URN etd-0407109-183723-1873
Author Hsieh-Ching Yen
Author's Email Address No Public.
Statistics This thesis had been viewed 52 times. Download 16 times.
Department
Year 2006
Semester 2
Degree Master
Type of Document Master's Thesis
Language zh-TW.Big5 Chinese
Title The Study of Economic Manufacturing Quantity Model for Imperfect Production Process
Date of Defense 0000-00-00
Page Count 93

Keyword
Economic Manufacturing Quantity
X-bar Control Chart
Quadratic Quality Loss Function
Process Mean
Warranty

Abstract
Traditional economic manufacturing quantity（EMQ）model assumes that the production process is perfect. However, due to process deterioration or othere factors, the defective items are generated in the production process. In this study, the author proposes the modified EMQ model for determining the economic manufacturing quantity and process parameters.

There are three modified models considered as follows: 1. the integrated model with X-bar control chart and EMQ; 2. the integrated model with process mean and EMQ; 3. the integrated model with EMQ and warranty. The numerical examples and the sensitivity analyses of parameters are provided for illustration.
Advisory Committee Chen-Chung Ho - advisor

Files etd-0407109-183723-1873-001.pdf

indicate access worldwide
Date of Submission 2007-07-09