

## Design Approach for the Development of Format-Flexible Packaging Machines

**Authors :** G. Götz, P. Stich, J. Backhaus, G. Reinhart

**Abstract :** The rising demand for format-flexible packaging machines is caused by current market changes. Increasing the formatflexibility is a new goal for the packaging machine manufacturers’ product development process. There are no methodical or designorientated tools for a comprehensive consideration of this target. This paper defines the term format-flexibility in the context of packaging machines and shows the state-of-the-art for improving the changeover of production machines. The requirements for a new approach and the concept itself will be introduced, and the method elements will be explained. Finally, the use of the concept and the result of the development of a format-flexible packaging machine will be shown.

**Keywords :** packaging machine, format-flexibility, changeover, design method

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