

Method for improving the separation of bulk materials on screen involves moving a layer of bulk material across the screen surface, segregating it under the influence of screen vibrations, and orienting and sifting the components of the pass fraction through the openings while moving the larger components across the screen to the reject fraction. As it moves across the screen surface, the bulk material is additionally mixed, and its components from different layers throughout the entire thickness of the material are simultaneously oriented and screened into the pass fraction due to the fact that the working surface of the screen is profiled with three-dimensional protrusions having smoothed surfaces, the openings of which are oriented at different angles of inclination relative to the direction of movement of all layers of the bulk material.