

ABSTRACT

A drive apparatus for an injection molding machine comprises a drive means, a rotation transmission shaft, a screw shaft, a nut and a driven member. The rotation transmission shaft is connected to the drive means and rotated by the drive means. The screw shaft is rectilinearly movably disposed, surrounds the rotation transmission shaft, and engages with an outer cylindrical surface of the rotation transmission shaft on an inner cylindrical surface of the screw shaft. The nut is threadably engaged with the screw shaft. The driven member is disposed on the screw shaft. In this apparatus, the rotation generated by the drive means is transmitted to the screw shaft and the screw shaft is advanced and retracted not to rotate the nut. Therefore, the inertia of the drive apparatus becomes small and the response of mold opening/closing becomes rapid when the drive mean is driven.

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