

The invention relates to the field of mechanical engineering, namely to the installations for treatment by vibration smoothing with diamond of inner surfaces of cylindrical parts.

The installation for vibration smoothing with diamond of inner surfaces of cylindrical parts comprises a frame (10), a rod (1), the lower end of which is fixed onto a disc (6), which by means of spring rods (12) communicates with the coil of an electromagnet (8) with core (7), fixed inside the frame (10), in its lower part, and on the upper end of the rod (1) is made a groove (2), in which is installed a holder (3) with a regulating mechanism (15), and to the ends of the holder (3) are fixed diamond indenters (4), at the same time on the upper part of the frame (10) is fixed, with the possibility of reciprocating movement up and down and rotation around its axis, a table (14) on which are mounted a support (9) and a prism (13) for fixing the workpiece (5), actuated by a pneumatic cylinder.

Claims: 1

Fig.: 2

