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PRESS

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Abstract (en)
[origin: WO2013056807A1] The invention relates to a press for producing a pellet out of powdered material, and comprising: a press frame that has an upper and a lower retainer plate interconnected by a plurality of vertical spacers, and that has at least one support element arranged between said upper and lower retainer plates; at least one upper ram unit comprising at least one upper press ram, and/or at least one lower ram unit comprising at least one lower press ram; and at least one receiving portion for powdered material to be pressed by said upper and/or lower press ram; and also at least one upper drive unit which comprises at least one upper drive motor for displacing the upper ram unit in a vertical direction, and/or at least one lower drive unit which comprises at least one lower drive motor for displacing the lower ram unit, and/or the receiving portion, in a vertical direction. During operation, said upper drive unit and/or lower drive unit is/are supported on the support element such that the reaction forces which are generated from the pressing forces produced as the powdered material is pressed in the at least one receiving portion, as action forces, are introduced into said support element, said upper drive motor and/or lower drive motor being arranged on the press frame in such a manner that when the upper ram unit and/or lower ram unit and/or receiving portion move(s) vertically, the upper drive motor and/or the lower drive motor will not also be moved in the vertical direction alongside.

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