

Mono's Pet Project At C&D Foods

The installation of Mono Widethroat pumps at C & D Foods pet food plant in East Yorkshire is enabling the company to save money in more ways than one. The improved processing cycle, of which the Mono pumps are an integral part, not only avoids wastage of meat purée from each production batch, but also eliminates the costs of disposal which previously had to be paid in landfill expenses.

Four SW042 progressing cavity pumps are fitted on the production line; two are fixed in the extrusion lines and another two are mounted on mobile trolleys. At the beginning and end of each extrusion cycle, if the purée is not of the correct consistency for packing or sale, it is extruded into the extended hopper of the mobile pump and then wheeled to the fixed pump where the purée is transferred into the inlet hopper. This previously unused purée re-enters the production cycle through a drip feed, where it is conditioned to achieve the right consistency.

Apart from the two-fold economic saving that the new system permits, there is also an environmental benefit since the previous landfill requirement is avoided.

The W Range pump has an enlarged rectangular inlet with a screw conveyor to assist the product into the pumping element. Transferring the meat purée at a capacity of 1m³/h, the four pumps run at speeds between 50 and 104 rpm and are each driven by inverter units for a controlled feed. The positive displacement action of these pumps makes them ideal for use with bulky materials, such as animal by-products or fruit and vegetable waste. The rotary

action generates pressure at any speed and does not require centrifugal force or high rotational speeds to operate effectively. Like all Mono progressing cavity pumps, the Widethroat W Range pumps can be used with a Muncher to provide a highly efficient and integrated macerating and pumping waste processing system. C & D Foods readily accepted the proposal to install the W Range pumps since they already have a number of Mono products fitted on site which have given excellent, reliable service.



Pump:	4 off SW042 Widethroat Pumps
Product:	Meat purée
Capacity:	1m ³ /h
Pressure:	12 bar maximum
Pump Speed:	50 - 104 rpm
Drive:	3kW motor



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