

How are steel tins recycled?



printwaste
Sustainable Recycling

Steel tin recycling step-by-step.



Step 1: Collection

We'll collect your steel tins (mixed together with aluminium cans and plastic bottles) and transport them back to our recycling facility.

Step 2: Sorting

Once there, we'll use a magnet to separate the steel tins and an eddy current separator to separate the aluminium cans from the plastic bottles. Your tins will then be compressed into bales (that weigh around 400kg!) and sent on to a specialist reprocessing plant.

To find out more about what happens to your aluminium cans and plastic bottles, see their separate recycling process sheets.

Step 3: Melting

At the plant, your tins will be put into a 1700°C-hot furnace, mixed with molten iron to improve quality (steel is originally made from iron ore), and melted down into a liquid metal.

Step 4: Moulding

The liquid metal will then be poured into large moulds and left to cool and set as slabs.

Step 5: Rolling

Once set, the slabs will be rolled into coils.

Step 6: Recycled steel

To finish their recycling journey, the coils will be sent on to manufacturers, who will turn them into new steel products, such as bicycle frames, cutlery and, of course, new food and drink tins!



Did you know? Steel is the most recycled material on the planet!

We hope you found this useful & informative.

If you did, you'll be happy to
know we have a whole bunch
of process sheets for you...

Recycling process sheets



Cans



Cardboard



Cartons



Paper cups



Glass



Wood



Plastics



Paper



Fluorescent
light tubes



WEEE



Polystyrene



Tins



Non-recyclables

Confidential shredding process sheets



Uniforms & clothing



Hard drives



Confidential paper

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