

The invention relates to the field of mechanical engineering, namely to devices for surface treatment by plastic deformation, namely by diamond vibration smoothing of the surface layer of the cylindrical outer surfaces of the complex parts.

The device for diamond vibration smoothing of cylindrical outer surfaces of the complex parts includes a body (1) with a chuck (2) for securing a tool block (3), on the opposite end of which from the outside are movably fixed by means of pivot pins (16) levers (5), at one end of which are fixed weights (4), and at the opposite one – diamond smoothers (6). On a slide (13) is fixed a winding of an electromagnet (10), in which is placed a rod (9), at one end of which is fixed a core (12) with spring (11), and at the opposite end is installed a pin (8) for securing the workpiece (7).

Claims: 1

Fig.: 1

