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PRESS

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Application
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Abstract (en)
[origin: WO03091012A1] The press is used in the production of friction linings for brake or clutch linings and comprises at least one press station which is provided with a press mould (15, 16, 18) and a pressure ram (19) co-operating therewith. Spindle drives (4, 10) are used for generating relative movements and clamping and closing forces between the mould and the pressure ram, said drives comprising respectively a spindle (5, 12) and an auxiliary spindle nut (7, 13). The relative rotation thereof is driven by an auxiliary electric motor (6, 11), whereby power transmitting rolling bodies embodied in the form of threaded rollers or spherical-shaped elements are respectively arranged between the spindle and the spindle nut. A low-friction area, which can be controlled in a highly accurate path and force dependent manner, is obtained in order to provide a wide distribution of force and ensure dimensional accuracy of the friction linings in addition to an exact adjustment of porosity and compressibility.

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