Middle-Management
- ☒ First-line Management
- ☐ Top-Management

METHOD



30% theory, 70% practice through group discussions, presentations, case studies, role-playing, games, etc.



A I M N E X T

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