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The invention relates to foundry, in particular to devices and processes for working of casting molds.
The device for working of casting molds with powdered lubricant comprises a body (1) with a worktable (2) and a flap (3), under which, on a frame (11) by means of springs (12) are mounted brushes (6), (6′). In the body (1) is set a main electric motor (4), coupled with a mechanism (5) for movement of brushes (6), (6′) and a mechanism (7) for rotation of disks (8), (8′), on which are placed the workable casting molds with the open cavity upwards; a suction fan (9) with a storage capacity (10), located in the body (1) under the worktable (2); installed on bearings (14), (15), a crankshaft (13), on which are fixed the brushes (6) and (6′), and connected to the mechanism (5) for movement of brushes through split half-couplings (16), (17); a vibration mechanism for feeding the powdered lubricant on the inner surface of molds, containing an additional electric motor (18) with disbalance and a pull rod (19) connected to capacities (20), (21) with powdered lubricant, placed above the disks (8), (8′), and also comprises a control unit of the operating cycle of the mold working device.
In the process for working of casting molds with powdered lubricant is carried out dusting of casting molds in a closed space of the mold working device with simultaneous lapping with moving brushes of the inner surface of the workable molds with lubricant, at the same time are rotated the casting molds; it is carried out the metered flow of the lubricant, it is carried out the collection of lubricant surplus, and the operating cycle, which includes the lapping of casting molds with lubricant and its feed, is automatized.

Claims: 2
Fig.: 4