

# Kaizen Event for Preventative Maintenance

*Utilizing Lean Manufacturing Principles*



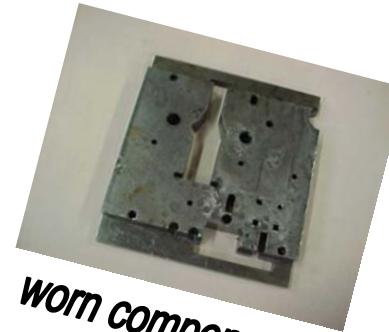
**miss-hits**



**cracked components**



**poor execution**



**worn components**



**miss-alignment**

**P<sup>4</sup>**

Offers our new program targeted to your specific tooling issues

**Predict, Prepare, Prevent, and Produce!** © Eliminate running to failure.

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Following is a partial list of tasks required to set up a comprehensive PM program:

- Audit your existing processes to determine what you do now, why you do it and how often. This involves tooling records, maintenance records, production records, drawings and any other formal tracking resource known.
- Separate or categorize critical tooling by family.
- Determine and define your existing diagnosis and repair of dies. (who, what, where, when and why). What is currently done now? This may involve 2 or 3 team meetings with your tooling people. This not only helps to define your existing process but also uncovers needed or not needed tasks.
- Determine and define what actually is done after the diagnosis using your existing process of die maintenance, if any.
- Determine the critical wear components, and analyze all tasks. This is required to determine if a need for tool inventory exists. If so, employ best practices techniques for cost control and component utilization.
- Determine failure modes for all families of tools. This involves root cause analysis and quantifies objectives.
- Formulate a comprehensive "Best Practices" work instruction, die maintenance book, and flow chart for each family of tools.
- Determine additional cost savings through TPM, 5S, and QDC including tasks from your tool build operations.

The objective is to determine when to service your tooling and how to service it. We will also emphasize the risks taken, when overriding proper maintenance. If this is something you are interested in please let us know. We will forward you a proposal for this project.

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