

AN EXPERIMENTAL APPROACH CONCERNING THE DISCHARGE PROFILE FOR GEOMETRIC VARIABLE SCREW FEEDERS USED FOR AGRO-FOOD BULK SOLIDS

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Abstract: *Screw feeders are devices suitable for handling a wide variety of bulk solid materials that have good flow ability characteristics and are often used as dosing feeders in food industry and agriculture. The manner in which material flows into the screw affects the flow characteristics of the feeding hopper, the residence periods of the material in various locations of the bunker and thus the properties of the dosed products. The present paper will present some experimental results regarding the discharging profile of the mass flow screw feeders with variable geometrical design.*

Key words: *mass flow, screw feeders, discharging profile.*

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