

Packaging CASE STORY

Bourquin SA, Oensingen (Switzerland)

Investment in future viability

The Swiss family-owned company Bourquin SA, one of the country's leading corrugated cardboard manufacturers, has invested a double-digit million amount in expanding production in Oensingen.

On December 6, 2023, Bourquin SA began the renovation and expansion of its plant in Oensingen, Canton of Solothurn. In November 2024, the company commissioned a new corrugator at this location. Part of the large-scale project was a new extraction and disposal system from Hunkeler Systeme AG. With the investment of 17 million Swiss francs, the corrugated cardboard producer is not only strengthening its future viability but also pursuing a clear sustainability strategy.

Conversion during ongoing operations

A key requirement was to maintain production operations during the construction and installation of the systems. This is where the experience and flexibility of Hunkeler

Systeme AG came into play. Initially, production was secured using temporary solutions, which were later replaced by the final system installation and commissioning.

Centralized waste collection

The new disposal system enables Bourquin SA to collect all production waste centrally and compress it into bales. A powerful and reliable edge trim extraction system ensures the operation of the corrugator. In addition, cardboard waste from several downstream converting machines is disposed of via a conveyor belt that feeds into a high-performance shredder and is extracted. Another manually fed shredder is integrated into the system for shredding flat cardboard sheets, trimmings, and core sleeves.



The entire extraction system is space-efficiently arranged on a second level above the baling press.

High-performance extraction system

The heart of the system is a compact filter unit with a fan that generates the necessary vacuum for extraction. The various collection points are connected to the system via separate pipelines and can be controlled individually.

An energy-saving system with a frequency converter regulates the power consumption according to demand. Inactive pipelines are automatically closed by built-in slides. At the customer's request, the existing baling press was retained and modernized with a control retrofit. A filter cleans the process air. The filtered dust is compressed into briquettes, which are then fed directly into the baling press.



A compact extraction system consisting of a separator, a filter, and a fan with an energy-saving system ESS forms the heart of the installation.



The edge trim extraction system (small image) and a chopper fan ensure the operation of the corrugated board plant.



Cardboard, trimmings, and core sleeves are disposed of via a manually fed shredder.



For the disposal of cardboard waste from several converting machines, a high-performance shredder, fed via a conveyor belt, is integrated into the system.