

**96-0080**

The invention relates to the mechanical engineering and can be used in the manufacturing production for manufacturing of dry, semi-dry, mortar and concrete mixtures.

The mixer contains a shaft 1 with occurring intermittently elements 2 having arc-formed bars fixed along screw line of shaft surface, a housing 3, charging and discharging windows 4 and 5. Concave bars surface 2 is orientated to the shaft rotary direction so that the cutting angle composes less than  $90^\circ$  and is constant along the all bar surface, and the back angle of the free end composes  $5^\circ \dots 10^\circ$ .

The technical result of this apparatus consists in the reduction of the bar displacement through the material, because the cutting angle is less than  $90^\circ$  and reduction of wedging possibility because the back angle of bars ends is greater than  $0^\circ$ .