

ABSTRACT

BIAXIAL STRETCH-MOLDING APPARATUS

A biaxial stretch-molding apparatus (1) is constituted to carry preform carrier pallets (7) along a closed-loop shaped carrying line (6), whereby supplying, heating, biaxial stretch-molding and recovery of preforms are performed successively. The carrying line (6) is a three-dimensional one wherein a second carrying-line passage (64) for returning empty preforms after a molding is removed toward a preform supplying section (2) is arranged one-step lower than a first carrying-line passage (62) along which heating and biaxial stretch-molding are carried out. The second carrying-line passage (64) may be straight by passing it under a blow-mold closing mechanism (41) of a biaxial stretch-molding section (4). Whereby, the whole length of the carrying line can be decreased, downsizing and compactness of the apparatus can be realized, and at the same time process efficiency can be improved.

FIGURE 1