

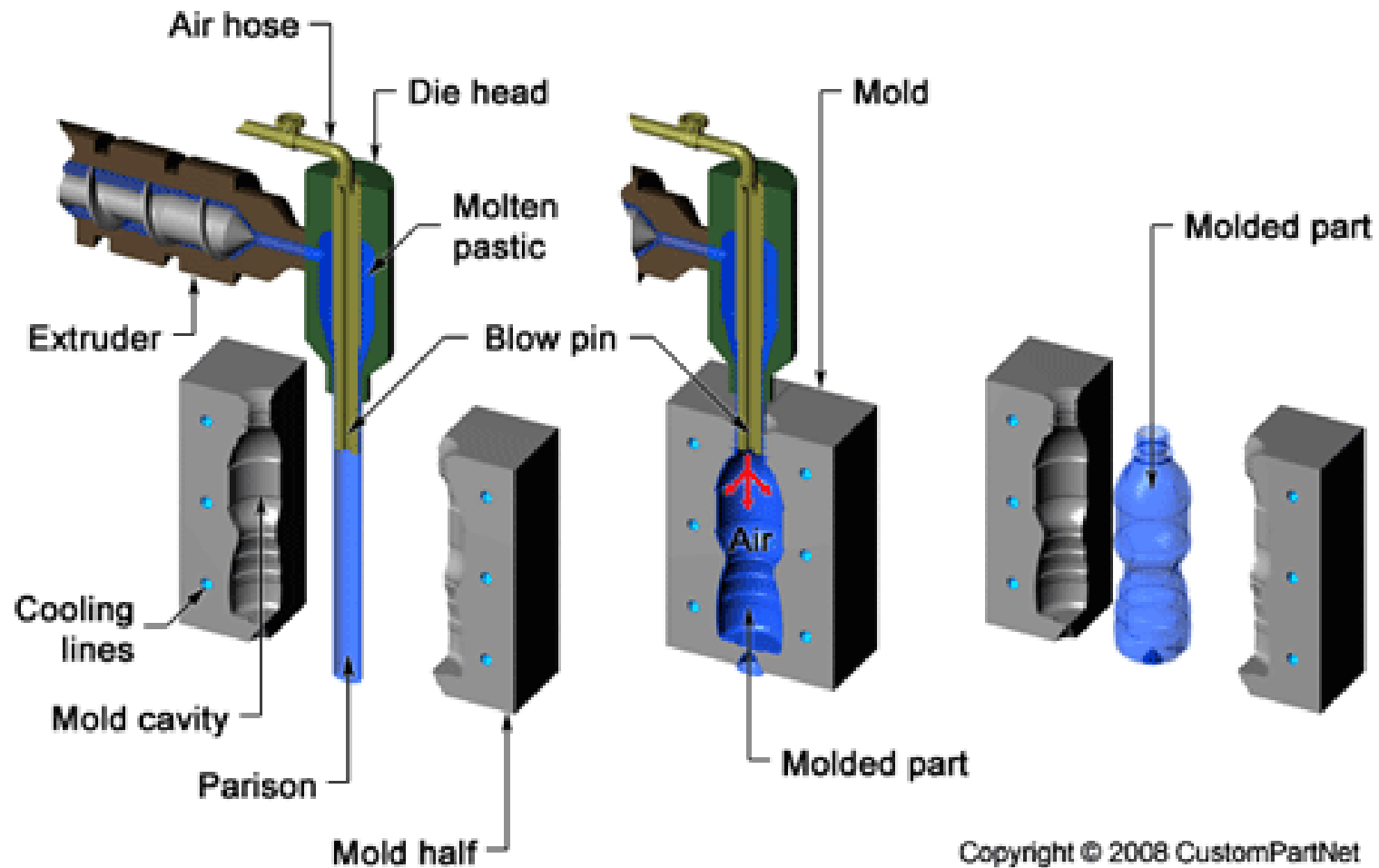
Polymer processing

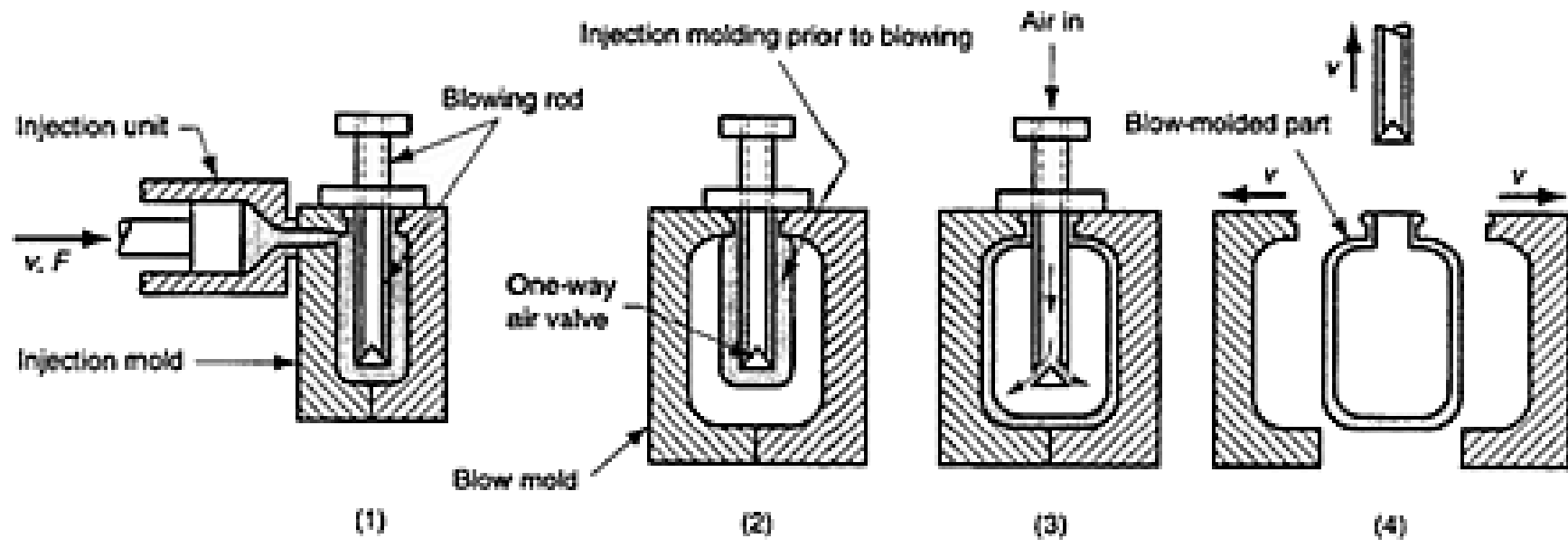
Blow molding

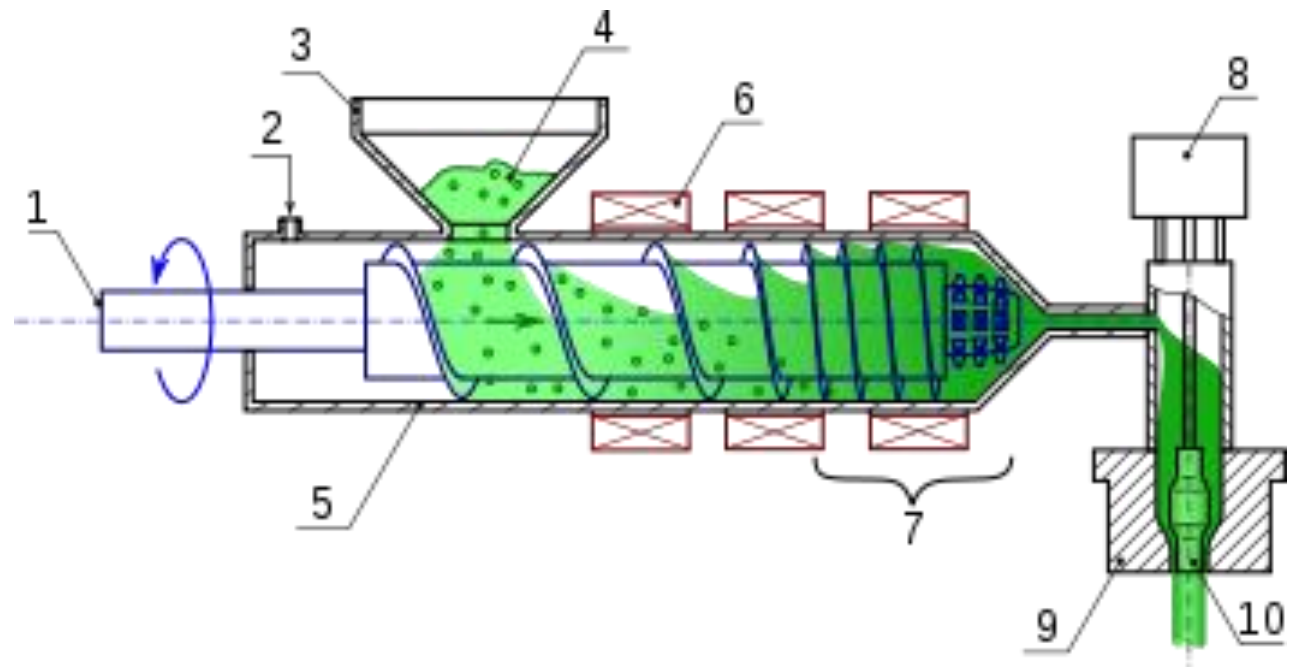
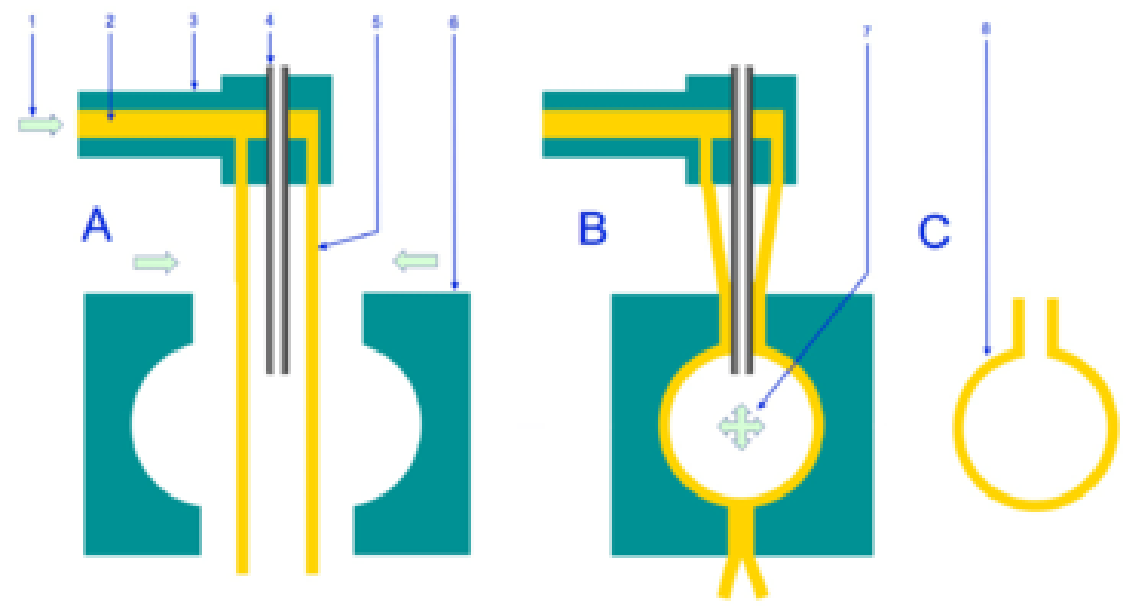
Parison Extrusion
(Cross-section)

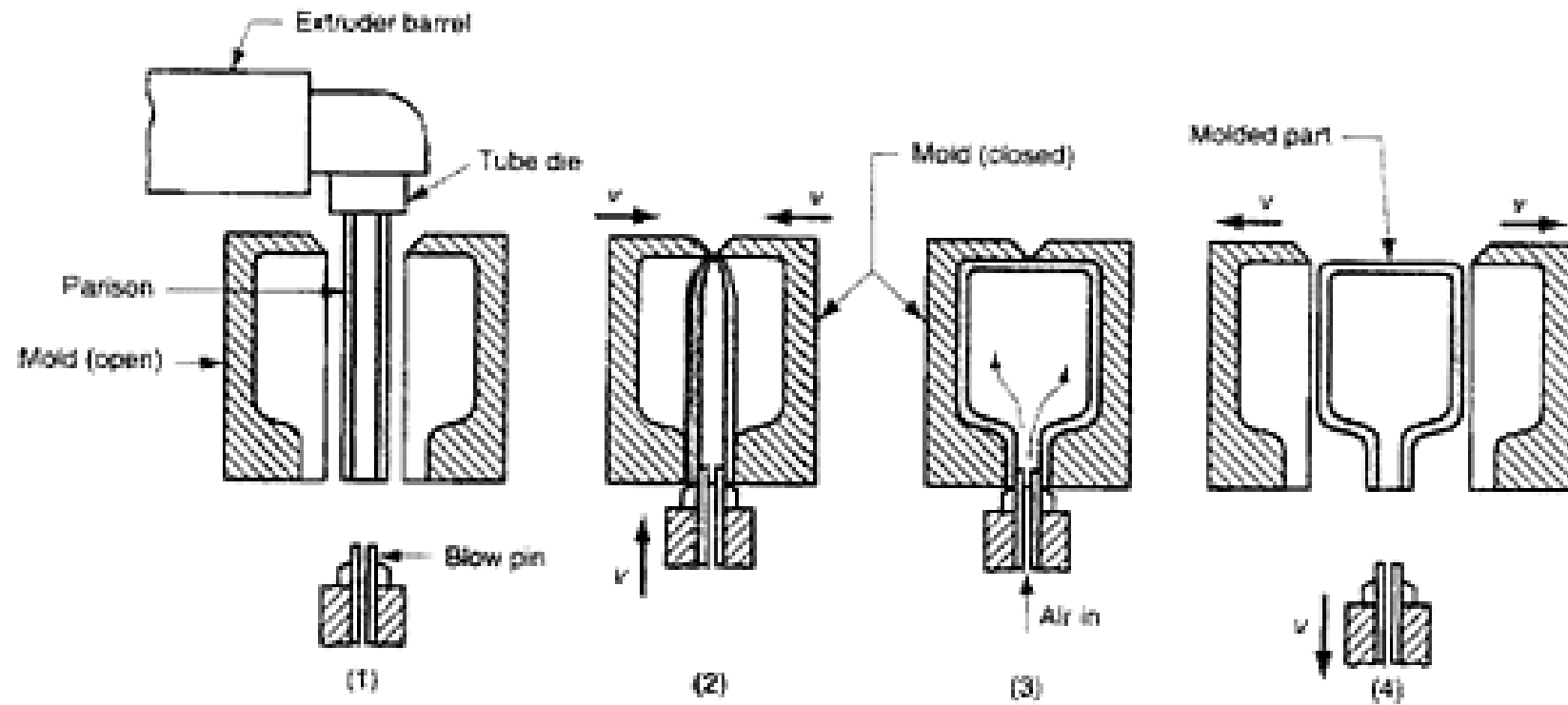
Blow Molding
(Cross-section)

Part Formed

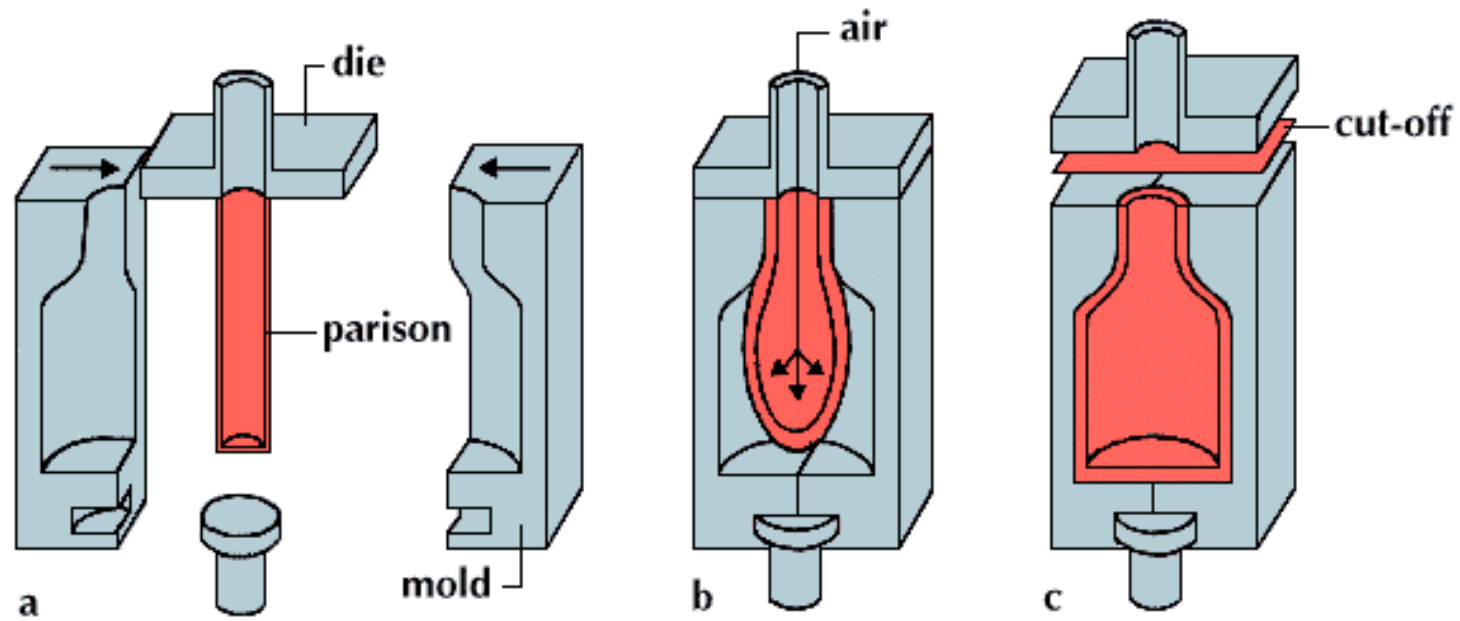








Extrusion Blow Molding (cutaway view)



Extrusion

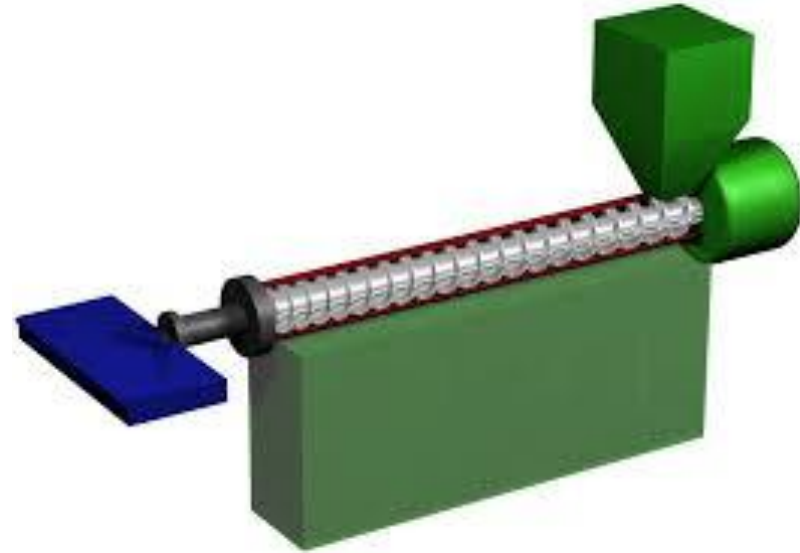
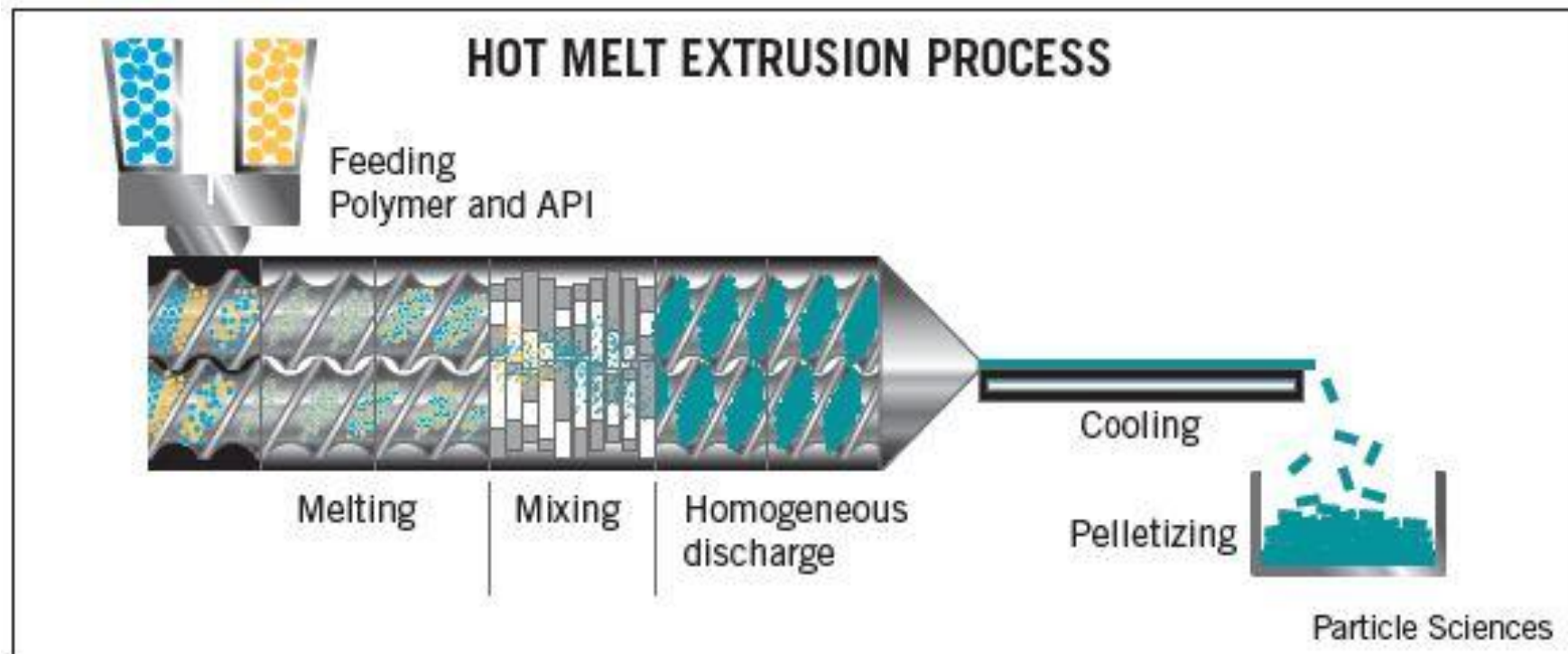
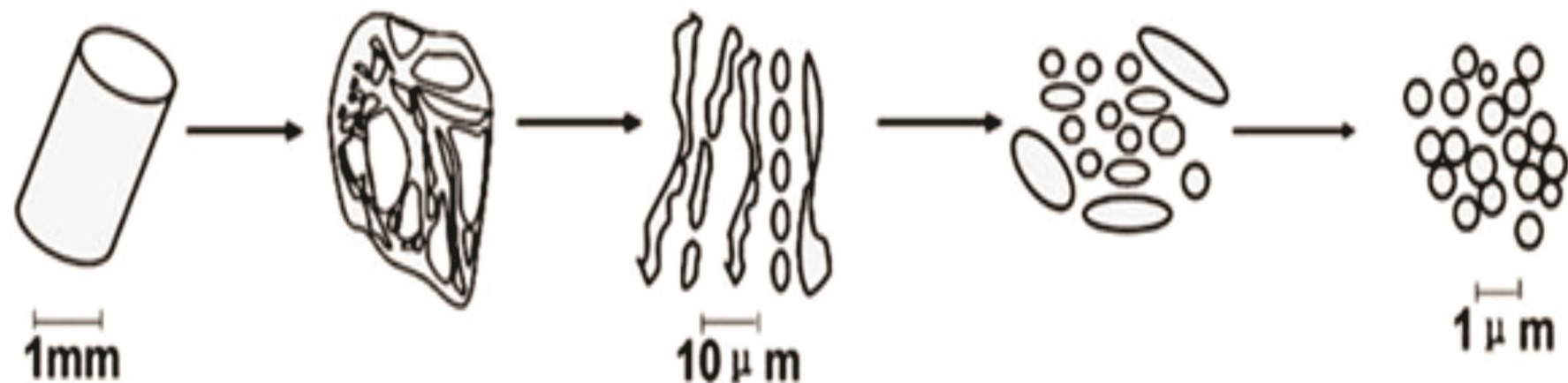


Figure 1



Stretch Relaxation Stretch Relaxation Breakup vs. Coalescence













Polymer processing ?

There are a variety of different processing methods used to convert resins into finished products.

THERMOPLASTICS

Extrusion

Injection moulding

Blow Moulding

Rotational Molding

THERMOSET

1. Resin Transfer Moulding

2. Pultrusion

3. SMC / DMC Moulding

4. Compression Moulding

5. GRP Moulding

6. RIM

7. Foam Production

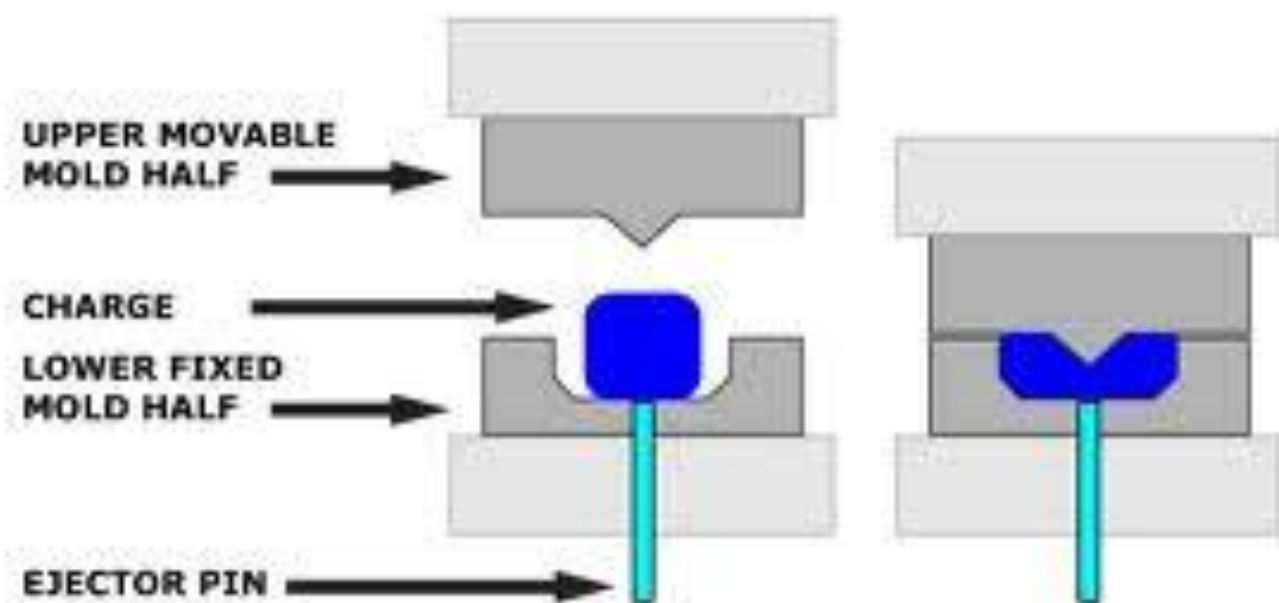
Rotational molding



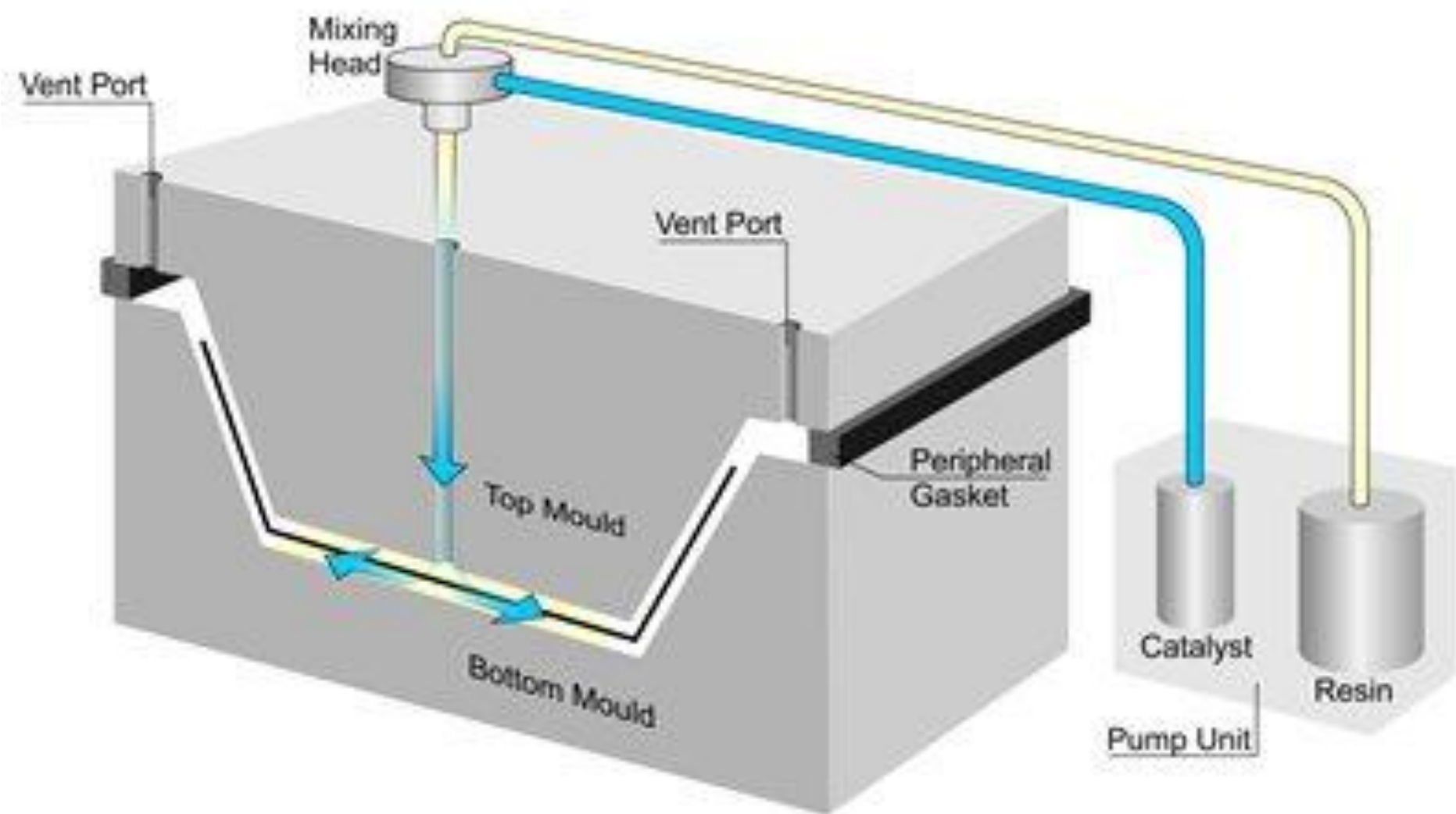
↻ demolding

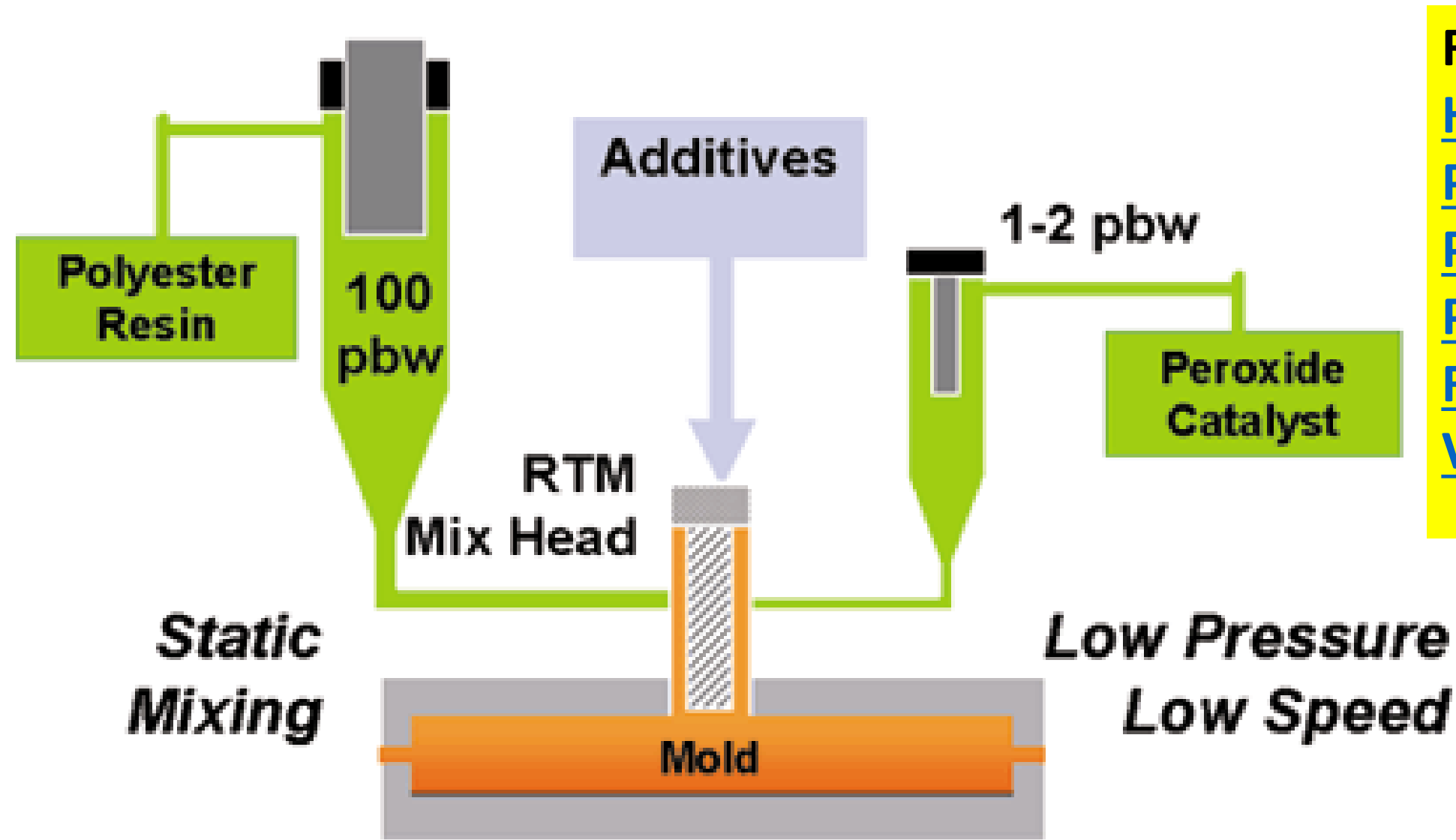


COMPRESSION MOLDING









- Related Materials**
- [Hybrid Resins](#)
- [Phenolic Resins](#)
- [Polyester Resins](#)
- [Polyurethane Resins](#)
- [Vinyl Ester Resins](#)

Sheet moulding compound (SMC) or sheet moulding composite

- is a ready to mould [glass-fibre reinforced polyester](#) material primarily used in [compression moulding](#). The sheet is provided in rolls weighing up to 1000 kg.



mitstrong@vip.163.com

The dough like substance is called Dough Moulding Compound (DMC).

