

MD.16.**Title**

Device for vibration smoothing by diamond of outer surfaces of cylindrical parts

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Description
EN

The invention relates to the field of mechanical engineering, namely to devices for vibration smoothing by diamond of outer surfaces of cylindrical parts.

The device, according to the invention, comprises a frame (3), made of two vertical walls, on the inner surface of which are fixed guides (2) for the parts (1) and a hollow cylindrical retainer (7), on which are placed at least two toolholders (4), in which is fixed one smoother (5) with diamond (6). In the frame (3) are placed a clamping plate (19) for the part (1), controlled by a screw (20) with a spring (18), and a drive (17) with a drive roller (16). The toolholders (4) are placed with the possibility of reciprocating movement around and along the vertical axis of the vibration smoothing device by means of an electromagnet (12) with spring-loaded rods (11), a core (10) and a disk (9), on which is vertically fixed the retainer (7), in the lower part of which is made an opening for withdrawal of worked piece (14) into a container (13).

Class no.

2. Industrial and laboratory equipments.

