



### Your partner for recyclable materials

Re-Gen Materials is committed to the supply of high quality recyclable materials to the global marketplace. Focused on service, we have built a reputation as a trusted partner for recycled commodities. Our location, with rapid access to sea and road freight, is ideal for the efficient handling and distribution of all materials to export markets. We are an experienced and dedicated team of international traders, ready to meet your material requirements.

*"It has been an absolute pleasure to have such a fantastic supplier. We have worked with Re-Gen for the past 13 years and have experienced a consistently high standard in every aspect of their admin through to the quality of the product supplied."*

**Nick Ruparelia**  
Commercial Director Monoworld Group

Our Future is Cleaner

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Insert Company Name



## Materials

Your partner for  
recyclable materials





Our materials are processed within days of collection from the kerbside to ensure minimum contamination.



All inward and outward material is stored inside our facility, ensuring the lowest possible moisture content.



Our regularly updated spec sheets give our customers a reliable measure on the specification of each load of material.

### Mixed Plastic Bottles

Our MDR process is designed to ensure the highest percentage weight and polymer content in every bale. Plastic bottles pass through a series of screens, removing paper and other sub 30mm materials. The plastic bottles then pass a number of quality control operatives to ensure only a high grade of mixed bottles are recovered. Following sorting, a Wagner 4 shaft piercer punctures the bottles and flattens them to remove all liquids and increase the density of the bales. Further enhancement of the bale is achieved by introducing a special hold and release regime before tying which results in a superior quality bale.



### Mixed Rigid Plastics

The larger hard/rigid plastics are recovered by hand at several locations throughout the plant and subjected to further manual inspection away from the line to remove non plastic content from the initial pick.

Smaller mixed rigid plastic items are recovered during the automated screening and sorting process before baling with the larger items.



### Low Grade Plastic Film

Plastic Film is removed at Re-Gen using a combination of an overhead vacuum system and quality control operatives. As operatives pick film from the line and raise it from the belt, an Impact Air system draws the film away to two picking belts where it is checked before dropping into one of two dedicated film balers.



### Mixed Paper (CEPI 1.02)

We separate Mixed Paper by using 5 decks of disc technology that ensures no fine material, bottles or metals pass through the plant within the paper, this also removes the sub 30mm portion of the paper to enhance the output quality. All mixed paper is thoroughly checked by multiple operatives before baling.

**Compliant with European Standard - EN643**



### OCC (Cardboard, CEPI Old KLS, 1.05)

Re-Gen's advanced plant segregates the larger OCC by a twin deck CP OCC screen and is bunkered following additional visual checks by an operative, all remaining OCC is handpicked from the paper lines and bunkered before the baling process.

**Compliant with European Standard - EN643**



### Mixed Glass

Re-gen is unique in its ability to recover glass from mixed dry recyclables as part of MDR contracts with local authorities across the UK and Ireland. Glass is extracted from the MDR process via a series of 2D and 3D screens. Our micro fines plant ensures we recover over 95% of all glass content while minimising contamination from papers and bottle caps.



### Aluminium Cans

Re-Gen recovers a high-quality mix of aluminium cans from mixed dry household recycling. Aluminium is recovered during our MDR processing where two 13" Walker eddy currents run in series to produce a cleaner grade of material. In addition, all Aluminium is checked manually by pickers before baling to achieve our exceptionally high-quality standard.



### Steel Cans

To ensure the cleanest grade of material, we separate the Steel by 'over band' and 'head drum' magnets after the paper has already been removed. The steel 'over band' works in a water fall direction and attracts the ferrous metals from a free-falling state. This process limits contamination and optimises the quality of the steel material mix recovered. All steel is checked again manually by pickers before baling to achieve our exceptionally high-quality standard.



### Small Mixed WEEE (SMW)

Re-Gen recovers small mixed WEEE through our MDR contracts for materials recovered at the kerbside by local authorities throughout the UK and Ireland. Our recovery process extracts small mixed WEEE from household mixed dry recyclables. The SMW we supply has been picked by hand and inspected to minimize contamination from other materials.

