

ABSTRACT

INJECTION MOLDING MACHINES

A mold support assembly for use in an injection molding machine comprises a first support structure (Q) provided at a main face thereof with means (16) for receiving, at respective different predetermined locations, a plurality of removable mold devices (17) formed with respective molding surface portions which, when the assembly is in use, face away from the said first support structure (Q) towards a second support structure (P) of the assembly, one (Q) of the first and second supporting structures being movable towards the other to bring about closure of respective mold cavities (17a) bounded by the said molding surface portions.

Each mold device (17) includes a slave eject mechanism (17c, 17d, 17e) having a movable actuating member (17d) which can be caused, by selective actuation of a master eject mechanism (19c, 19d, 19e) of the assembly, to move so that an eject portion (17e) connected thereto projects through the molding surface portion of the mold device (17) to displace therefrom a molded product.

In such an arrangement, the ejecting position at which the eject portion contacts the molded product can be selected freely in accordance with the kind of product being molded. Fig. 1