

International Journal of Production Research >
Volume 53, 2015 - Issue 15


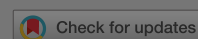
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Articles

A mixed control chart to monitor the process

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Pages 4684-4693 | Received 11 Apr 2014, Accepted 13 Mar 2015, Published online: 13 Apr 2015

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Abstract

In this paper, we propose a mixed control chart to monitor the process quality using attribute data combined with variable data. The proposed control chart proceeds like an np control chart based on the number of nonconforming parts but requires variable data only when the decision is indeterminate. The control coefficients are determined by considering the in-control and the out-of-control average run lengths for various specified parameters. The extensive tables are provided for the industrial use. The advantages of the proposed control chart are discussed over the traditional np control chart.

Keywords

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Acknowledgements

The author would like to thank the Deanship of Scientific Research (DSR), King Abdulaziz University, Jeddah, for the valuable suggestions and support. The author, Muhammad Aslam, is a Professor in the Department of Statistics, University of the Punjab, Lahore, Pakistan.

Muhammad Aslam, therefore, wish to acknowledge with thanks the DSR technical and financial support.

Disclosure statement

No potential conflict of interest was reported by the authors.

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