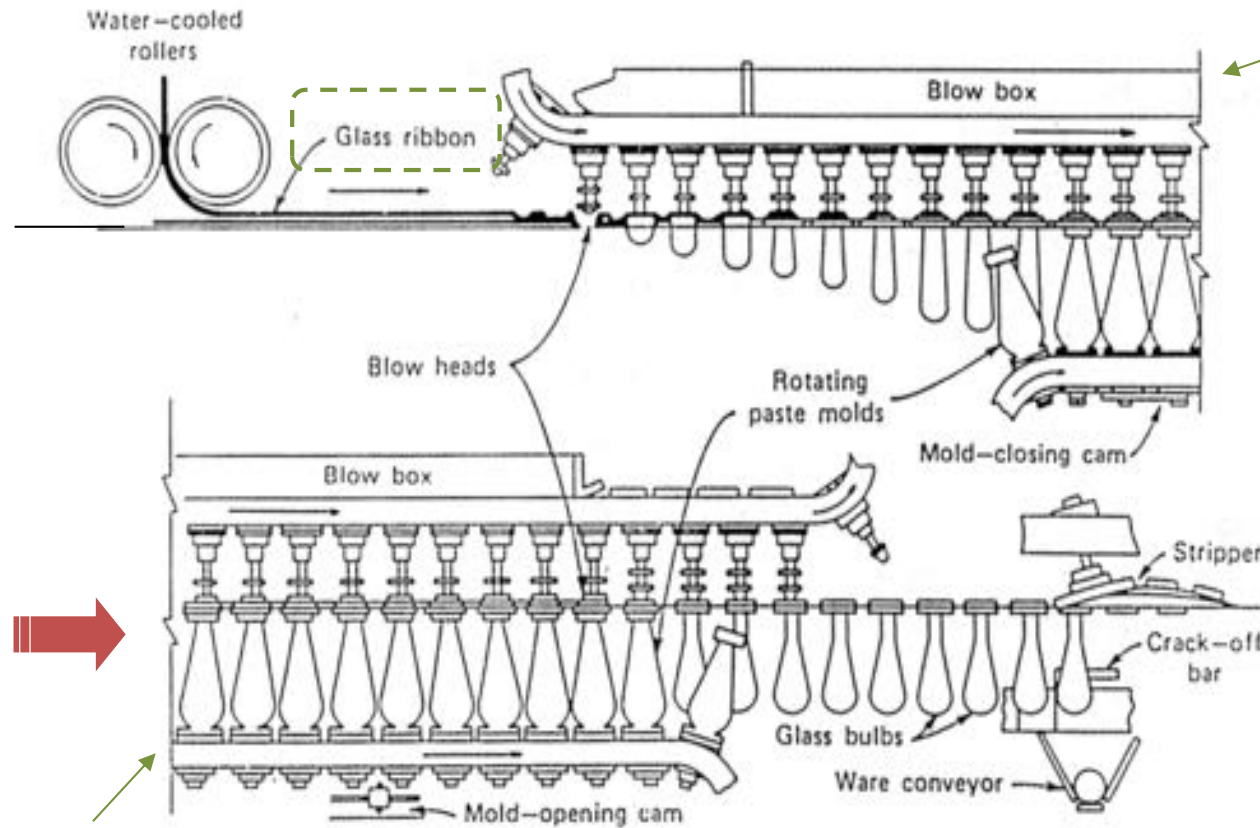


## Production of hollow glass

Fundamentals of inorganic glasses, A.K. Varshneya, The society of glass technology, 2006 – Ch. 20

### Ribbon process

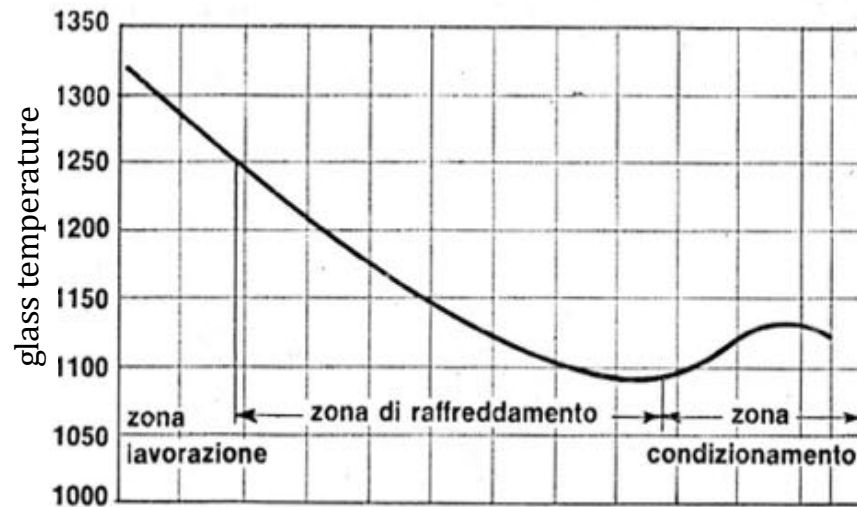
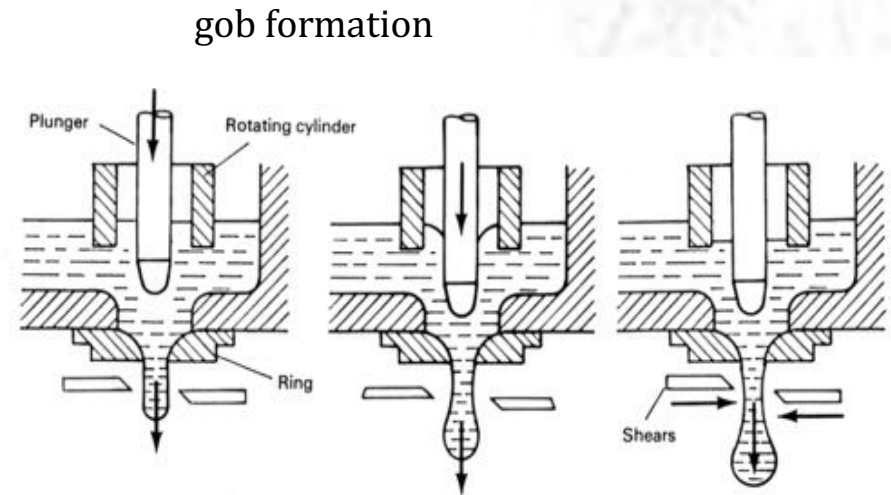
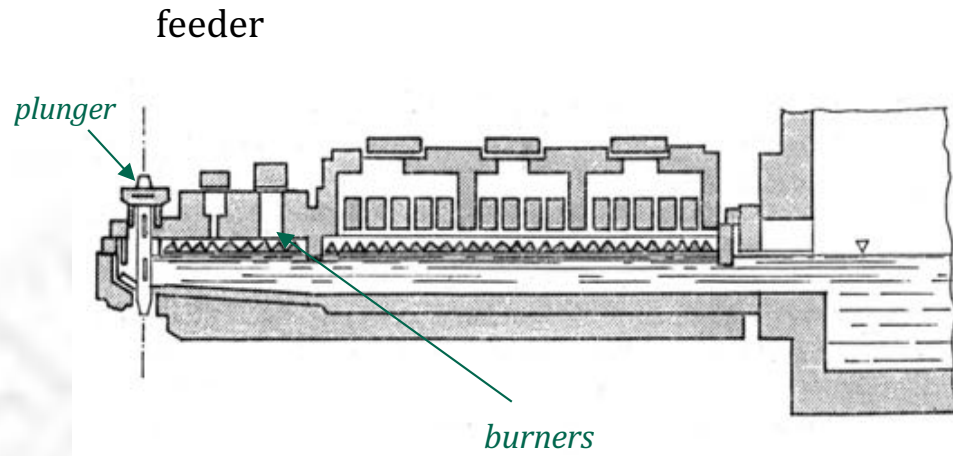


blowing ribbon

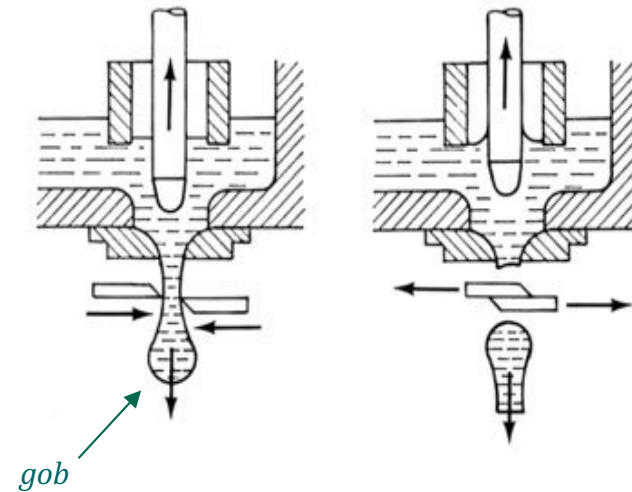
moulds ribbon

light bulbs envelopes

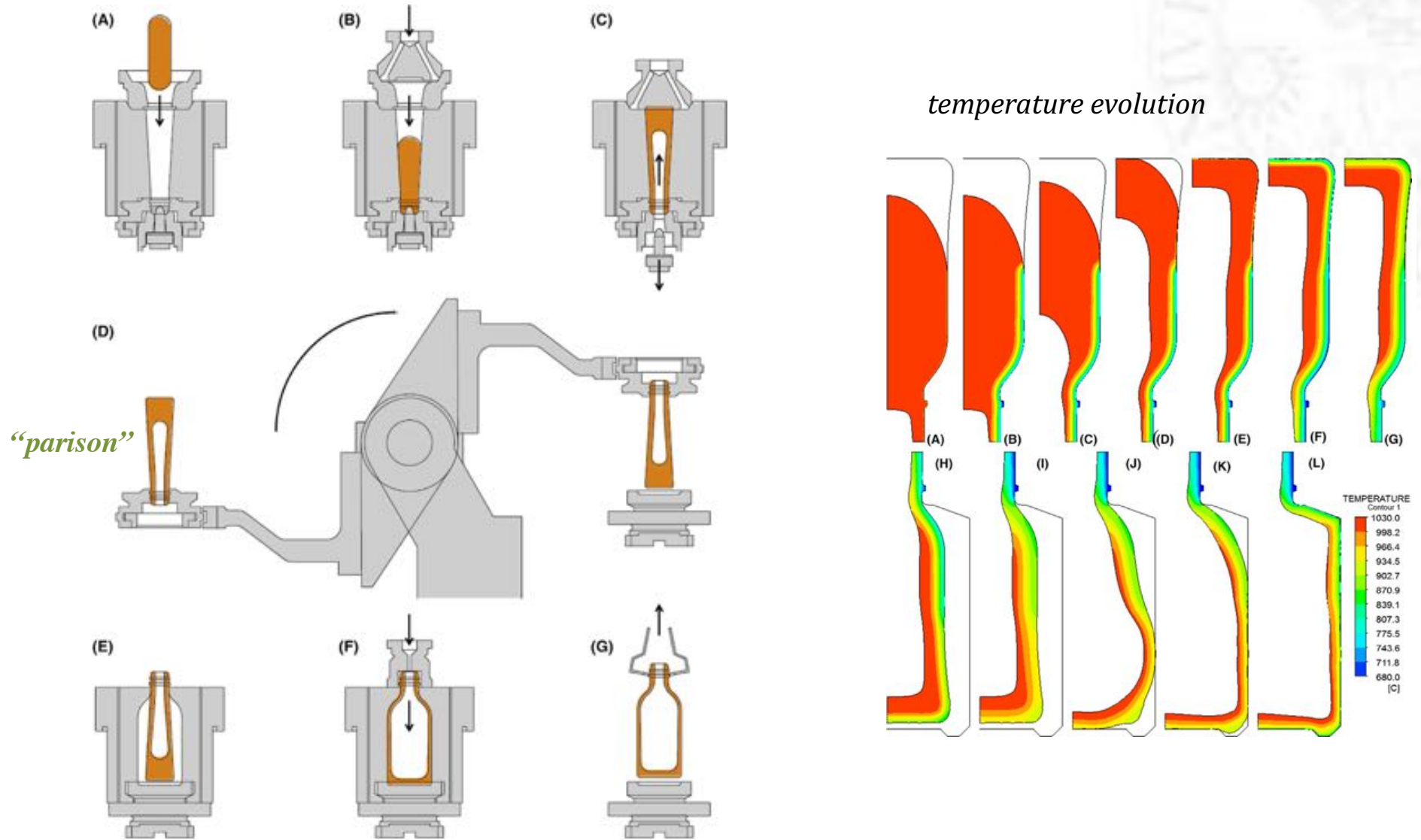
# Gob feeder process



working zone      cooling zone      conditioning zone



## Blow & blow (BB) process



**FIGURE 1** Container forming IS machine stages of the blow and blow forming process: (A) gob loading, (B) settle blow, (C) counter blow, (D) inversion, (E) reheat and stretch, (F) final blow, and (G) take out



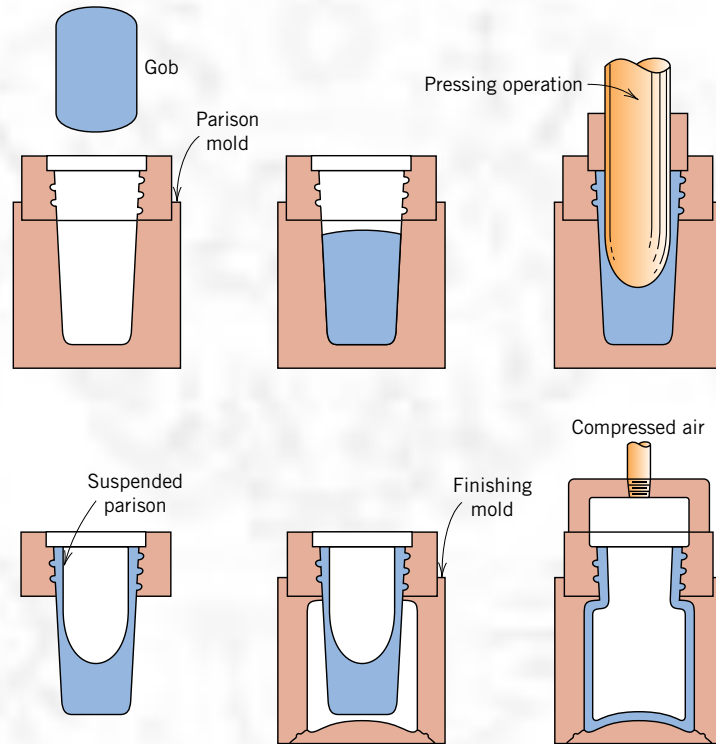
*“mouth” blowing*



*“parison”*



## Press & blow (PB) process



“parison”

### *moulds*

Ni-Cr & W steel,  
Ni-Cr or Ni-Cu alloys

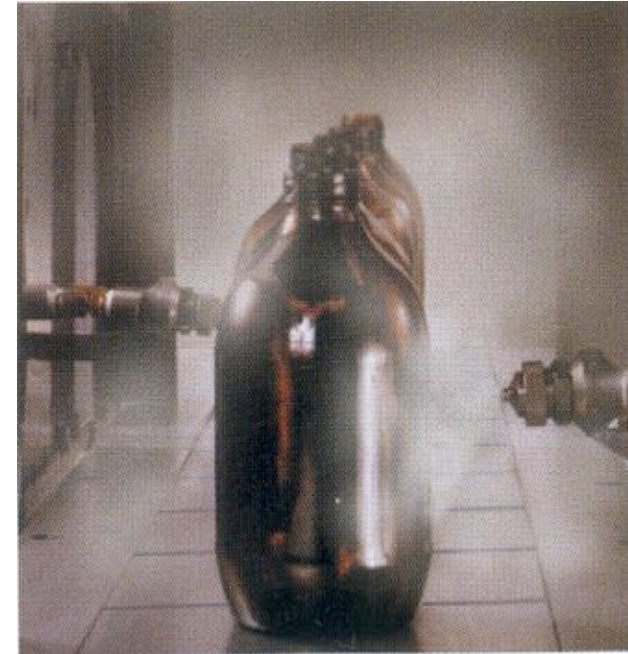


## *Surface treatments of containers*

### 1. Hot end coating



*“anti-scratch” surface coating*



### 2. Cold end coating

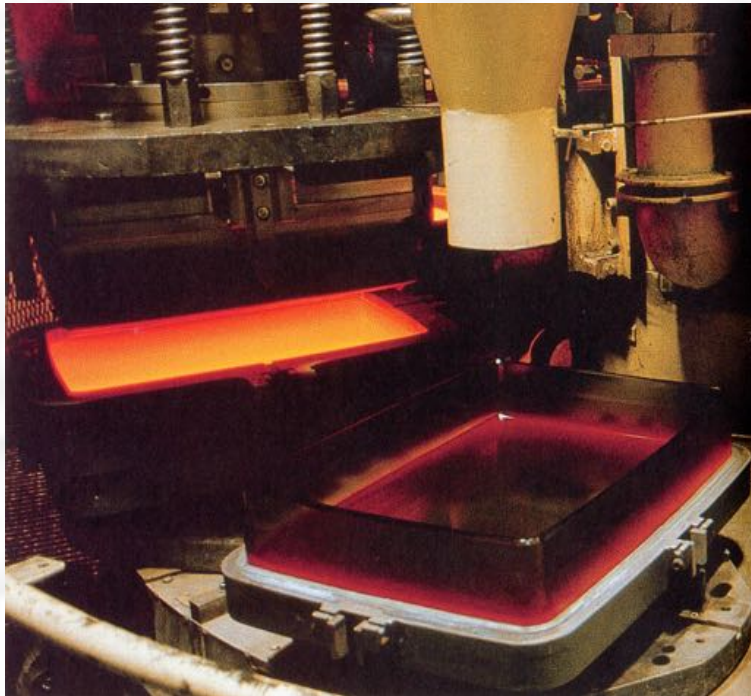
*surface coating with waxes or silicone oil*

*“lubrication” effect*

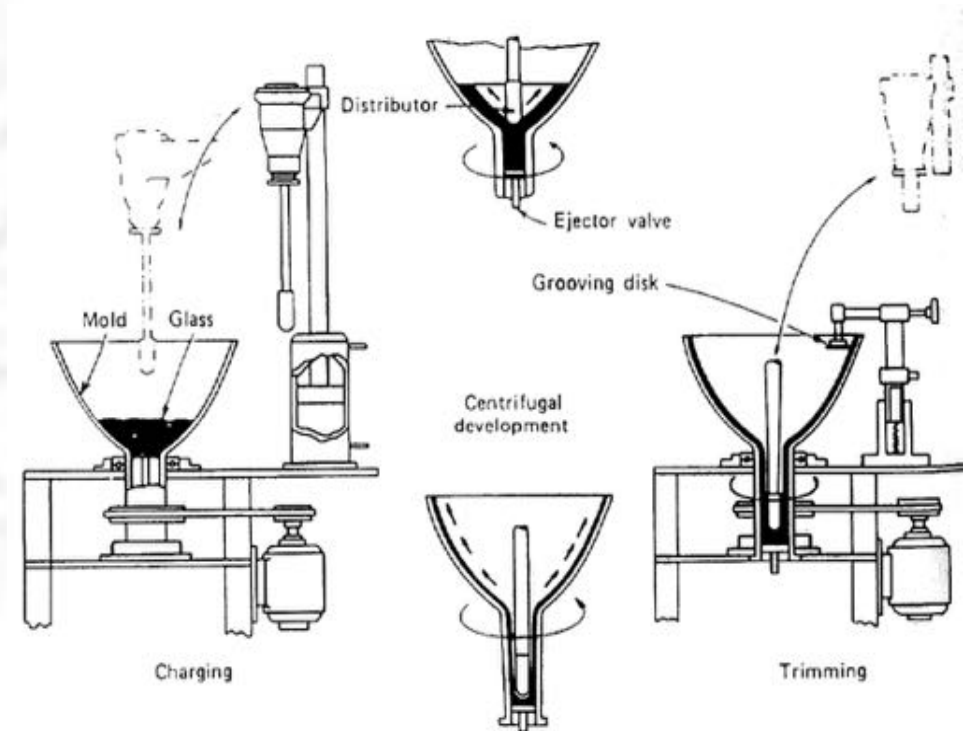
V.M. Sglavo – 2020



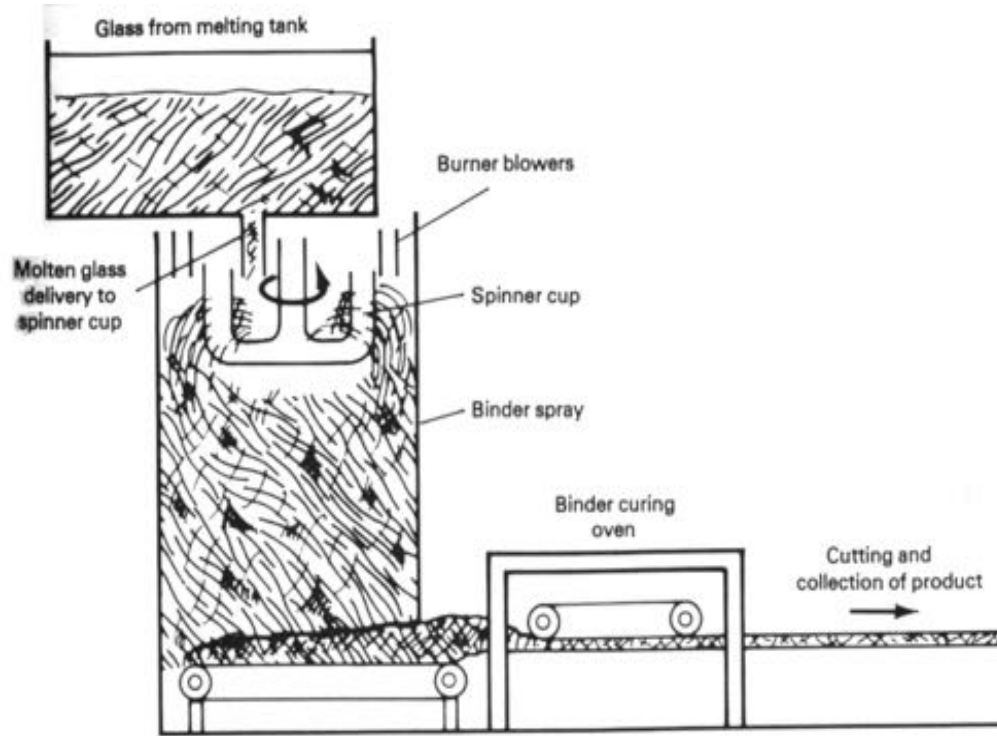
## Press-casting



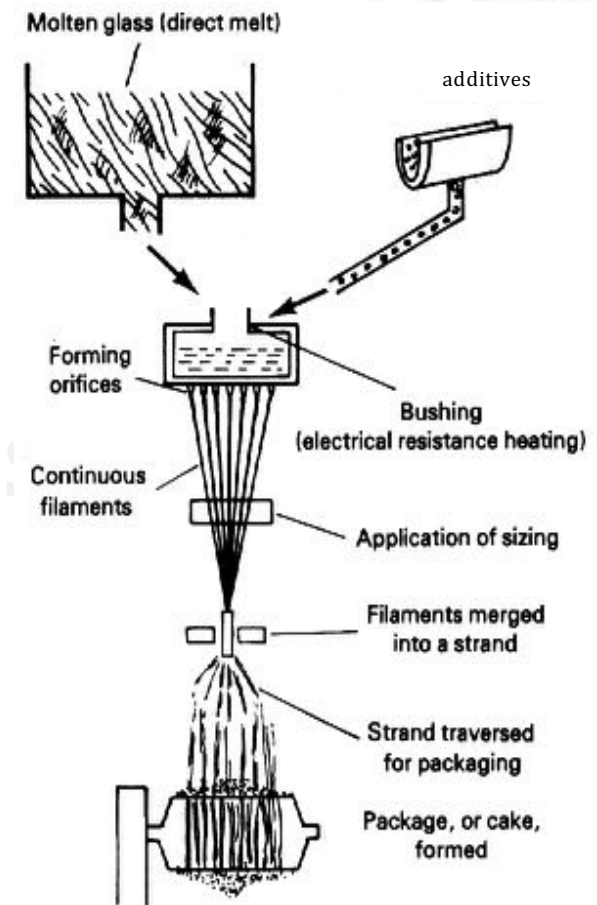
## Centrifugal casting



## Production of fibers



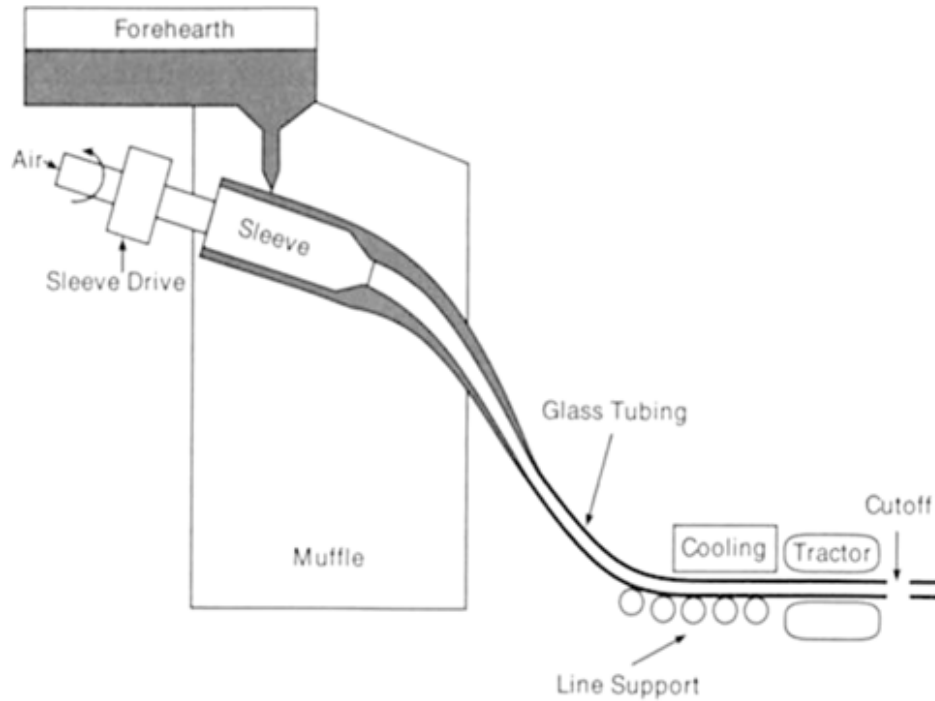
fibres per textiles or reinforcement



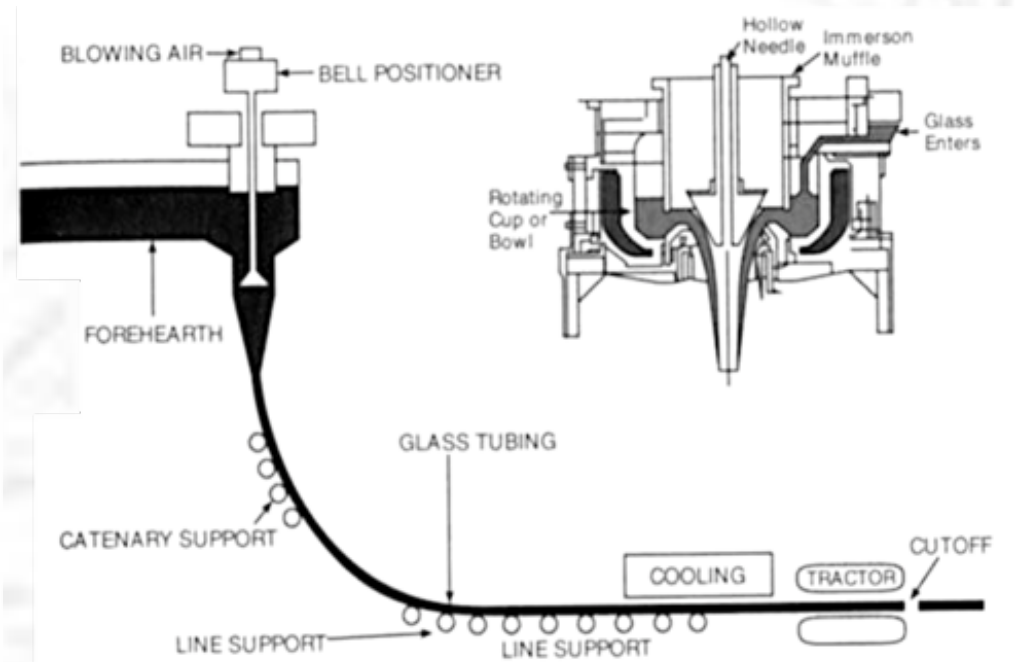


## *Production of tubes or rods*

Danner process



Vello process



# Movies

[float glass](#)

[how glass is made](#)

[glass bottle](#)

V.M. Sglavo – 2020

