

ABSTRACT**MECHANISM FOR MOVING A SCREW ROD RELATIVE TO MOLDS FOR
MANUFACTURING PRODUCTS HAVING SCREW HOLES**

A plastic injection molding machine includes a rod (50) engaged with a slide member (40) located beside the lower mold (12), and a position block (20) connected to the upper mold (11). A pin (30) is movably inserted in two respective inclined holes (21, 41) in the position block and the slide member so that the threaded section (51) on the tip end of the rod is moved into the cavity together with the movement of the slide member. The rod is located between two side members each have a threaded semi-circular recess (81). Another threaded section (52) having the same pitch as the thread section on the tip end of the rod is engaged with the two threaded semi-circular recesses so that the rod is rotatably withdrawn from the cavity smoothly when the rod is rotated by a motor (60).

Fig. 1