Home ▶ All Journals ▶ Production Planning & Control ▶ List of Issues ▶ Volume 14, Issue 7 ▶ A simple integrated production policy of

Production Planning & Control > The Management of Operations Volume 14, 2003 - Issue 7

438 96 0

Views CrossRef citations to date Altmetric

Original Articles

A simple integrated production policy of an imperfect item for vendor and buyer

Suresh Kumar Goyal, Chao-Kuei Huang & Kuo-Chao Chen

Pages 596-602 | Published online: 06 Oct 2011

Sample our
Engineering & Technology
Journals
>> Sign in here to start your access to the latest two volumes for 14 days

Full Article

Figures & data

References

66 Citations

Metrics

Reprints & Permissions

Read this article

Abstract

This article develops a simple approach for determining an optimal integrated vendor–buyer inventory policy for an item with imperfect quality. The objective is to minimize the total joint annual costs incurred by the vendor and the buyer. This model is assumed to produce a certain number of defective items during the production process. Items of poor quality detected in the screening process of a lot are sold at a discounted

price. The procedu

also give



About Cookies On This Site

We and our partners use cookies to enhance your website experience, learn how our site is used, offer personalised features, measure the effectiveness of our services, and tailor content and ads to your interests while you navigate on the web or interact with us across devices. You can choose to accept all of these cookies or only essential cookies. To learn more or manage your preferences, click "Settings". For further information about the data we collect from you, please see our Privacy Policy

Accept All example is

Essential Only

Settings

SURESH KUMAR GOYAL is a Professor in the Department of Decision Sciences and Management Information Systems, Concordia University, Montreal. He was awarded a BSc in Mechanical Engineering at Ranchi University (India), a Dip. Tech. Sci. in Production Engineering from the University of Manchester Institute of Science & Technology, and an MSc in operational research from the University of Strathclyde. Professor Goyal has been a senior Lecturer at Polytechnic of Wales, a Research Fellow in the Department of Operational Research at the University of Strathclyde, a Lecturer at Newcastle upon Tyne Polytechnic and an assistant maintenance Engineer at Gauhati Refinery in India. He has published over 200 articles in Indian, American, Canadian, Danish and British journals. Professor Goyal's articles have appeared in Management Science, Operations Research, Operational Research Quarterly, International Journal of Production Research, Hydrocarbon Processing, Petroleum management, etc. The application of operational research techniques in small companies is his present research interest, and in the past his research included the application of operational research techniques to stock control and maintenance problems.

CHAO-KUEI HUANG is an associate Professor in Industrial Engineering and Management at Cheng Shiu University in Taiwan. He holds a PhD in Industrial Management from the National Taiwan University of Science and Technology. His research interests are in the field of stochastic models, inventory controls and logistical management. He has had publications in the International Journal of Operations and Quantitative Management, Production Planning & Control, Journal of Information & Optimization Sciences, Journal of Statistics & Management Systems, International Journal of Production Economics and Opsearch.

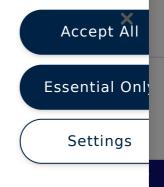
KUO-CHAO CHEN is a Lecturer at Cheng Shiu University in Taiwan. He holds a MSc in Material Science Engineering from National Tsing Hua University. His research interests are in the field of superconductor's characteristics and stochastic models, inventory

controls

About Cookies On This Site



We and our partners use cookies to enhance your website experience, learn how our site is used, offer personalised features, measure the effectiveness of our services, and tailor content and ads to your interests while you navigate on the web or interact with us across devices. You can choose to accept all of these cookies or only essential cookies. To learn more or manage your preferences, click "Settings". For further information about the data we collect from you, please see our Privacy Policy



Information for

Authors

R&D professionals

Editors

Librarians

Societies

Opportunities

Reprints and e-prints

Advertising solutions

Accelerated publication

Corporate access solutions

Open access

Overview

Open journals

Open Select

Dove Medical Press

F1000Research

Help and information

Help and contact

Newsroom

All journals

Books

Keep up to date

Register to receive personalised research and resources by email















Copyright © 2024 Informa UK Limited Privacy policy Cookies Terms & conditions



Accessibility

Registered in England & Wales No. 3099067 5 Howick Place | London | SW1P 1WG

About Cookies On This Site



We and our partners use cookies to enhance your website experience, learn how our site is used, offer personalised features, measure the effectiveness of our services, and tailor content and ads to your interests while you navigate on the web or interact with us across devices. You can choose to accept all of these cookies or only essential cookies. To learn more or manage your preferences, click "Settings". For further information about the data we collect from you, please see our Privacy Policy



Essential Onl

Settings