



**Welcome to the leading
specialist for horizontal rotary
pouch-packaging machines.**



**Uniquely customized.
Uniquely economical.**



**Form, fill and seal.
Anything you can
imagine is doable.**

Food, beverages, pet food, seeds, household products, cosmetics and pharmaceuticals – SN is the ideal partner for all questions related to economical pouch packaging.

As the leading specialist in the production of rotary-type horizontal FFS and FS machines, SN is a provider of tailor-made pouch packaging technology for a wide range of products, packaging formats and filler speeds. From consultation to development, production and service, SN combines fifty years of experience in the industry. The result is high technology made in Germany, used by in the most renowned companies around the world.





SN Technology Center – where we create customer satisfaction.

More than 180 specialists with the best qualifications work on a floorspace of 7,500 square meters at the SN Technology Center in Wipperfürth, near Cologne. Their aim is to make each and every customer completely satisfied.

What characterizes the SN team are the same qualities that have made the term “Made in Germany” a global signifier of quality: innovation, hard work, precision, reliability and a high level of commitment. SN follows the “short distance” principle and believes in flat hierarchies. Responsible teams involved in development, construction, production, sales and service work hand in hand, thus guaranteeing personalized customer service, a smooth workflow, short delivery times and a high “return on investment”.



Consulting. At SN the solution starts with listening.

The basic approach at SN is that there are no standard solutions. Every project is unique and is managed and handled on an individual basis. Internationally recognized experts in pouch packaging listen carefully and develop the best solution for the required shape, size and format of packaging, as well as the intended product, dosing quantity and output rate, based on SN's comprehensive range of machines. Consequently, at SN you will be provided with unique, tailor-made machine concepts which still meet one particular standard: the lowest conceivable cost per pouch.



SN development and construction. Turning the conceivable into the doable.

FFS and FS machines from SN lead the way in pouch-pack technology. We have set benchmarks in the industry with our gripping systems, servo motion control, sealing technology, the first horizontal five-up machine with ten rotary stations, and much more. SN engineers are continuously enhancing proven technology in close dialogue with those who use the machines every day. New ideas, special requirements and practical suggestions from clients are constructively implemented in the shortest time possible and brought to the market. Every SN specialist has the ambition to make good things even better. Production, reliability and an exceptionally long life cycle are standard at SN.

SN presents the future at the Technology Center in Wipperfürth:

Your individual project is simulated with a test set-up and together with the SN specialists you can define the ideal machine configuration for your needs.

Production, reliability and an extraordinary long life cycle are standards at SN.

Because each SN machine is individually tailor-made, some things are the rule 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 for this are the construction characteristics and the high quality standards in production.

From design to continuous production control until final acceptance, the goods and quality of product along the entire value-added chain are permanently monitored at SN. And each SN employee is aware that "Made in Germany" quality is the result of everyone providing quality service.



Installation and instruction. SN is only satisfied when your rotary machine really runs like clockwork.

With SN, you can always rely on clear appointments and a timely delivery of your machine. The best-qualified teams of specialists will install your equipment on site in a short time and make sure that processes run smoothly

and that the machine is calibrated for optimal performance. At the same time your employees are provided with quality training, ensuring pouch packaging of consistent high quality, year after year.



The SN technology concept: radical reduction of packa- ging costs.

SN supplies you with a customized FFS or FS machine, with dosing systems and associated accessories. Whatever your requirements are - SN machines fulfill them! And they do so with highest production rates, maximum precision and consistent pouch quality. The machines have an extraordinary long life cycle, they are simple to operate and can be retrofitted easily at any time. This, and their extremely low energy and maintenance costs, makes SN pouch packaging machines the most economical of their kind.



Secure, clean, clever: fresh dairy products packed **ULTRA-CLEAN**.

Our new form, fill and seal machines (FFS) LMS 120/124 produce up to 240 stand-up pouches/min. and are extremely flexible. Almost all dosing devices and the various reclosure-systems can be combined. Typical applications are the hot-filling of soups, fruit puree or juices.

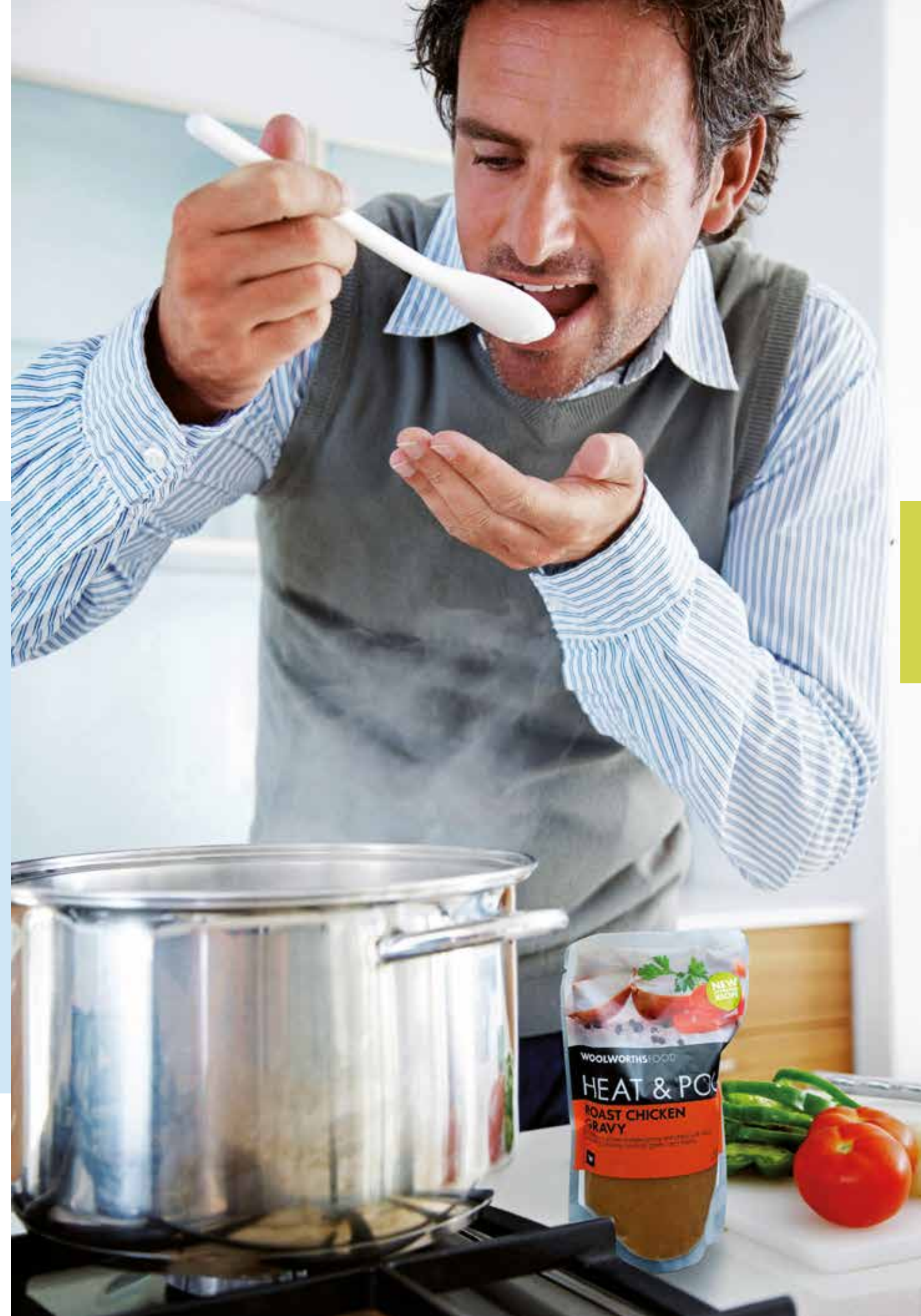
The SN ULTRA-CLEAN version produces pouches with shelf-life > 60 days. Adhering to international hygiene standards allows for cold-filling of dairy products, such as flavoured yogurt drinks. As the first HFFS machine the LMS was certified by 3A.



Cleanliness in every detail. Internationally certified.



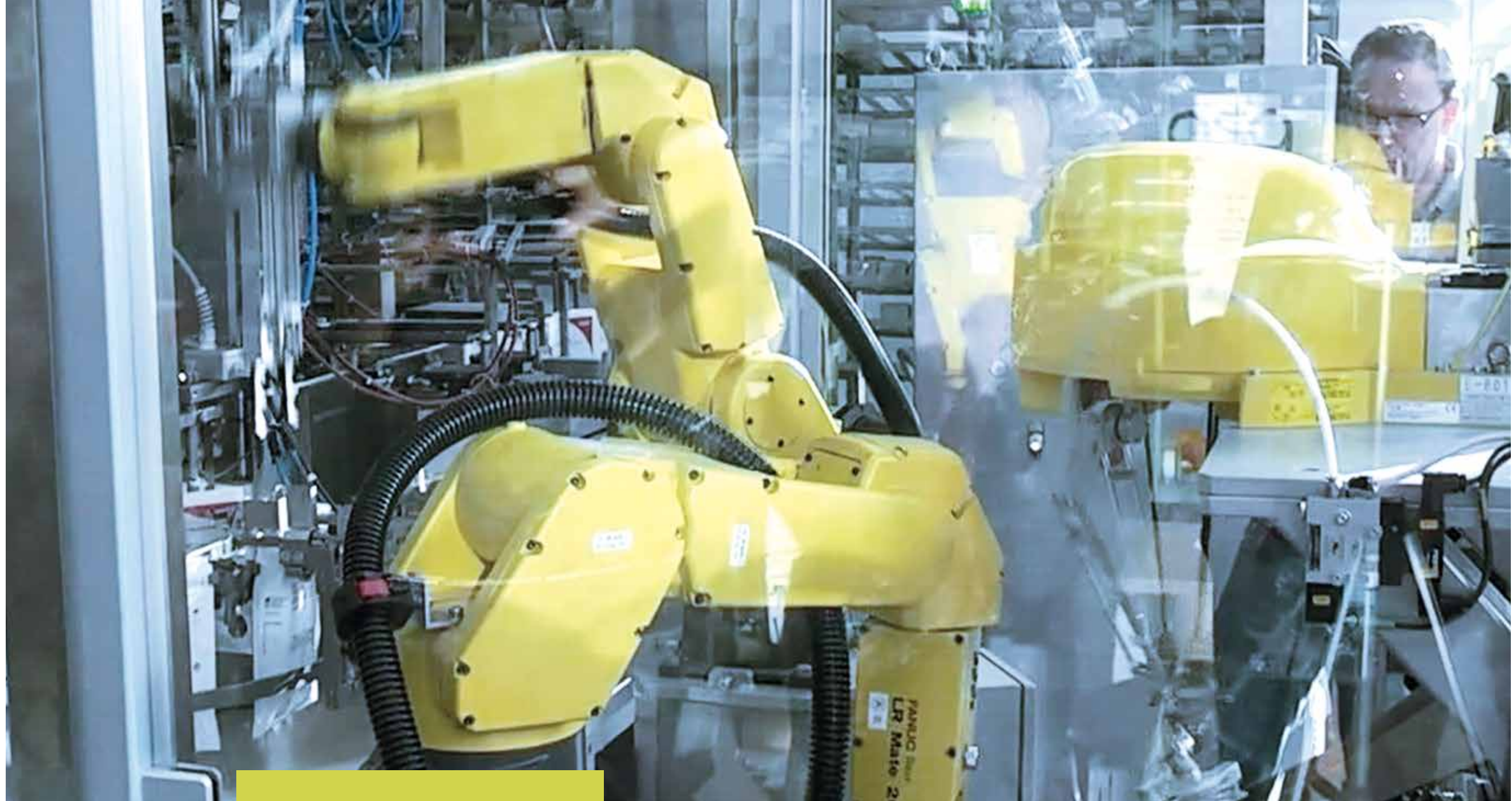
The new form, fill and seal machine (FFS) LMS 120.



Hot- and cold-filling of fresh sauces in stand-up pouches.

All standard pouch types and sizes between 2 ml and 1.000 ml can be produced on SN machines. The format change-over can be carried out easily by using change-groups and central adjustments.

No matter whether you require center or corner spouts, radiuses on the pouch corners or a contour pouch. Our machines are modular, flexible and offer a great range of possibilities.



SN offers more than machines: line competence.

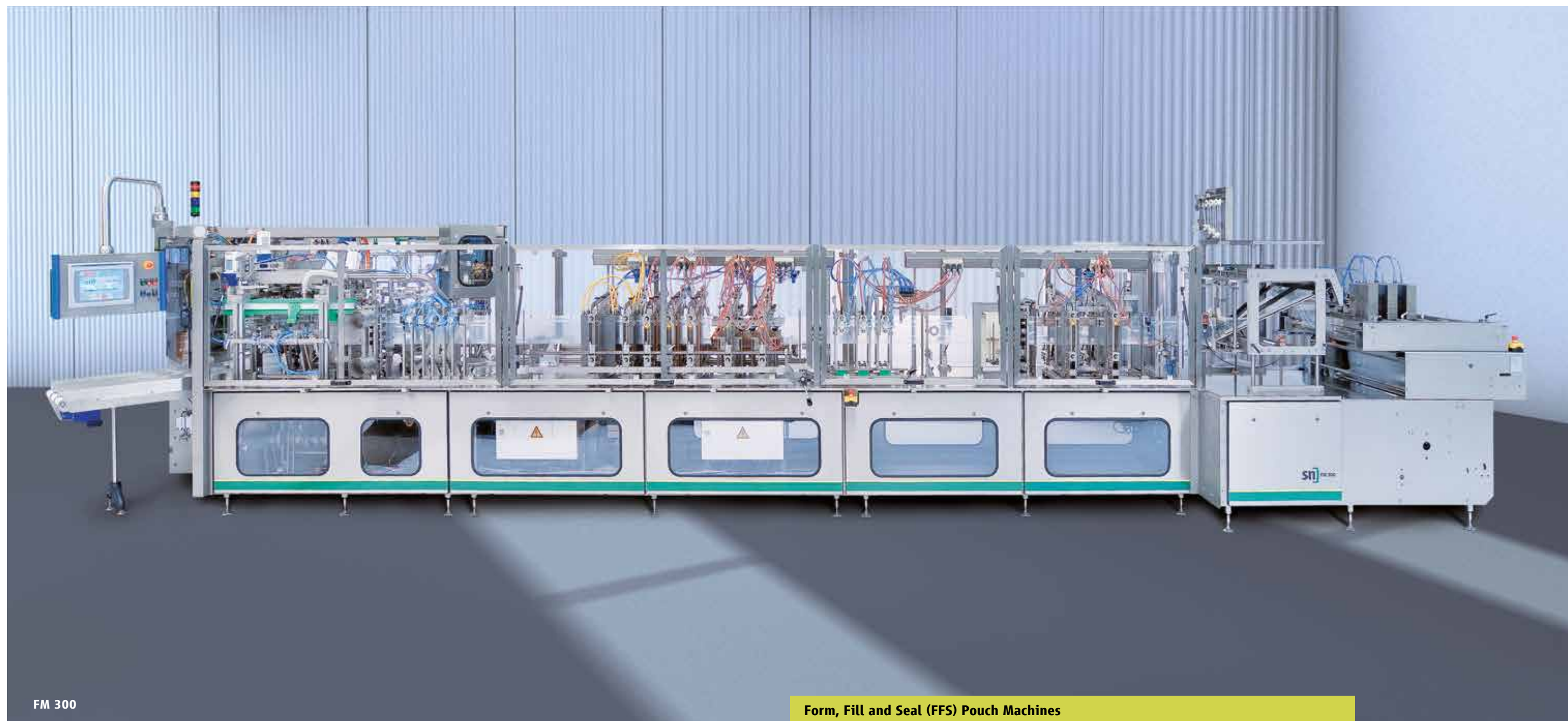
From the idea to the implementation. Make use of our decades of experience when planning your new packaging line. Together with our partner companies we realize production lines from the original product infeed to the secondary packaging.

For SN customers the result is great efficiency on the entire line – with superb quality and lowest costs per pouch.



Turn-key project of a packaging line:

- 2 horizontal FFS machines
- 1 multi head weigher for dosing of piece goods
- 4 robots for flexible product handling



Form, Fill and Seal (FFS) Pouch Machines

Name	Type	Output Rate*	Execution
FBM S1	rotary type	up to 100 pouches / min.	Simplex
FM 060	rotary type	up to 240 pouches / min.	Simplex, Duplex
FM 060 Combi FFS/FS	rotary type	up to 200 pouches / min.	Simplex, Duplex
FBM 071	rotary type	up to 200 pouches / min.	Simplex, Duplex
FBM 20-22	rotary type	up to 200 pouches / min.	Simplex, Duplex
FBM 30-33 / 40-44	rotary type	up to 400 pouches / min.	Triplex, Quadro
FM 115 - 615	rotary type	up to 600 pouches / min.	Simplex, Duplex, Triplex, Quadro, Quinta, Sexta
FM 100 - 600	rotary type	up to 540 pouches / min.	Simplex, Duplex, Triplex, Quadro, Quinta, Sexta
LMS 120 - 124	oval turret	up to 240 pouches / min.	Simplex, Duplex, Quadro
LBV 20 - 050	rotary type	up to 80 pouches / min.	Simplex, Duplex, Special execution

*depending on the filling product characteristics and pouch size



FS 840

Fill and Seal (FS) Pouch Machines				
Name	Type	Output Rate*	Execution	Options
FS 824 - 840	rotary type - 8	up to 40 pouches / min.	Simplex	Zipper, Slider
FM 060 Combi FFS / FS	rotary type - 8	up to 200 pouches / min.	Simplex, Duplex	Spout, Zipper, Slider
FBM 20 FS	rotary type - 8	up to 100 pouches / min.	Duplex	Spout, Zipper, Slider
FBM 25 FS	rotary type - 8	up to 100 pouches / min.	Simplex, Duplex	Spout, Zipper, Slider
FBM 071 FS	rotary type - 8	up to 90 pouches / min.	Simplex, Duplex	Spout, Zipper, Slider
FM 115 - 415 FS	rotary type - 10	up to 240 pouches / min.	Simplex, Duplex, Triplex, Quadro	Spout, Zipper, Slider
FM 100 - 400 FS	rotary type - 8	up to 200 pouches / min.	Simplex, Duplex, Triplex, Quadro	Spout, Zipper, Slider
LMS 120 - 124 FS	oval turret	up to 200 pouches / min.	Simplex, Duplex, Quadro	Spout

*depending on the filling product characteristics and pouch size



FBM 20 FS



Spout dosing



Flow meter dosing



Piece goods infeed



Piston pump dosing



Cup dosing



Auger dosing

Dosing Systems			
Name	Type	Product	Execution
LSD / SD	Auger dosing	powder / granulate	Simplex, Duplex, Triplex, Quadro, Quinta, Sexta
TD	Cup dosing	breakable filling goods	Simplex, Duplex, Triplex
DFD	Flow meter dosing	liquids	up to 8 filling stations
LDP	Rotary vane pump	liquids	Simplex, Duplex, Quadro
Further Options			
Slide dosing, Tube slide dosing, Multihead weigher, Linear scale, Piston pump, Valve pump, Counting devices, Gas flushing, Plant label dispenser, Zipper, Slider, Equalizing unit, Grouping device			

SN Service: As reliable as our technology.

SN pouch packaging machines are among the most reliable of their kind. SN guarantees production reliability over the entire life cycle of the equipment by offering a variety of service packages: Life-Cycle Documentation, maintenance contracts and update services or the complete overhaul of a machine. Spare parts are dispatched within 24 hours. And since our service can only be as good as the people who provide it, SN service teams are continuously trained for precise diagnosis, quick trouble-shooting and efficient solutions.



Online diagnosis: Immediate assistance travels via highspeed internet.

Globally on the ball. You can discuss technical questions about SN machines directly with the SN ServiceCenter in Wipperfürth, also per video telephone: Simply call +49 2267 699-235 for an appointment, activate the messenger program, and log in with "SNServiceCenter" and you are connected to your personal SN consultant via video telephone, who will be able to answer most questions from the distance.



No time to lose: Leasing and second hand machines.

When you want it immediately: SN offers a great pool of completely overhauled FFS and FS machines which can be retrofitted quickly to meet your immediate requirements. Leasing or buying? Your SN contact will be happy to inform you about currently available machines and all possible options.



4-side sealed



3-side sealed



Gusset pouch



Deltapack



Doypack contour



Doypack shaped top seal



Side gusset



4-side sealed slider



4-side sealed zipper



Two chamber



Twin pouch asymmetric



Twin pouch asymmetric



Standup Pouch
Cornerspout



Doypack
Spout choke proof



Doypack
center spout



Doypack contour
center spout



Fully-shaped
contour



Pre-made
paper bag



German Pouch Technology: Unlimited reliability.



Uniquely customized.
Uniquely economical.

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