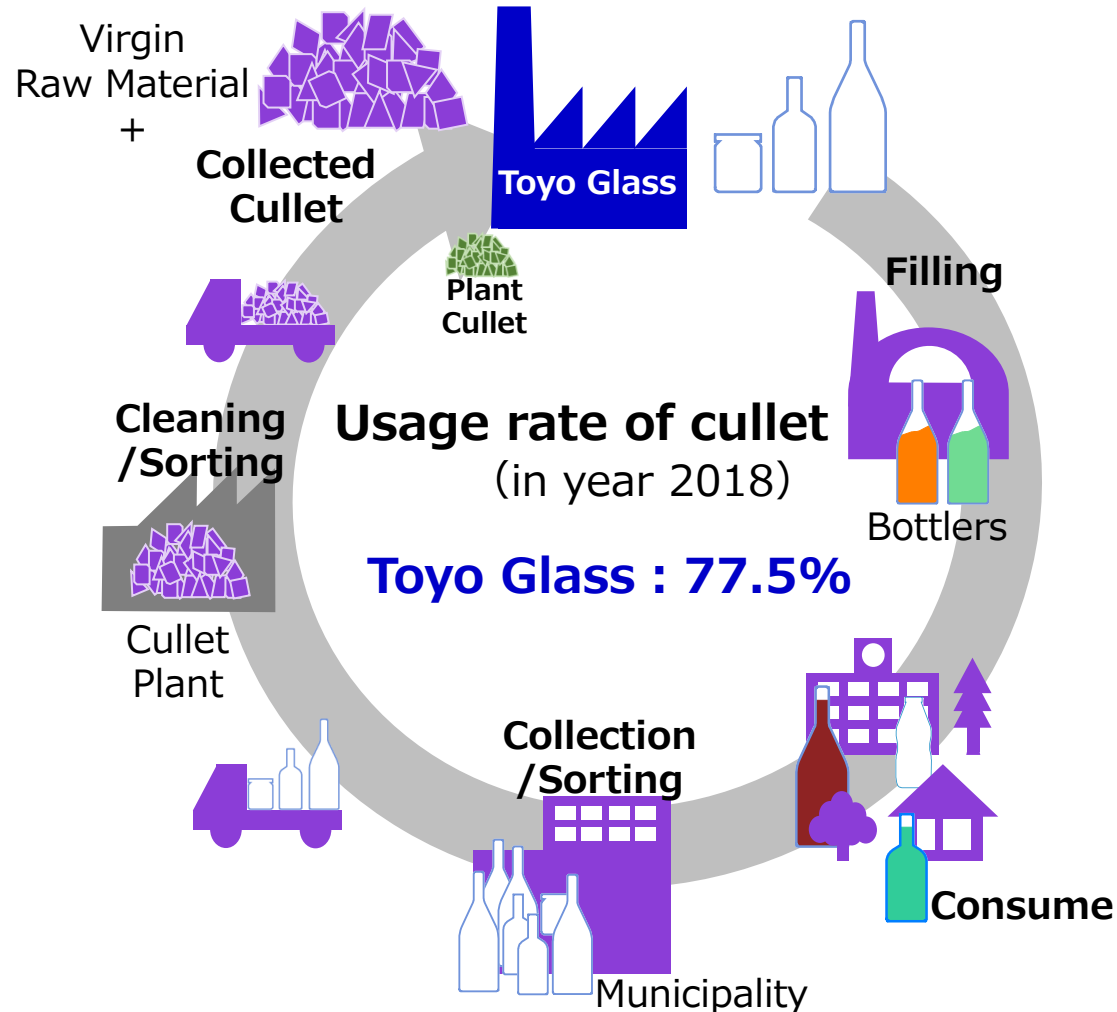


Toyo Glass is a company that provides high quality and environmentally friendly glass containers.

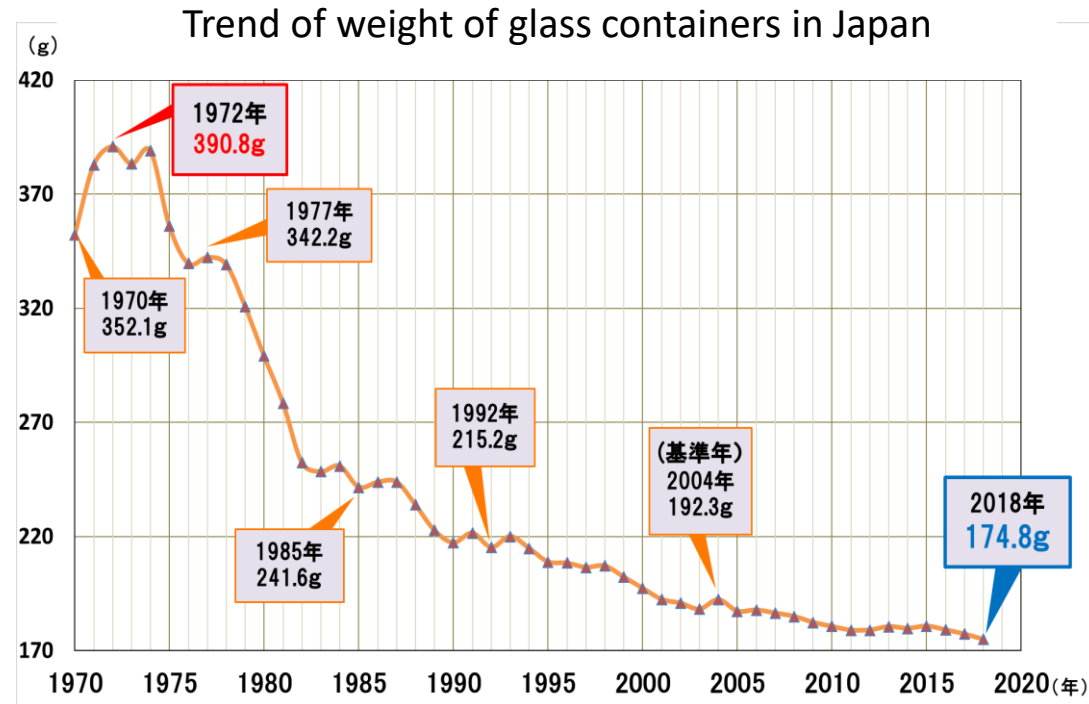


* Cullet usage rate = cullet usage amount ÷ glass melting amount

Reduce (Light-weighting of glass containers)

Weight change per bottle

2018 is 174.8g
(▲ 55.3% compared to 1972)
Continuing efforts to reduce weight for the past 50 years

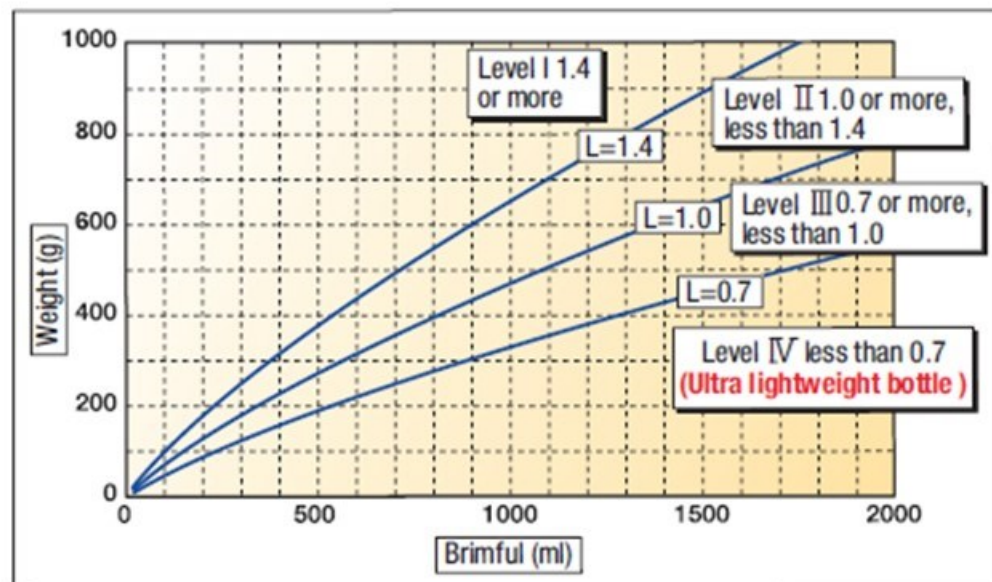


“Reduce” in glass containers means light-weighting. Light-weighting of glass containers leads to resource saving, energy saving and reducing CO₂ emissions.

In Japan Glass Bottle Association (JGBA), they call the most lightweight glass bottles “Ultra lightweight bottles”, and these are the world’s highest level of lightweight bottles.

Toyo Glass actively promote the lightweight bottles using its state of the art technologies and offer general products of Ultra lightweight bottles which is available for much more customers.

The general products are certified as Eco Mark.



Four levels of lightness

Lightness(L value) is calculated by the following formula.

$$L \text{ value} = 0.44 \times \text{bottle weight(g)} / \text{brimful (ml)}^{0.77}$$



General products of ultra lightweight glass bottles

Eco mark certified No. 07124002



Symbol mark of ultra lightweight bottle by JGBA

