

ABSTRACT

A Mould Cavity Device To Reduce Residual Moisture of Pulp-moulded Products During Compression

The present invention involves a mould device with cavity which reduces the residual moisture of pulp-moulded products during compression and consists of an upper mould piece (2) with air inlets (10) and a lower mould piece (4) with air outlets (11). The special feature of the device is a layer of porous material (7) attached at the base of the upper mould piece (2) and at the top of the lower mould piece (4). The said lower mould piece has air inlets and air outlets. The air inlets (10) are connected to the atmospheric air or compressed air while the air outlets (11) are connected to a vacuum device. The upper mould piece may have or may not have holes while the lower mould has a layer of porous material. The advantage of the present invention is to reduce the residual moisture of pulp-moulded products during compression, thereby saving heating energy during hot pressing.

Fig: 1