

ABSTRACT

A 1.5-stage injection stretch blow molding device effectively utilizes the advantages of a 1-stage method and a 2-stage method, and reduces the difference in molding temperature between n blow molding operations when subjecting N preforms simultaneously produced by injection molding to blow molding in n operations in which M ($M=N/n$) preforms are separately subjected to blow molding. The injection stretch blow molding device includes an injection molding section (10) that produces N (N is an integer equal to or larger 2) preforms by injection molding, a cooling section (20) that subjects the N preforms transferred from the injection molding section to forced cooling, a heating section (30) that continuously transfers and heats the N cooled preforms, and a blow molding section (40) that subjects the N heated preforms to stretch blow molding in n (n is an integer equal to or larger than 2) operations, the blow molding section simultaneously stretch blow molding M ($M=N/n$, M is a natural number) preforms among the N preforms into M containers.