

Materials Recovery Facility (MRF)

A brand new MRF located at Longley Lane, Manchester is capable of processing 90,000 tonnes of material each year. It sorts glass, cans and plastic bottles from the kerbside collections across the Greater Manchester area.



Why use a MRF?

Using this technology 95% of the material that enters the Materials Recovery Facility is recycled and the remaining 5% of waste gets sent for energy recovery.

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What does a MRF do?

Sorts the mixed materials that we recycle in a single kerbside container. This includes: glass, cans and plastic bottles. It uses a range of state-of-the-art preparation and separation technologies to make sure each bale of steel, aluminium and plastic bottles, as well as glass, which is stored loose, is in the best possible condition ready for recycling.

What are the advantages of a MRF?

The main advantages of a Materials Recovery Facility are:

- High processing efficiency
- Revenue from the sale of materials
- High quality recyclate
- Good for achieving high recycling rates
- Proven technology
- Can take material from both kerbside collections and bring sites
- Provides work opportunities

What happens to our waste when it gets to the MRF?

After the mixed glass, cans and plastic bottles are delivered, a quality inspection takes place to ensure that only items we want are placed into the process. This removes any large contaminants that could damage the machinery.

A series of systems and technologies are used to separate the glass cans and plastic bottles into single waste streams, ready for recycling. The mixed recycling is pushed onto conveyors where it first enters a pre-sort cabin, which removes any smaller unwanted items. From there an over-band magnet separates out any steel cans.

Glass bottles and jars travel through a breaker screen and then onto a clean-up system where it is refined further and sorted into two sizes.

An eddy current separator is used to remove aluminium foil and cans, which are baled separately ready for recycling.

The plastic bottles go into another separator unit that has the capability to divide them into the following different types: HDPE, PET and unwanted mixed plastic.

The separate streams of plastic are sent for quality control before heading to be punctured and squashed, ready for baling.

Is it Recycled?

Yes! We promise that if everyone puts what we ask for into their recycling container it will be sorted and transported to be made into new products.



For more information, please visit : www.recycleforgreatermanchester.com or contact:

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