

BLOW-FILL-SEAL INTEGRATED MACHINE

Abstract

A blow-fill-seal integrated machine, comprising a base frame (1), wherein the base frame (1) is provided with an extrusion screw (2) and an extrusion die head (3) detachably connected to the extrusion screw (2), the extrusion die head (3) comprises a first extrusion die head (31) and a second extrusion die head (32), both the first extrusion die head (31) and the second extrusion die head (32) are of a translatable structure so as to be respectively connected to the extrusion screw (2), and the base frame (1) is provided with a guide structure for guiding translation of the first extrusion die head (31) and the second extrusion die head (32). When bottles with a first center distance are produced, the first extrusion die head (31) is connected to the extrusion screw (2); and when bottles with a second center distance need to be produced, the first extrusion die head (31) is first disconnected from the extrusion screw (2), then the first extrusion die head (31) is translated to separate from the extrusion screw (2), and the second extrusion die head (32) is translated into position and connected to the extrusion screw (2). The guide structure may provide guidance for the translation of the first extrusion die head (31) and the second extrusion die head (32), which ensures a stable and smooth translation process and prevents deviation, thereby enabling rapid center distance change and reducing the risk of compromising the sealing performance and aseptic property of the machine during disassembly and replacement.

Fig 1.