

The picture illustrates the process by which plastic bottles are recycled.

It can be seen that there are nine main stages on the diagram, which begin from throwing away bottles into recycling bins by consumers and end at producing new plastic products.

In the first stage, used bottles are put in the four-wheeler cubic recycling bins. Then, bins are evacuated in some specific trucks, equipped with a hydraulic arm, to be carried to the recycling center. Next, the plastic bottles, moving on a conveyor, are sorted by workforces in special containers. In the next stage, sorted bottles are compressed into huge cubic blocks and crushed to small particles by two circular rotating shafts. Having been washed in a water container, plastic particles are then transmitted to a machine from its cone-shaped top. Simultaneously produced pellets exit from discharging part of the machine, located at its side. Once the previous stage is finished, the mass of pellets is heated from its bottom to form raw materials, and afterward, they are packaged into cubic shapes. Entering the final phase, raw materials are used to produce new end goods, and the cycle is completed.