

LOVE FOR NATURE AND QUALITY PRODUCTS

SURROUNDED BY THE PRISTINE LANDSCAPE OF LAKE CONSTANCE IN SWITZERLAND, HOLDERHOF PRODUKTE, FOOD COMPANY LEADER IN THE PRODUCTION OF FRUIT JUICES, TURNED TO SMI FOR THE SUPPLY OF A NEW ASEPTIC LINE FOR THE PRODUCTION OF HIGH-QUALITY DRINKS WITH A THOUSAND THERAPEUTIC VIRTUES.



The 8,800 b.p.h. has been designed according to the most rigorous measures to respect the environment.

The history of this company starts with the graduate thesis in agriculture of Christof Schenk about elderberry wine. The interest in this product led him to found Holderhof Produkte in 2000. Today the company employs 25 people and, in addition to elderberry, cultivates currants, raspberries, herbs and berries and produces a wide range of products, including elderberry syrup, refreshing drinks, fresh juices, fruit wines and energy drinks.

The great attention paid to the surrounding environment and the desire to protect it from future contamination have influenced the company production choices and are key factors for success.

The quality of 100 % natural production results from the use of excellent, organic, raw materials, that undergo accurate controls, from the gathering to the production and distribution.

In order to meet the different consumers' tastes, the company has been developing and introducing new products, marketed under its own brand or for third parties in Switzerland and in the rest of the world.

The aseptic line solution supplied by SMI starts from Holderhof's need to have an extremely flexible plant to process the different products of its own range and have high-tech production systems, that preserve the surrounding natural environment.

SMI Solutions for Holderhof

At the bottom of the success of Holderhof Produkte AG there is a deep love for nature and to the quality of the final products.

There is no reason to doubt the quality of a product that is 100% natural, which results from the use of excellent, organic, raw materials, subject to scrupulous controls, from the gathering, to the production, and the distribution to the consumer. To satisfy the various tastes of the latter, the Henau-based company continuously develops and introduces

new products, marketed under its own brand or for third parties, both in Switzerland and in the rest of the world.

The aseptic line solution provided by SMI, starts from these considerations: from the need to have an extremely flexible system, to process the many products offered by Holderhof, and from the importance of having hi-tech production systems, that preserve the surrounding natural environment.

The 8,800 b.p.h. line includes the EBS 4 ERGON rotary stretch-blow moulder for the production of 17 different bottles in PET with different capacities; the net weight filling and capping monobloc for liquid products; the LSK 30T ERGON shrink wrapper for manufacturing different types of packs in film only, tray only and tray+film; the palletizing automatic system from the APS 1550 P ERGON and SWM line supervisor.

Clear Advantages

Solution for an aseptic bottling line including: rotary stretch-blow molding machine for the production of a large number of bottles of various capacities; net weight filler; automatic shrinkwrapper to produce various bundles in film-only, tray-only or tray + film configurations and an automatic palletization system to process different palletisation schemes. Net weight filling and capping block of liquid products

High flexibility to quickly switch from one bottle to another. Considering the production speeds, the customer could have chosen between rotary or linear stretch-blow molding solutions. Holderhof Produkte opted for SMI's EBS E ERGON rotary technology, because it offers the advantage of being more flexible in the production of various types of bottles, of different capacities, which require frequent format changes.

EBS E ERGON stretch-blow molding machine with extremely versatile preform heating oven: it can process different types of PET or rPET preforms. In fact, the Swiss company is increasing its use of preforms made largely with recycled resin.

The SMI solution for stretch-blow molding of containers adopts eco-compatible technologies, such as the two-stage air recovery system, which ensures a significant reduction in energy consumption and related costs.

Filling with weight dosing technology the ideal solution for filling sensitive products such as juices and syrups.

Reduced and simplified maintenance operations, which also make it possible to optimize the consumption of washing liquids during the cleaning phases of the system.

High flexibility, both in the secondary packaging of the more than 35 formats processed by the LSK 30T ERGON shrinkwrapper and in the tertiary packaging created by the APS 1550 palletiser, which allows to quickly switch from one pack format to another and from one palletisation scheme to another.

Simple and quick management of work programs by the machine operator and scheduled maintenance interventions.

Reduced energy consumption, which is a must for Holderhof Produkte AG, particularly demanding in adopting solutions that protect the surrounding environment.

Simple and intuitive management and control of the production line, thanks to the POSYC® HMI system dedicated to monitoring line operation and controlling product flow and conveyor speed.

Continuous supervision of the bottling line, with the SWM supervisor system, which ensures rapid and efficient monitoring of line operation, even remotely via smartphone and tablet.

The SWM Supervisor control system, developed according to Industry 4.0 and IoT principles, combines the typical production data collection and monitoring functions with a series of tools to simplify the control and management of the plant and improve its productivity and safety and cost containment.

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