



China bags the SVE 2510 LR

Of the huge number of food manufacturers in China, most are small to medium sized enterprises. While cost saving is high on the agenda for these companies, it is also a priority to deliver high quality food through the use of the best packaging processes and materials.

Hangzhou Daen Foods

Founded in 1993, Hangzhou Daen Foods is a well-known food manufacturer from Hangzhou in Zhejiang province. The company mainly produces light snacks and biscuits, which are very easily spoiled by moisture and so great demands are placed on the bag seals of any packaging. Daen uses gusseted bags, rather than pillow packs, with the gusseted bag having a four-layer seam at its two ends and on the longitudinal seam, but only two layers in between.

As a result of the different thicknesses, the bags are likely to be uneven when hot sealed and therefore prone to leakages. Another quality issue is that, to save costs, the company had already stockpiled more than 30,000 Euros worth of

cheap, poor quality film, which it needed to use.

Previously, Daen had selected packaging equipment provided by a domestic supplier. However, the problem of bag leakage had become very frustrating and, in March 2005, the company contacted Bosch Packaging Technology (Hangzhou) Co., Ltd, to find a new solution in the form of the **SVE 2510 LR** bagger.

Stopping the leaks

The integrity of the join between the longitudinal seal and the cross seal is crucial to prevent leakage. The cross seal unit in VFFS equipment must therefore generate high pressure at a stable temperature. As a result, the **SVE 2510 LR** adopts a servo-drive control system to achieve a high, hot sealing pressure (up to 8000 N) and an optimized hot sealing time. The **SVE 2510 LR** also uses continuous motion technology to eliminate other possible failings, such as the packaging material's instability on the feeding process leading to possible leakage.

Another crucial element is the **SVE 2510 LR's** special, cross-seal jaw technology.

This jaw was specially designed and developed to handle the stockpiled packaging material that Daen is currently using and is now known internally by Bosch as the "Daen Jaw". The Daen Jaw enables the **SVE 2510 LR** to deliver 100% seal integrity, as long as the back seal is below 4mm width.

Faster and stable production

Daen also immediately experienced another advantage of the **SVE 2510 LR**: fast and stable production. The measurement device was previously matched with the original domestic packaging equipment, but the **SVE 2510 LR** was able to adjust production speed to 50–60 bags per minute to meet all the production demands. In using the continuous motion technique, all the stations operate continuously, including film running, bag forming, filling and hot sealing. This achieves a 30–50% higher performance than with the intermittent motion technique.

With this machine, Bosch Packaging provides economical solutions in high-performance packaging for a multitude of users. This utilization of the most modern techniques, together with innovative design points the way far into the future.

High performance **SVE 2510 LR**:
Continuous bag forming, filling
and sealing machine



For more information please contact:

Maggie Zhou

Phone +86 571 8726 5008

yangping.zhou@cn.bosch.com