

Industrial Research Project Title	Development of Quality Control Process Chart for Hot Forging Process of Water Meter
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Abstract

The purpose of this study was to design quality control process chart for foundry process of water meter by selecting a factory manufacturing valves/fittings and water meter as a case study. In the preliminary study, it was found that this factory did not have appropriate quality management system for process and did not have documentation on the quality system. In addition, there were no standard for inspection. This study has proposed an appropriate quality management system foundry process is as follow : 1. making of quality control process chart for foundry process and 2. development documentation on the quality system . Then, the developed quality system was implement. For the evaluation, internal quality audit was used to measure the effectiveness of this system. The result from internal audit indicated the higher level of system's quality has been achieved. This study also suggested the factory to the QC process chart applied to other products.