


# Plastic Process Flow Chart

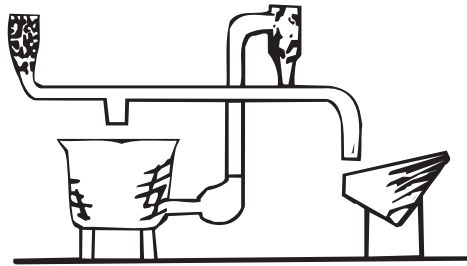
**Plastics** are collected and sorted according to resin types or left mixed, depending on end markets.



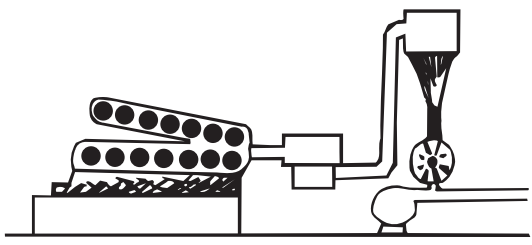
**Plastics** are ground into flakes.



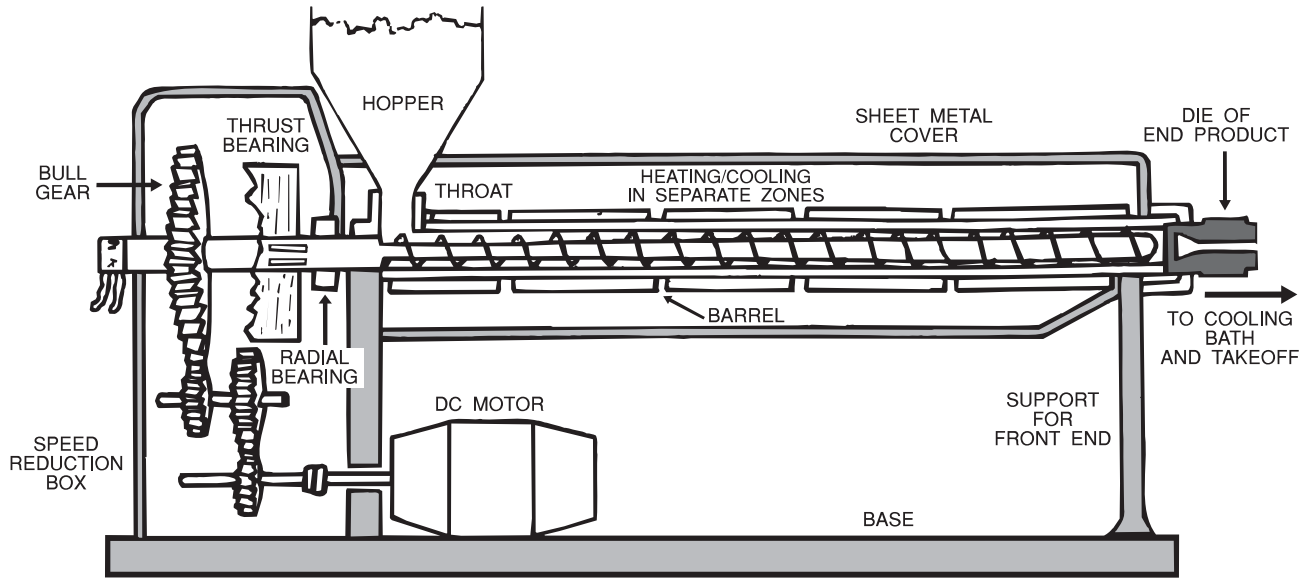
**Flakes** are washed and possibly further separated.



**Flakes** are dried and ground finer.



Plastic flakes are extruded into new products or pellets. The friction of the screw against the pipe (assisted by heating coils around the pipe) melts the flakes.



**THE EXTRUDER AND ITS PARTS**

Labels in diagram: HOPPER, THRUST BEARING, BULL GEAR, SPEED REDUCTION BOX, RADIAL BEARING, DC MOTOR, THROAT, HEATING/COOLING IN SEPARATE ZONES, BARREL, SHEET METAL COVER, SUPPORT FOR FRONT END, BASE, DIE OF END PRODUCT, TO COOLING BATH AND TAKEOFF.