



## **SN - German Pouch-Pack Technology becomes an international leader.**

**Höller, Bosch, Westdickenberg, Laudenberg and SN; the company name may have changed often in the past. The know-how has stayed and continuously grown. With SN and the integration of Laudenberg GmbH in 2010, the ex Laudenberg Managers, Olaf Clemens and Gerhard Dahl, have created a company, that has bundled 5 decades of experience and the technology of the most important German packaging companies: the SN - German Pouch-Pack technology.**

The features that distinguish the horizontal working rotary machine around the world are the "Made in Germany" qualities: wealth of ideas, hard work, precision, care, reliability and an exceptionally high level of commitment. With a streamlined organization, innovative products and advanced service, SN has successfully established itself in the international market as a market leader. The SN – German Pouch packaging technology serves over 2,000 machines worldwide. The order books are well filled. Each year, over 70 machines are added. Now, they want to further increase the competitive edge.

### **The SN goal: radically reduce pouch costs.**

In the SN Technology Center in Wipperfürth, near Cologne, 125 pouch packaging specialists develop and produce custom-made FFS and FS machines and dosing systems for all kinds of products, pouch styles, formats and output quantities under high pressure. The stated goal: Highest production speed, maximum accuracy, constant quality of pouches in conjunction with extremely low energy and maintenance costs should make SN pouch sealers the most competitive of their kind worldwide. In May 2011, less than 6 months after the acquisition of Laudenberg, SN – German Pouch Packaging technology presented the FL 515 Quinta, the first horizontal rotary machine that can produce five pouches at once and up to 500 pouches per minute. This is a 20% increase in output over previous machines. The actual aim of this innovation project demanded by the German Federal Government was to increase sustainability in the packaging industry with energy savings. With an innovative approach, energy consumption per pouch could be reduced by 20%. Another savings potential is the new sealing technology, which allows much thinner film to be processed over the entire format range, and also decisively contributes towards the optimization of energy and CO<sub>2</sub> of the entire package and also to further reduce the cost of the pouch.

The savings through the use of thinner film becomes the greater the more film on the machine is processed. The new technology is designed to allow retrofit to virtually any type of machine, as well as other machines manufactured by competitors, and offers huge savings for the market in years to come. In the meantime, the

FM515 series has been introduced with great success into the market and SN has since developed a 6-lane machine concept and can now increase the output up to 600 pouches/min.

### **Individuality, innovation and quality.**

FFS and FS machines from SN Machinery are technological leaders worldwide. The gripper technology, the servo motion control, the sealing stations, the first horizontal 5-up machine with 10 rotary stations have set the standards. So that this remains like this in the future, SN engineers continuously develop the proven technology in close dialogue with the industry. New ideas as well as special requests and suggestions by the user are constructively implemented at top speed and brought to the market. Every individual SN specialist has the ambition to replace the good with even better. The standard for SN is that there are no standards. The SN pouch packaging experts develop the right solution for products and quantity, as well as the amount of output on the basis of extensive SN machine programs. So arise uniquely individual machine concepts.

Although each SN machine is an individual custom manufactured machine, there are some standards at SN: function reliability and exceptionally long life. The machine availability is 99% + and that typically well over 50,000 hours of operation. The reasons, other than the construction characteristics, are the high quality standards in production. From the design, to the continuous production monitoring until final acceptance, the goods and quality of products along the entire value added chain is monitored continuously at SN. And each SN employee understands "Made in Germany" quality only arises if each person supplies quality service.

### **Customer satisfaction is defined as the primary objective.**

Guaranteed appointments and an on-time delivery are what customers can expect from SN. Well trained teams of specialists provide on-site short installation times, smooth handovers and optimum machine settings. They incorporate operator training for the customer's employees. The sooner man and machine are co-ordinated, the more that comes out what can be expected of a SN machine: perfect pouch packaging with consistent quality and many years to come. To ensure reliability in production over the entire life cycle of the machine, SN provides lifecycle documentation on maintenance contracts and service updates including complete machine overhaul individual service packages. That spare parts are on their way within 24 hours worldwide, goes without saying. And because the service is only as good as the people who perform it, SN service teams are continuously trained on precise diagnosis, quick problem solving and effective action.

SN practices the principles of short paths and flat hierarchies. Consultancy, design, production, sales and service, responsibility, work hand-in-hand. This guarantees individual customer service, smooth project processes, short delivery times, and best return of investment for SN customers. And therefore, SN German Pouch Packaging Technology is internationally at home in the best companies.