

A hydrodynamic mixer contains a housing and a cavity, in which the disks with open-end holes are mounted. In the mixer, at least, two additional mixing disks are installed, one of which is simultaneously connected with the housing of hydrodynamic transmission and the housing of mixer, and the second - with the shaft of mixer. The shaft of mixer is connected with driven shaft of hydrodynamic transmission. The invention relates to processing of polymeric materials and can be used for continuous mixing of polymeric compounds, polymers with different pigments, and highly dispersed mineral fillers in the lines for painting, granulation, obtaining and processing polymeric materials.