

The Use of Value Stream Mapping to Improve Primary Image Process in Printed Circuit Board - A Case Study of H Company

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ABSTRACT

Lean Production is widely applied to various improvement projects in the industry. The main analysis tool of this study is Value Stream Mapping (VSM) of Lean Production. We use it to discuss one important process “Primary Image Department” which is in the long production process of Printed Circuit Board (PCB) and find the waste and chances of improvement, then We completely eliminate the sources of invaluable operations during production.

Through the analysis of VSM, Creating Continuous Flow and production line rearranging etc, future ideal-state diagram can be planned and improvement plan can be developed. The results of the study can provide decision-making management to guide the production process into future ideal condition. The result of this research showed that the application of Lean Production enhances the productivity and marks significant effectiveness in studied case.

Keyword: Lean Production 、 Value Stream Mapping 、 Printed Circuit Board (PCB) 、 Waste Elimination