World Academy of Science, Engineering and Technology
International Journal of Mechanical and Mechatronics Engineering
Vol:10, No:01, 2016

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
Conference Title : ICMMME 2016 : International Conference on Mechanical, Mechatronics and Manufacturing Engineering
Conference Location : Singapore, Singapore
Conference Dates : January 07-08, 2016

Open Science Index, Mechanical and Mechatronics Engineering Vol:10, No:01, 2016 publications.waset.org/abstracts/35066/pdf