ABSTRACT

Title : Defect Reduction in the Board Front Door Trim Manufacturing Process

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From the study of production process for Board Front Door Trim, significant production defects that affect the production cost were found. Therefore, the objective of this study is to reduce production defects.

By the use of 7 QC Tools in the analysis of the defect problem within the inefficient production process, the causes of the problems in each step of the plastic injection process were considered, categorized and classified. The problems are solved by improving the production process to decrease the defects.

The results from the improving production operation indicate that the number of defects in term of incomplete piece, the most occur type of defects, can be brought down by average from 614 units to 195 units per month. The total production defects of 1192.6 units per month can be decreased to 657 units per month. And the average defective rate is lower from 8.87% to 4.38%

Keywords: Defects Reduction, 7 QC Tools, Board Front Door Trim