



SN ULTRA-CLEAN Technology.
For fresh milk products:
Secure, clean, super.



Uniquely customized.
Uniquely economical.



SN ULTRA-CLEAN Technology. Exceeds expectations.



Do your customers expect fresh, enjoyable products without additives? In a modern, practical package that is easy to carry?

Do you expect a securely packaged product with extended shelf-life? Highest flexibility and lowest cost pouches? Are you looking for new marketing opportunities? And a machine that offers everything?

With the development of the SN ULTRA-CLEAN Technology for the multi-station LMS machine, SN has built a system that will exceed all your expectations.



All types of pouches with fill volumes from 70 – 1.000 ml can be produced on the LMS machine. The format change-over is always easy and quick through the use of quick-change cassettes and central adjustment.



It does not matter if you need center or corner spouts, or radiused or shaped pouches. The LMS machine is modular, flexible and offers many options.

Suitable for all conventional dosages. The SN ULTRA-CLEAN version for yogurt drinks has been developed with a special dosing system ideal for aseptic packaging. Four different products can be filled at the same time.

SN ULTRA-CLEAN Technology. Cleanliness in details. Internationally certified.

The SN ULTRA-CLEAN technology satisfies all international requirements for clean filling of fresh, viscous milk products. This filling machine for Stand-Up pouches meets all FDA regulations and also that of EHEDG. The machine was certified according to USDA 3A 23-06.

During the development of the SN ULTRA-CLEAN Technology, hygiene was always paramount. Special emphasis was placed to prevent the contamination of the sterile pouch during the whole process.

Hydrogen peroxide sterilization of the pouch material and the spouts stands at the beginning of the process. Sterile air and laminar flow keep the environment clean. These are ideal standards to fill your product with extended shelf-life.



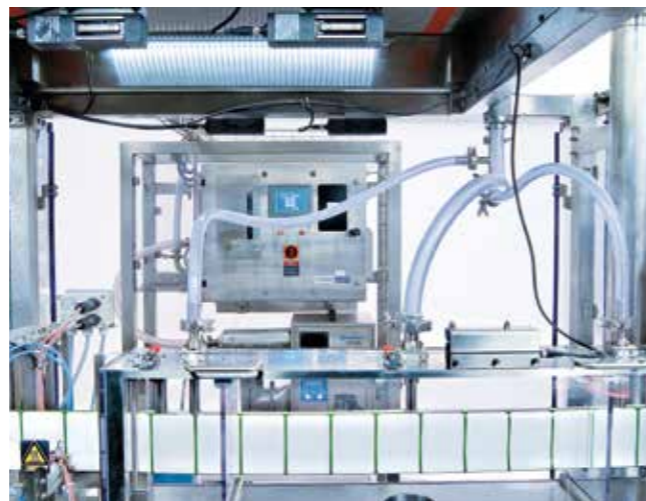
Certified hygiene standard



Filling nozzle



Customer specific filling station



Hydrogen peroxide sterilization of pouch material



Hydrogen peroxide sterilization of spouts

SN ULTRA-CLEAN Technology

- Certified according to USDA 3A sanitary standards 23-06
- Hydrogen peroxide sterilization insures sterility of pouch material and spouts
- Sterile air filter and laminar flow keeps the filling environment clean
- CIP and SIP capable dosing fillers allow for a hygienic process
- Increased production cycles of 72 hours
- Increased shelf-life of your products 60 days in the cool chain



SN ULTRA-CLEAN Technology. Cleanliness and efficiency. The new LMS 120 / 124.

- Machine**
- Reduced format change-over times
 - Electronic inspection systems for quality assurance
 - Easy servicing
 - Visualization on the HMI
 - Solid construction

- Dosing**
- Volume dosing with increased accuracy of ± 0.5 ml
 - Flow-through meter
 - Gentle product filling
 - Multi product filling
 - CIP and SIP capable
 - Minimal cleaning time
 - Wide range of products available

The multi-station LMS machine offers increased flexibility for nearly every application; the number of stations will be adapted to meet the requirements.

Changeover times minimized: The transport system is a unique modular style construction free from polygon effect and maintenance-free. It is easy to clean and allows for automatic adjustment of the pouch width. Changeover times are reduced to a minimum.

On the SN ULTRA-CLEAN LMS machine, the dosing nozzles can be cleaned and sterilized without removal from the machine. A high filling accuracy and the possibility of filling different products are features of our dosing systems.

Through the application of the SN clean design, an easy-to-clean environment was created. Additional units like H₂O₂ sterilization and laminar flow keep the pouch material and filling stations clean. Through the combination of all measures, a sterile zone is created.

Increase your OEE with the support of integrated inspection systems to insure the quality of the packaging. Many different systems are available on the LMS machine.



Optimized filling nozzle



Pouch filling



100% control with camera



**German Pouch Technology:
Unlimited reliability.**



Uniquely customized.
Uniquely economical.

SN Maschinenbau GmbH • Bahnstraße 27 • D-51688 Wipperfürth
Phone: +49 2267 699-0 • Fax: +49 2267 699-500 • info@sn-maschinenbau.de

www.sn-maschinenbau.de

