IDENTIFICATION OF THE CAUSES OF NON-CONFORMITIES IN THE PRODUCTION PROCESS AND SUBSEQUENT IMPLEMENTATION OF MEASURES

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В статті проаналізовано виявлення причин невідповідностей у виробничій організації різних підприємств Словаччини та розглянуто методи покращення їх якості.

Identifying and managing non-conformances is a large process that involves almost all sectors of a manufacturing organization. Most companies in Slovakia already understand the need to continuously address quality improvement. This thesis focuses on the use of FMEA to identify the causes of nonconformances in a manufacturing organization. The FMEA method is a system and risk analysis that is part of the professional fields and its role is to optimize and reduce risk. It is a preventive method and therefore it is important to perform it in a timely manner.

The PDCA method is an improvement method. In order to make the right decisions during the management of the production process, 4 steps - Plan, Do, Check, Action - need to be followed. As a result, the whole PDCA cycle needs to be repeated[1].

An effective team method for finding as many ideas as possible is the brainstorming technique[2]. It finds its application especially in situations that require a non-standard solution. In this paper, we are most concerned with the FMEA method, which is quite frequently used. The FMEA method is often used in manufacturing due to the fact that we can use it as a standard for other products[3]. With the help of FMEA we can determine the amount of risk of each potential defect and based on that it is possible to take effective measures to reduce the risk. Using this method, we have found that the biggest problem tends to be worker inattention.

References:

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