

# **Process Improvement By Variance Reduction For A Single Filling Operation With Rectifying Inspection**

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## **Summary**

Recently, there has been a great interest in the economics of quality control. Process mean targeting is one of the quality control problems which has attracted many researchers. Many papers have been written on finding the optimal mean setting of the process, but very few papers have considered the value of variance reduction. In this paper, we consider a single filling operation with rectifying inspection. We study the effect of the variance on the process performance. We analyse the cost saving which results from reduction in the process variance. We also provide a numerical example.

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