

**CALCULATION OF TECHNOLOGICAL LOSSES IN AUTOMOBILE WINDOW
MANUFACTURING ENTERPRISES**

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Abstract: When forming the cost of production of automotive glass for vehicles, the consumption rates of basic materials and technological losses are important. In this article, and accurately calculate the consumption rates of basic materials, as well as analyze them. In conclusion, recommendations are given to reduce the consumption of materials.

Key words: Technological losses, breakdown, consumption of basic materials, technological processes, organization of production, quality indicators.

In modern economic conditions, the formation of an organizational-economic mechanism of saving resources in the enterprise is an urgent problem, because its solution allows to use resources economically in the production of competitive products.

When it comes to the monitoring of the use of material resources as the main link of the organizational and economic mechanism of saving resources, monitoring of the level of material costs should be carried out regularly.

In order to effectively use the main material resources in our research work, we made it a priority task to reduce the technological losses in the consumption of material resources through the algorithm of optimized planning during the research period.

Analysis of literature on the topic

In general, to develop the theory and methodology of normative accounting and production consumption of materials, in particular, foreign economists: K. Drury, R. Mullendorf, E. Hendriksen, R. Anthony A. F. Aksenenko, P. S. Bezrukikh, I. A. Belobetsky, V. A. Beloborodova, G. G. Bocharov, K. M. Garifullin, V. A. Erofeeva, N. N. Ivanov, V. B. Ivashkevich, Z. M. Karpasova, T. P. Karpova, A. D. Larionov, V. S. Levin, A. Sh. Margulis, E. A. Mizikovsky, V. D. Novodvorsky, O. M. Ostrovsky, V. F. The Palys contributed greatly

Information on research methods.

Scientific observation, analysis and synthesis, induction and deduction, monographic statement style, logical and economic-statistical analysis, comparison, grouping of statistical data, economic-mathematical methods of calculating perspective indicators were used in the research work.

Analysis and results

The concept of economical use of material resources shows that all losses occurring in the production process can be divided into seven groups (see Figure 3.3.1).

Losses due to worker
and bench rest

Losses due to
unnecessary
processing of
products

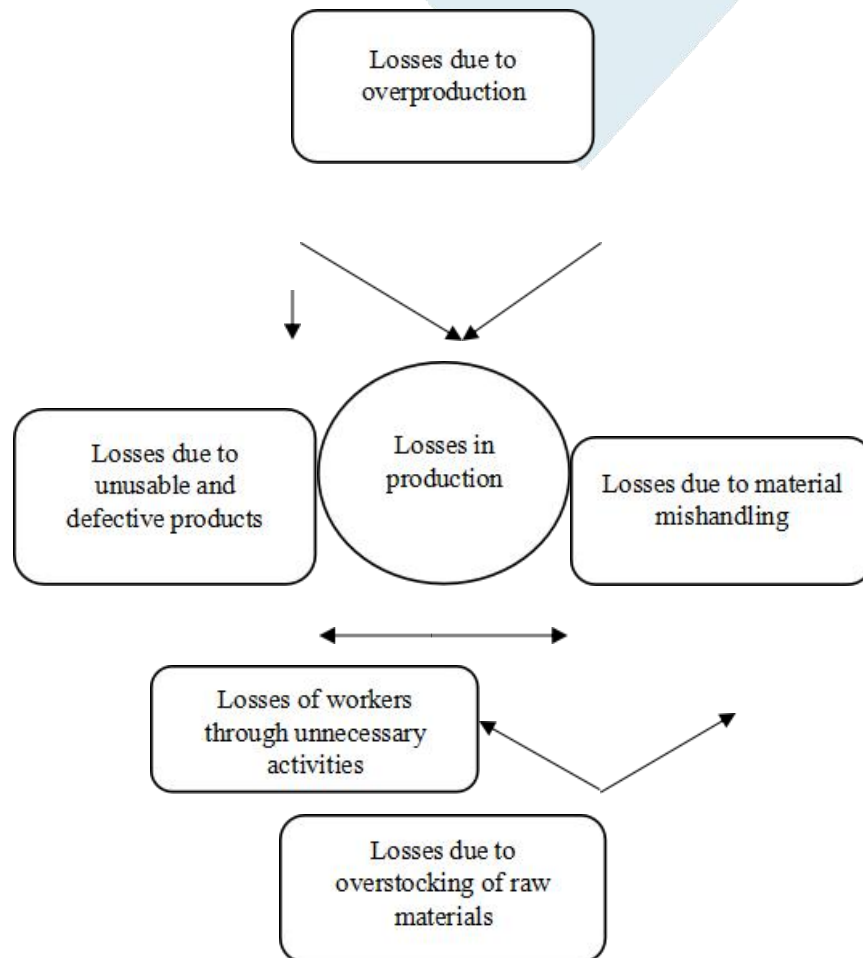


Figure 3.3.1. Classification of losses.

Another disadvantage is that the car uses materials to adjust the workbenches in preparation for technological processes in the production of windows. These losses also occur in the form of technological losses.

Technological losses are losses of material resources (raw materials, materials, semi-finished products), technological time and human resources. is the loss of raw materials and materials.

But technological losses at "Avtooyna" LLC do not include the losses shown in Figure 3.3.1. The expenditure of material resources spent on setting up workbenches until the production of the first usable product of the type of glass to be produced according to the plan is considered as technological losses. Due to the fact that there are more than 50 product types of the complete windows of the car models given by the customer, adjustment works are carried out at each of the machines of the "Cutting and pre-treatment", "Collection" and "Lamination" lines.

Based on the percentages of these technological losses, the annual production consumption standards (norm) are established. Through the coefficient resulting from the multiplication of technological losses in each production section, it represents the production of the same type of product with technological losses.

Summary

In our opinion, the above-mentioned losses should be included in the technological losses of material resources. Also, our proposed planning algorithm avoids the loss of material resources through excessive technological losses through an optimal plan when the annual plan is divided into months. Because if the number of production batches is small, as a result of the increase in adjustment work, there will be delays in production, and the consumption of the main material resources used for adjustment will be high.

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