

Ultrasonic system for producing functional beverages contains a working chamber, two sources of acoustic vibrations, and a control unit. The working chamber is of the closed type. As sources of acoustic vibrations the system includes a medium-frequency and a high-frequency piezoelectric transducer, with a ratio of their operating frequencies ranging from 1 to 2 orders of magnitude. The acoustic vibration sources are located on opposite side surfaces of the working chamber, facing each other.