

The proposed piezoelectric motor contains a movable element (e rotor or a piston) and a piezoelectric generator of longitudinal vibrations. The generator is separated from the casing of the motor by a soundproof gasket and contains a passive or active tuning-fork resonator, which actuates the movable element through friction. The resonance frequency of the tuning-fork resonator corresponds to one of the resonance frequencies of the piezoelectric generator. The tuning-fork resonator may be produced from ceramics and contains electrodes for exciting bending vibrations.