

## **Rectifying Inspection Plans Applied in the Determination of the Optimum Process Mean**

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### **Abstract**

In this paper, we present a modified Pulak and Al-Sultan's model for determining the optimum process mean under the rectifying inspection plan. Both the lot tolerance percent defective (LTPD) protection and the average outgoing quality limit (AOQL) protection are considered in the modified model. By solving the modified model, we can obtain the optimum process mean with the maximum expected profit and the specified quality level reached.

*Keywords:* Rectifying Inspection Plan, Process Mean, Process Optimization, Dodge-Romig's Tables.