

VLT® frequency drives for high quality pet food



The reliability of Danfoss drives plays an important role for Nestlé Purina. With only one production line problems will bring production to a standstill.

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Around 1860 Henri Nestlé, a Swiss pharmacist, was the first to develop a special food for babies unable to be breast fed. His goal was to reduce the infant mortality rate. Today Nestlé is a global leader within the production of foodstuffs including baby food and a multitude of milk and breakfast products as well as ice-cream and chocolates. With the take over of Ralston Purina Nestlé has added pet food to their portfolio.



One of the production sites of Nestlé Purina PetCare is located in IJmuiden, The Netherlands. The production of canned dog and cat food at this location goes back 46 years. Hundreds of cans of pet food are produced per minute, - 24 hours a day, 7 days a week.

More than 150 VLT® drives
A total of more than 150 drives play an important role in all stages of the production. The drives, rating from 0.37 to 250 kW control conveyor belts, choppers, wormgears, mixers, palletizers and packing, labelling and foil machines. Nestlé has used VLT® Drives for many years. The operators and engineers are therefore familiar with the drives.

Benefits of Danfoss Drives

Using the same type of flexible Danfoss Drives throughout:

- Parameter settings, parts and options are easily interchanged.
- The number of spare parts held can be reduced.

Real side by side mounted VLT® drives

Reliability is crucial

The reliability of the Danfoss drives plays an important role for Purina. "We have only one production line," says Maarten ten Wolde, responsible for the production process. "So if there are problems, the complete production comes to a stop. That is of course something we want to avoid."

Danfoss drives have a very long service life. The old Danfoss Drives installed many years ago were still going strong. Only because of the need for Profibus communication, Purina was forced to replace these old drives for newer models. Today most of the drives in use are VLT® 5000 models. Recently Purina purchased their first VLT® Automation Drives, the new generation of Danfoss VLT frequency converters.

Serial communication saves time

The VLT® drives used by Purina are equipped with a Profibus interface making it possible for the PLC's to communicate with the drives. This communication enables Purina to save time when changing the process from one product to another. The digital communication also makes it possible for Purina to communicate wirelessly and from remote locations, both with the production process and with the drives that are connected to the network.

Purina can now concentrate on their production of food now they have reliable and intelligent Danfoss Drives on board

Benefits of The VLT® Automation Drive compared to the VLT® 5000 Series

- modular design offering even more possibilities of adding or exchanging options and parts
- smaller dimensions
- more intelligent
- more useful functions
- easier to use

Contact:

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