

Adjustable unbalanced vibrator consists of a drive shaft mounted in bearing supports and unbalanced weights. In addition, the adjustable unbalanced vibrator is equipped with a disc-shaped platform mounted on the end of the drive shaft, on the outer side of which two unbalanced weights in the form of sectors of worm gears are arranged diametrically opposite each other and can rotate relative to the axes fixed on the platform. A worm shaft is located between the unbalanced weights; its helical surface meshes with the teeth of the unbalanced weights, and at both ends it is connected via couplings to electric motors mounted on the platform.