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**IMPROVED SQUEEGEE DEVICE FOR PRINTING ON BIODEGRADABLE FILM PACKAGING USING MANUAL SCREEN PRINTING PRESS**

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***Research methodology.*** *To solve the problems related to the stabilization of the manual screen printing process on the non-absorbent film materials the improved squeegee device has been suggested. The assigned tasks have been achieved by the design simplification and increased technological capabilities of the device.*

***Results.*** *It was confirmed that the following technological parameters: the squeegee angle, the squeegee movement speed and the pressure, affect on the thickness of the ink layer on prints and their reproduction and the graphic performance in accordance. The squeegee device improvement has been achieved by the new carriage drive mechanism performance, which allows performing two opposing movements separated by the pause with the squeegee-holder and squeegee for one cycle period. This improvement allows increasing the device productivity, reduction of metal consumption and simplifying its construction.*

***Novelty.*** *The main feature of the improved squeegee device is the presence of the profiled guide slide and the cam carriage drive mechanism. The use of these designs ensures the effective and uniform ink layer coating on the surface printing plate and the required ink amount transfer to the printed surface.*

***The practical significance.*** *Resulting from the use of the improved squeegee device allows stabilizing of the printing process with the manual screen printing press, ensures the stable thickness of the ink layer on the prints and also reduces the number of defective products in accordance.*