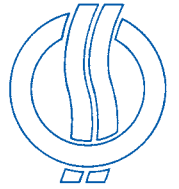


OSSBERGER



PRESSBLOWER
Injection Blow Moulders



PRESSBLOWER DUO 35
PRESSBLOWER DUO 55



Philosophy

Precision Flexibility Versatility Quality



Every plastics processor recognizes that nowadays these are the endusers' demands that have to be taken as granted. Within shortest lead times the ordered parts have to be produced at highest quality levels. At the same time he should identify how he can contribute to guarantee the competitiveness of the final product by choosing intelligent systems and by keeping production costs low. Of course, the production process is one of the most important features for fulfilling all these demands.

plastic
collapsible
tubes



The PRESSBLOWER Injection Blow Moulders DUO 35 and DUO 55 represent a machine line which is proven as an outstanding solution for the production of a plurality of precision articles like:

At the same time the PRESSBLOWER Injection Blow Moulding Process turned out to be a highly flexible alternative due to short mould change-over times allowing the production of completely different products without loss of time.

- dust covers and bellows, e.g. for shock absorber systems in the automotive industry
- plastic collapsible tubes for the cosmetics and the pharmaceutical industry
- bottles, e.g. for deodorants with precise ball holders
- ampoules

dust covers and bellows





The PRESSBLOWER Process

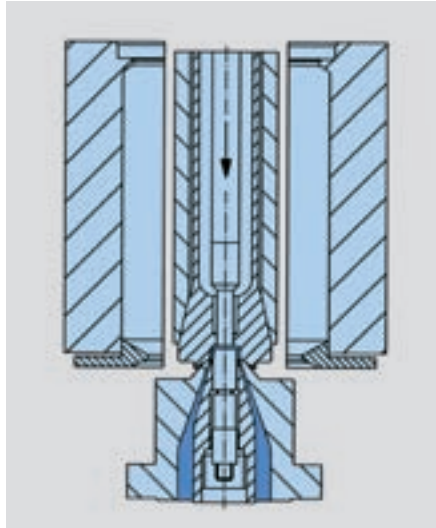
In the beginning of each production cycle an injection mould for making the head section of the future part moves down onto an annular nozzle to create a cavity which is tightened hermetically. In the first step the cavity will be filled with a defined quantity of plastic melt representing the ready-made head section. Thus an important advantage of the PRESSBLOWER process, i.e. injection moulding of the head section, is carried out.

While the injection mould moves upwards in the second step a defined quantity of plastic melt conforming to the drawing speed will be extruded through the ring nozzle. Held by the injection mould at the one end and by the centered ring nozzle at the other a tubular parison of accurate wall thickness is made.

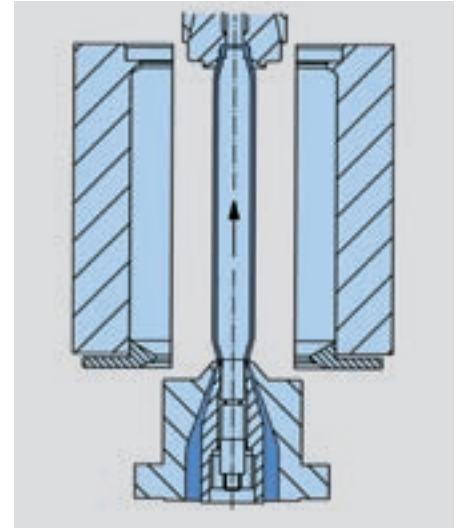
After drawing the parison the blow mould closes around the parison to seal against the injection mould and the nozzle. Then the parison will be blown up (third step).

After an adjustable cooling time the injection mould and the blow mould open, a gripper takes the product off the nozzle to convey it to the cutting device.

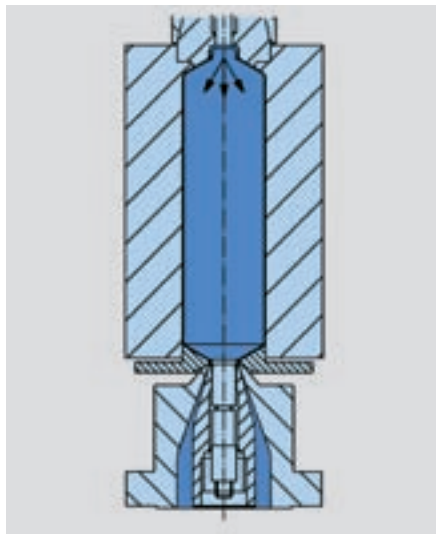
In the fourth step the cutting device trims the part to its final length.



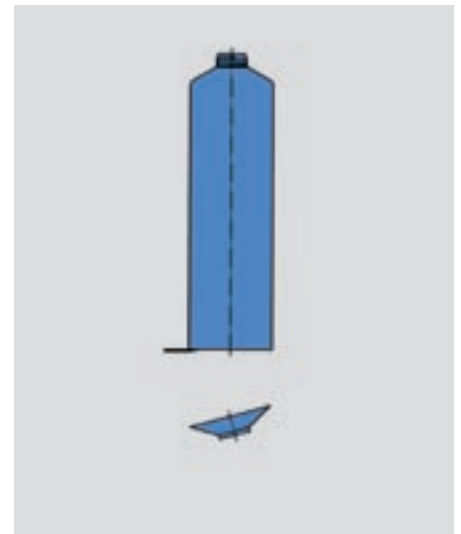
1st step: Injection mould meets nozzle for injection moulding of head section



2nd step: Closed loop controlled drawing of parison



3rd step: Blowing of parison



4th step: Cutting to final length



PRESSBLOWER Injection Blow Moulder

DUO 35

The PRESSBLOWER Injection Blow Moulder DUO 35 is outstanding for its high versatility. Its applications target a variety of market fields:

- bellows and dust covers for shock absorbers in the automotive industry
- plastic collapsible tubes for the cosmetics and the pharmaceutical industry
- ampoules for pharmaceutical purposes
- articles with very thin body wall
- bottles, particularly roll-on bottles for deodorants

The product sizes range from

Injection moulded section:

Diameter A min. = 7 mm
max. = 40 mm

Head height B min. = 2 mm
max. = 75 mm

Blow moulded section:

Diameter D

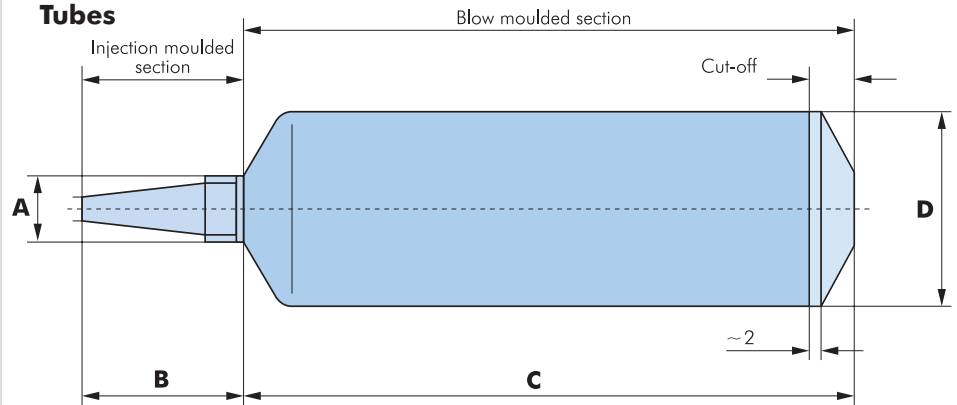
- for tubes min. = $A + 5$ mm

- for bottles min. = $\frac{A \cdot \pi}{2}$
max. = 90 mm

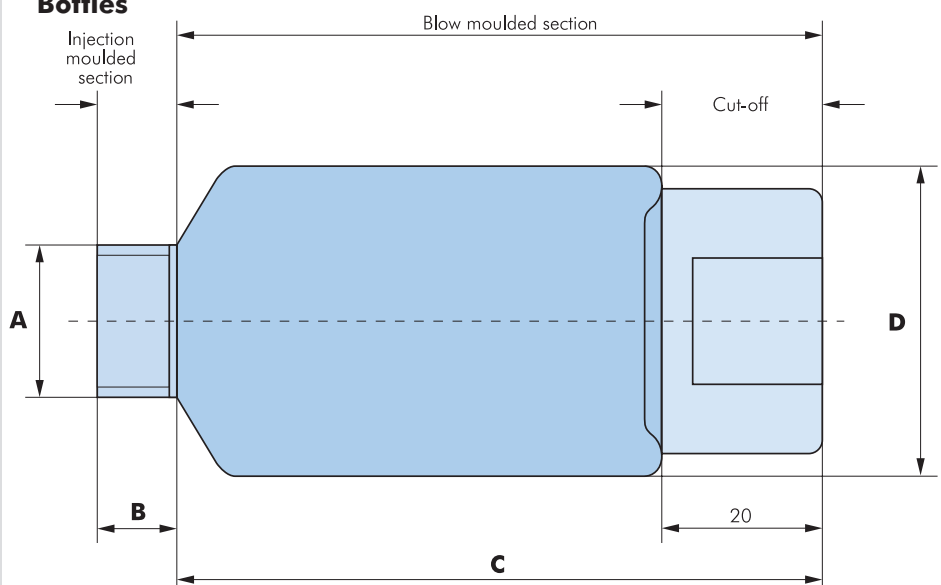
Length C min. = 50 mm

max. = 350 mm - B

Tubes



Bottles



The maximum cut-off diameter will be 65 mm if the centrifugal function of the cutting device is used.

Products like plastic collapsible tubes which are open in the bottom area will be cut to final length. Parts being closed in the bottom area (e.g. bottles) will be automatically deflashed.

Product weight:

The maximum product weight can be about 35 grs.



PRESSBLOWER Injection Blow Moulder

DUO 55



bottles

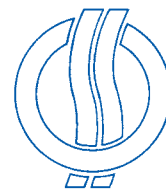
pharmaceutical products

The PRESSBLOWER Injection Blow Moulder DUO 55 is based on the machine concept of the PRESSBLOWER DUO 35. Therefore the mould travels and the possible product sizes are identical on both machine models.

Due to its capability to produce heavier parts of up to 55 grs the PRESSBLOWER DUO 55 is much more targeting the automotive industry.



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Reserve to changes
