

Title: Injection stretch blow molding machine

ABSTRACT

A two station machine (26) forms a parison from a plastic resin and then stretch blowing into a hollow-molded product. The machine has a preform station (3) for forming a parison (57) and blow mold station (32) for stretching and inflating the parison into the hollow molded object and then ejecting the hollow-molded product from the machine. The preform station and the blow mold station are disposed at diametrically opposite locations on a circumference of a circle. A transfer portion (34) has a transfer head (74) rotatable about an axis extending through the center the circle and having pair of identical transfer stations (108, 110) located at diametrically opposite locations with respect to the axis. An indexer (94) rotated the transfer head between two aligned positions in which one of the transfer stations is in registry with the preform station and the other transfer station is in registry with the blow mold station. Each transfer station has at least one parison engaging and retaining neck mold (112) for engaging the parison formed at the preform station and retaining the parison for transfer from the preform station to the blow mold station upon rotation of the transfer portion from one to other of the two positions.

Figure 1