

# INFLUENCE OF THE FUNCTIONAL PARAMETERS OF THE GRAVIMETRIC DOSING MACHINE OVER THE DOSING PROCESS OF GRANULAR AGRO-FOOD MATERIALS

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**Abstract:** *In the paper are presented the basic of vibrating transporters and the kinematics of the particles in the process of transportation. Also are analyzed the influences of transport parameters (amplitude, frequency) and the characteristics of the material over the displacement regime during the transportation process. In the end part of the paper there are presented the stand used for the experimental study of the influences of the vibrations amplitude and thickness of material layer over the dosing precision for different agro-food materials.*

**Key words:** *bulk solids, dosing system, vibrating feeders, amplitude, dosing precision, experimental stand.*