

Recycling with irradiation



Using gamma and electron beam radiation technologies as a complement to traditional mechanical and chemical recycling methods, certain types of plastic waste can be modified and therefore reused or recycled.

These technologies can complement existing recycling efforts to:

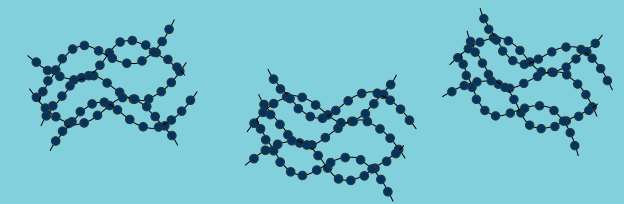
Sort mechanically treated plastic waste according to polymer type.



Treat plastic so that it can be amalgamated with other material to make more durable products.



Breakdown plastic polymers into smaller components to be used as raw materials for new plastic products.



Convert plastic into fuel and feedstocks through radiolysis (irradiation + chemical recycling).

