

Invention relates to the branch of sorting of solid materials by size, in particular, in carbon, mining, construction and other fields of industry. The screen has a duct, N sifting surfaces, vibration insulators and vibration exciter displaced relative to the center of masses toward unloading side of material. The sifting surface or lower surfaces consisting of several sifting surfaces is located relative to the center of masses in such a manner that the ratio of the distance A_i between the center of masses and the parts of surface to the length of section B between the center of masses and the center of oscillations makes $N \cdot (0,25 \pm 0,15)$, and the angle of slope of this section to the unloading part of the sifting surface makes $\alpha = 30^\circ \pm 10^\circ$. The design of the screen increases the effectiveness of sifting of bulk materials because of favorable trajectories of oscillations of the sifting surfaces in the area of loading.