

STUDY OF PRODUCT QUALITY CONTROL METHODS IN THE PRODUCTION OF A QUALITY PRODUCT

Kh.Ortikov, D.Akhmedova

Teacher at Namangan State Technical University

Annotation: The essence of quality control of products in the production process is the production of high-quality products by checking measures and methods aimed at ensuring the high quality of manufactured products.

Keywords: Gas meter, municipal, industrial, household, rotary, tubular, vortex, diaphragm gas meter, direct metering, collective metering, joint metering, indirect metering, flow meter, raxodometer, ultrasonic gas meter, speed and volume meters.

The essence of product quality control in the production process means a set of measures aimed at ensuring high quality of manufactured products. Product quality control includes mandatory processes such as random inspection, strict control, as well as processes related to classification and use of terminology.

Quality control of selected products is the measurement or verification of the quality of products presented as a certain product. In this case, the quality of the product is checked on the basis of a selected sample of the product, which is the object of control. This method of control is used to ensure that the average assessment of the quality of the product obtained for the sample is equal to the quality of the product obtained for the entire volume of products.

The impact of product quality control on product quality is that product quality control allows not only to ensure high product quality, but also to evaluate the production process as a whole. Properly organized product quality control allows to increase the efficiency of the production process and reduce the number of defective products.

Product quality control plays an important role in improving product quality and production efficiency, which is necessary for competitiveness in the market.

Incoming inspection is the process of quality control of products at the stage of entering production. In the context of the industry, the object of access control is raw materials, materials and components included in the production process.

The use of access control terminology is regulated by a standard that defines mandatory steps and means of control. Mandatory stages of incoming control include control selected in accordance with the specified characteristics of product quality.

Intermediate quality control of products. Intermediate quality control of products is a mandatory part of the production process, included in the quality control system. The essence of this control is the selection and constant analysis of the quality of finished products included in the production process.

- Classification of intermediate control by types of control objects:
 - o Raw materials (raw materials);
 - o Intermediate products (intermediate products);
 - o Finished products.

Intermediate control also implies the use of mandatory state standards regulating quality in the production of medicines. Guarantees the quality and safety of its products at all stages of production and sales.

Final control. Final quality control is one of the mandatory types of control at the production stage. This means that each manufactured product must undergo strict control before it is released to the market.

Random monitoring and control of the production process helps reduce the percentage of defects and ensure consistent product quality at all stages of production. However, the final inspection is the last stage of quality control that every manufactured product must pass before entering the market.

As part of the final control, all mandatory types of control are implemented, however, the use of specialized equipment and instruments for monitoring the relevant physical, chemical and biological indicators is permitted.

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