

Waste Recycling Baler – Dried Food Producer and Distributor

Project Focus

A dried food producer and distributor was recycling its cardboard and plastic waste in a small twin chamber waste baler. The baler was working well although an increasing amount of time was being spent on folding larger items up to fit into the baler as well as time being spent creating and ejecting bales on a regular basis. The project was to investigate a solution to reduce the labour spent recycling waste and to increase overall revenues for recyclable material being sold.

Sustainability Action

Once Blue Castle had surveyed the site, the process, and the quantity of recyclable material being generated, it was quickly apparent that the current waste handling equipment was only coping with 35% of the sites recyclable material. Due to the limitations in size and throughput, the current baler was being stretched to its limits and waste was being generated too quickly and therefore being passed through as general waste.

We installed a larger more energy efficient twin chamber baler. This was similar in operation to the current equipment although it now had capability for larger items of material and a greater throughput. This meant that all the recyclable material could now be recycled and there was a reduction in labour required for the operation of the new baler. The New Baler produced larger bales meaning less time was being spent producing bales and also due to the size of bale produced, a higher price was achieved for the baled recycling material. The uplift in sales price for the bales was 40%.

The bottom line in savings on labour was an estimated £3300 per year, the increase in revenue for the recycling was £4800 and the more energy efficient baler used a predicted £78 less in energy each year.

How can members action this?

To find out more, please contact Blue Castle on 01400 283500 or e-mail recycle@blue-castle.co.uk.

