PRODUCTION AND QUALITY CONTROL OF A FOUNDRY USING SPC.

PROJECT REPORT SUBMITED BY
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Type of Project : Individual

June 1989

Introduction

The objective of this project is to improve the productivity of a foundry industry by using statistical process Control.

In order to fulfill the goal of the project the whole production processes of a specific foundry was studied. Many shortcomings were detected and possible solutions were suggested in order to overcome such shortcomings. Suggestions were pointed out to improve the existing safety measures in the factory

The Quality Control procedure and techniques at the SKK Castings and Foundries were investigated. The conclusion derived was that the existing Quality Control methods are not efficient. For this reason proposed Quanlity control methods are suggested. An economic comparison is performed for the existing and proposed Quality Control methods.

A Variable Control chart has been constructed to investigate whether the production process was satisfactory.

From the theoretical point of view the project work contains almost all production processes and Quality Control methods and techniques that can be found in a Foundry Industry.

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