FAWEMA

FAWEMA HDG WOLF

CASE STUDY

Reducing Food Waste Through Innovative Packaging.
Norgesmøllene and FAWEMA Enters the Market with Dust-Tight and Leak-Proof Paper Bags.



INTRODUCTION

Norgesmøllene, a leading producer of various flours and grain products in Norway, faced the challenge of replacing their aging packaging machines. With three production facilities in Buvika, Skien, and Vaksdal, the company processes around 150,000 tons of grain annually.
To meet the increasing demands for speed and sustainability, Norgesmøllene decided to implement the FAWEMA FA 8000 with the option for dust-tight and leak-proof paper bags.

STARTING POINT:

In the EU, over 58 million tonnes of food waste are generated annually, equivalent to about 131 kg per person. To address this issue and enhance operational efficiency, Norgesmøllene decided to urgently replace its two outdated packaging machines from 1974. A crucial factor in this decision was the implementation of dust-tight bags, which not only improves product quality and hygiene but also contributes to sustainability by reducing waste.

"We chose FAWEMA after considering several options because the collaboration with the sales team was excellent from the start. It was important for us to work with a partner we could trust and who made us feel well-supported. Of course, price was also a significant factor in our decision." *Stig Løvseth, Norgesmøllene*

SOLUTION:

The FA 8000 produces block-bottom bags from roll stock paper and forms them into compact, hygienic, dustproof packages. With a performance of 90 bags per minute at 2 kg, the machine seamlessly replaced the old systems. It can handle fill weights of up to 2.5 kg, is nearly maintenance-free, easily accessible, and operates with low noise emissions.

BENEFITS:

- **Reduced Production Costs:** The machine uses roll stock paper, which saves storage space. One pallet of roll stock is equivalent to the space required for three pallets of pre-made bags.
- **Improved Hygiene:** The FA 8000 operates without oil baths or lubrication, making it ideal for packaging food products.
- **Lower Maintenance Requirements:** Thanks to integrated servo-drive technology, the machine has no rapidly wearing parts, significantly reducing maintenance efforts.
- **Dust-tight Packaging:** FAWEMA's technology enables the production of fully dust-tight bags, making the entire supply chain cleaner, more hygienic, and more sustainable by reducing food waste.



REDUCE FOOD WASTE

By adopting dust-tight and leak-proof bags, we can significantly reduce food waste. This packaging solution prevents products from spilling or being lost during transport and storage, leading to less waste.

At the same time, this innovation supports our sustainability goals by conserving valuable resources and minimizing environmental impact.

"We are very pleased to have successfully implemented this project together with a renowned customer like Norgesmøllene. The collaboration has once again shown us how important strong partnerships are." *Nils Jonas, FAWEMA*

IMPLEMENTATION:

The installation and commissioning of the FA 8000 went very well, despite initial challenges with the bag gluing process. These issues were resolved through intensive fine-tuning and adjustments. The new machine successfully replaced the two old systems and met the requirements for higher production speeds and dust-tight bags.



CONCLUSION:

Thanks to the successful implementation of the FAWEMA FA 8000, Norgesmøllene not only increased production speed but also became the first company in their market segment to introduce dust-tight and leak-proof paper bags, significantly reducing food waste.

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