

The invention relates to the field of mechanical engineering, namely to installations for surface treatment by plastic deformation and vibration smoothing by diamond of internal surfaces of cylindrical parts.

The installation for vibration smoothing by diamond of internal surfaces of cylindrical parts includes a body (10) with a cartridge (1) for fixing the part (2), a holder (3) made in the form of a cylinder, at one end of which along its longitudinal axis is made a hole, in which is placed a screw (8) with the possibility of adjusting the tools (9) with diamonds (7), placed in the holes made on the holder (3), perpendicular to its longitudinal axis. At the same time, the holder (3) is placed with the possibility of back-and-forth displacement along guides (13), by means of an electromagnet (4), a spring (6) and a core (12), fixed to the other end of the holder (3), and the guides (13), the electromagnet (4) and the core (12) are installed on a mobile support (5), placed on guides (11).

Claims: 1

Fig.: 2

