

## Time consuming, messy - and damned expensive.

The view of Managing Director Richard Marquand on disposing of vegetable peelings/waste at F G Marquand & Son, the vegetable growers and processors of Callington, in Cornwall.

Says Richard "Only the best prepared onions go into Ginsters pasties and we process up to 35 tonnes of them every week. But depending on the quality of the onions we are able to buy, this creates up to twelve tonnes of waste."

### **The starting situation**

Until recently, all the onion skins and other waste (sometimes including whole onions that did not meet Marquand's and Ginster's high standards) were dropped into a bin at the end of the inspection conveyor and then taken manually to a large skip. It was this procedure that drew Richard Marquand's comment at the start of this article. This procedure was indeed time consuming and messy and, due to the shape of onion skins, the skip could only hold 6-7 tonnes before it was full and had to be taken away by outside contractors.



**Onions being placed into peeling machine**

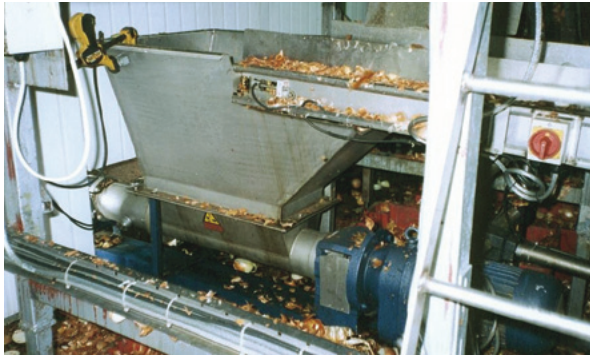
### The solution

The solution was the installation of a seepex BTM progressive cavity pump. This pump is a derivative of the seepex T series, a range of open hopper pumps with an auger feed screw prior to the rotor and stator, but with the feed screw being additionally fitted with rotating and stationary knives. These knives are a seepex patented design and proved very effective at macerating the onions prior to pumping.

### The benefit

The BTM pump – which chops and pumps in a single action – pumps the waste to the skip, some 20 m away.

Says Richard, “With the onions macerated, the waste contains virtually no air. Our skips can now take twice the amount they did previously. With skip collections halved, we are really delighted with the considerable cost savings.”



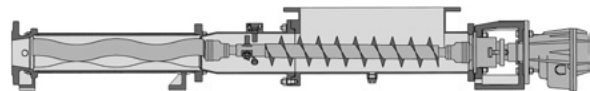
**seepex BTM range pump installed underneath onion peeling conveyor, receiving waste onions and peels**

### Key Facts

- 50 % reduction in waste volume
- Free up production space
- Cleaner environment

### Significant Cost Savings

- Less than twelve month capital payback
- 50 % reduction in skip usage



### Installed Pump Type

- Range BTM

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