



I Present Conditions for Recycling Steel Cans

3. How Much Steel Can is Recycled in Japan ?

The recycling rate for steel cans in FY2012 was 90.8% (the highest on record)
 The recycling rate in FY2012 achieved the target set by the Industrial Structure Council of the Ministry of Economy, Trade and Industry for the 12th consecutive year.

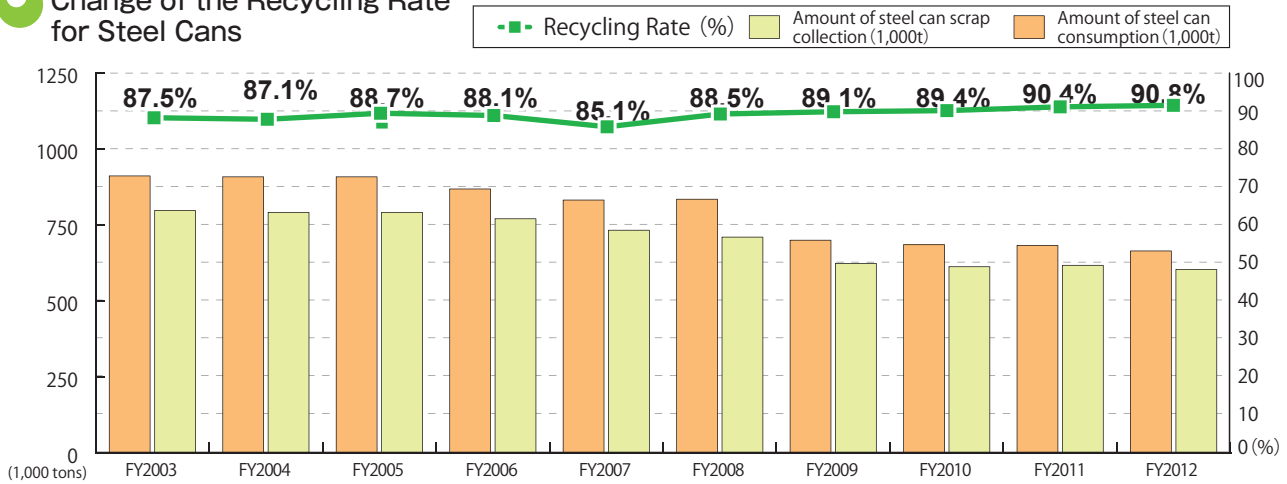
Factors of high recycling rate

- ① The crude steel production of the world reached a record high of 1,550 million tons in 2012, and global demand for iron scrap is increasing since iron scraps are the raw materials for steelmaking. Annual production in Japan is maintaining the 100-million-ton level, and iron scrap maintains its high demand as a self-sufficient valuable raw material.
- ② The quality of raw materials in steel can scraps has improved year by year, since separate collection has well promoted through citizens' cooperation, separate collection system from municipalities as well as business activities has been fully equipped, and the accuracy of separation and processing at the recycling facilities and scrap processors have improved.
- ③ Since FY2008, we have known parts of the amounts which were shredded because a part of the can scraps shredded were distributed as standard except the can scraps.

Steel Can Recycling Rate of FY2012

$$\frac{\text{Amount of steel can scrap collection } 602,944\text{tons}}{\text{Amount of steel can consumption } 664,049\text{tons}} = 90.8\%$$

Change of the Recycling Rate for Steel Cans



The Recycling Rate by Items

| Items | Recycling rate (%) | Index | Method of calculation (Note) |
|----------------------------|--------------------|---|--|
| Steel cans | 90.8 (FY2012) | Recycling rate | Amount of steel can scrap collection / Amount of steel can consumption (Steel cans=Beverage cans+Food cans+General cans+Some 18-liter cans) |
| Glass bottles | 69.6 (FY2011) | Recycling rate (cullet utilization ratio) | Amount of glass bottles recycled / Amount of domestic glass bottles consumption |
| PET bottles | 85.8 (FY2011) | Recycling rate | Amount of PET bottles recycled in domestic and overseas / Amount of designated PET bottles sold |
| Paper containers/packaging | 20.7 (FY2011) | Collection rate | Amount of collection / Amount of discharge by households |
| Plastic containers | 40.6 (FY2011) | Recovery rate | Amount of re-merchandising + Amount of self-collected / Prospective amounts of discharge |
| Aluminum cans | 94.7 (FY2012) | Recycling rate | Amount of recycling of aluminum cans / Amount of sales of aluminum cans (Aluminum cans = beverage cans) |
| Cartons | 42.9 (FY2011) | Collection rate | Amount of domestic collection / Amount of cartons used (Included loss paper and old paper) |
| Cardboard | 98.4 (FY2012) | Collection rate | Amount of used cardboard (Amount of collections received domestically + [Exports - Imports]) × (Amount of consumption of cardboard / Shipping amount of cardboard produced by paper makers × 0.988) / (Amount of cardboard consumed by carton factories + Balance of amount of cardboard accompanied with exported good and those with imported goods) |

Source: Voluntary Action Plan for the Promotion of 3R in Containers and Packaging 2012 Follow-up Report