



Case studies: Encase Packaging (Completed 18th September 2015)

A solution was sought to provide replacement compaction equipment which could handle the air system which feeds loose corrugate waste from Encase production / cutting operations. The existing machine had been in operation for over 20 years and was becoming unreliable and inefficient. Highlander proposed the provision of a specialized trim waste compactor system with rear mounted power-pack to remove fire hazards. The new machine also came with cross-over rams which allowed the design to be shorter yet maintain a large charge box so that the machine would fit in the current space and still take the existing balance fan which would be mounted on the top of the compactor unit. The installation proved challenging given the position of the compactor and lack of solid ground for lifting equipment to be situated, however a solution was found to overcome this hurdle. The installation itself was a £15,000 investment and has resulted in less collections, better rebates and a tidier yard and production area all round. Images for illustration as below (Both before & after for illustration of the improvement gained):

Before Installation:



The installation took only 4 hours & was performed at a time that meant zero disruption to Encase operations. The machinery has proven to be a valuable asset to in terms of added value to the waste materials, improved efficiencies & enhancements to the yard areas and incorporates a foam seal between the container & the compactor unit designed to reduce the volume of escaped waste from the system. Highlander now collects in containers in 4 ton batches with an additional open top container on the site for large waste items and as a back-up / over-flow to the main system.

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After installation:



Bottom pictures – Machine installed and waste container attached