

## MODERN TRENDS IN THE CHOICE OF VERTICAL PACKERS CONCEPT

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### ABSTRACT

The strong competition in the global market, which is becoming more open, leads to the fact that packer manufacturers must diversify their production program. Companies that previously had only few products are now forced to constantly release new, or the same products in new packaging. Such requirements for packer manufactures mean that they must ensure the flexibility of machines, so that they can work with more sizes, and sometimes with more different forms of packaging. A very important item is the quick change of format, which in the case of vertical packers means the replacement of the forming set, as well as the quick adjustment of parameters that need to be executed by software. The main trends in choosing a packer concept are reducing the level of mechanical complexity, increasing the complexity of the control system and providing electronic synchronization of the packer subsystem. The paper provides guidelines for the selection of concepts of individual subsystems of vertical packers, which would, in addition to meeting the required operating parameters, provide the necessary flexibility.

*Keywords: vertical packers, modern trends, flexibility*