Recycling with Max Extract

(PRLEAP.COM) April 13, 2014 - McCarthy Marland was created in 2001 with just one lorry and a few skips by entrepreneur Kevin McCarthy. Through sheer determination, hard work, business acumen and sound judgement, the company took advantage of the growing demand for recycling and grew quickly.

By 2012 Kevin took on an extra partner, Alex Marland who came with an extensive background in waste management and had worked in the past developing and managing recycling and energy-from-waste projects. Together they share the same goal – to be resourceful with rubbish! Rubbish (or waste as it is more commonly called in the industry) can be a valuable resource if handled and segregated effectively. Today, McCarthy Marland provide waste management services to Bristol, Bath and the surrounding area. They deliver quality services and make resourceful use of the rubbish they handle to produce recycled products and renewable fuels.

The Decision to Invest in Density Separation Equipment In July 2012 Kevin McCarthy and Alex Marland embarked on a project to identify technology for waste segregation. After crunching the number several times, and taking a long view over current and pending waste regulations, Kevin and Alex decided to tackle the removal of stone, soils and steel from the construction and demolition waste received at the Transfer Station.

Waste received at the Transfer Station is stored for processing in two distinctive stockpiles. Light waste such as; plastic, textiles, cardboard, wood, etc for picking and recycling and heavy waste such as; soil, stone, steel (with a small fraction of light waste) for recovery.

It was the heavy waste stockpile that Kevin and Alex wanted to tackle as this is where they could see the most value over the long term. "We knew what we were trying to achieve" explains Alex "and we looked at several technologies during the research process. Our key criteria were to find a technology that was well built, has capacity for us to grow into, produces quality products and does not require manual pickers."

The combination of the Max X Tract and Flex X Tract in series achieves the above criteria and is proving to deliver considerable benefits to McCarthy Marland (Bristol) Ltd. These benefits are achieved from the plant's quality outputs and minimal manpower requirement. "We load the hopper every 30 minutes and leave it to process the material" says Alex "the only manual

interaction is when we clean it."

The new plant is equipped with a bespoke front end loading hopper capable of holding 12 cubic yards of feedstock. "The oversized hopper enables the loading shovel to quickly load the plant and then go off to move other materials" explains Kevin "which is essential in a busy environment like ours where the loading shovel is constantly in demand."

About the Max X Tract and Flex X Tract

The Max X Tract and Flex X Tract Density Separators, which last year won a CIWM award for environmental excellence, are designed to separate materials less than 100mm at a processing rate of 100 tonnes per hour to give the customer higher value materials, whilst reducing the amount of material going to costly landfill. Valuable materials can be separated from waste such as metals, wood, plastics, paper, bricks, stone and organics.

The process involves trommel fines at -40mm being fed into the Hopper. The Flex X Tract separates out the -8mm fines, which also benefits from a vacuum taking away the polystyrene, resulting in a clean product, which can be sent to landfill at the lower rate of tax.

The 10-40mm fines are then fed into the Max X Tract, which separates out the steel, hardcore and lights. Lights are compresed and sent to landfill at minimum cost. Steel and hardcore can be reused and generate revenue.

Joe Burke, Area Sales Manager for Worsley Plant said: The Max X Tract density separator is unrivalled in its ability to extract material with a market value. It uses the latest technology in material separation and is helping businesses who manage large volumes of waste material to extract valuable material including -8mm trommel fines, which in turn is reducing the amount of waste sent to landfill.

"For all our customers who we work with since its launch, we are helping them generate extra revenue through trading of those commodities, whilst reducing waste disposal costs associated with landfill tax and at the same time boosting environmental performance."

KEY FEATURES:

Designed to separate materials less than 100mm Patented separation technology Compact and can be easily integrated Processes up to 100 tonnes per hour Recover compost, metals, wood, plastics and organics Results in clean high quality products For more information about density seperation visit http://www.worsleyplant.co.uk