



## CASE STUDY - VIBRATORY FEEDERS

Product Sector: **Fruit and Berries**

*Our Customer is a major producer of mixed fruit and berries for leading supermarket chains. Dodman were consulted due to problems delivering berries to existing multi-head weighing stations where hygiene, accuracy and throughput were all major considerations.*

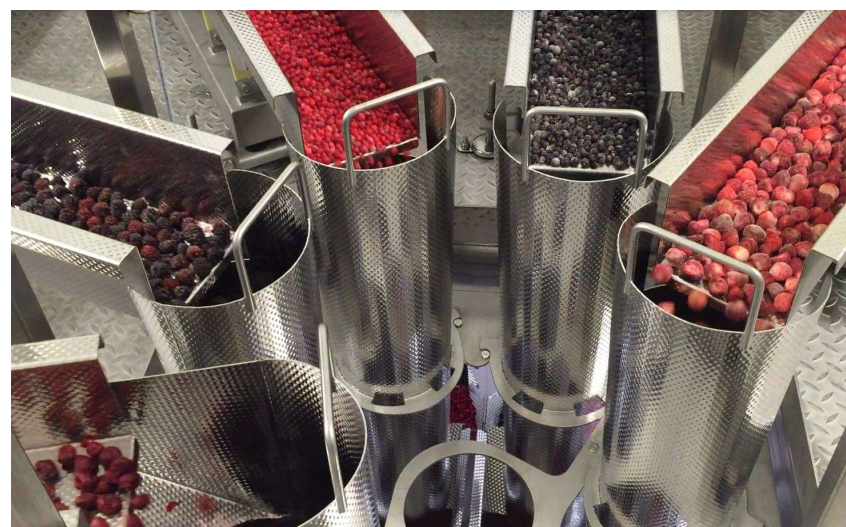
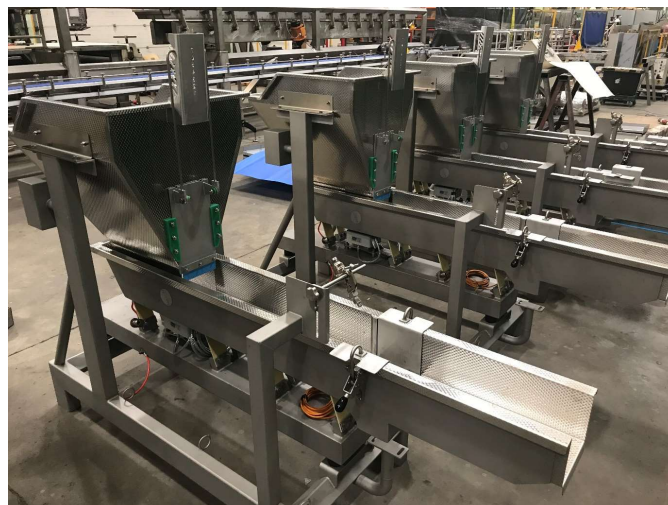
### The Challenge:

Dodman accepted the invite to demonstrate how we could improve production efficiency while reducing spillage using our range of electromagnetic vibratory feeders.

### Insights:

The Dodman electromagnetic feeder is carefully designed to ensure that materials are reliably metered. The innovative adjustable feed gate allows berries to be discharged at the correct bed depth uniformly onto a vibrating tray, eliminating the feast and famine problems previously experienced. The Dodman feeder has a fast response when stopping the feed. Routing of the berries could be achieved by using an insertable blank in the tray. The Dodman electromagnetic feeders run quietly and provide ease of cleaning.

Compared to other technologies such as belt conveyors, the Dodman electromagnetic feeder has a more positive cut off and even bed depth for increasing accuracy. The electromagnetic feeder allows easy access, so cleaning and hygiene is greatly improved. There are no rotating components, so there is a high level of safety and reduced maintenance.



### Our Solution:

Dodman was awarded the contract against stiff competition to install five electromagnetic feeders replacing a series of less efficient belt conveyors. The project was a huge success. The Dodman electromagnetic feeders coped easily with the throughput, accuracy, and spillage was eradicated.

Our customer was so pleased with the solution the same solution has now been installed at two satellite sites.

Dodman have more than 30 years of experience supplying food processing and handling systems to the food industry. If you are interested to know more about Dodman, this specific project or have similar challenges to overcome, please give us a call, we would very happy to help you develop your processes.



**Engineering Solutions without Compromise**  
Process Equipment and Handling Solutions for the Food Industry

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