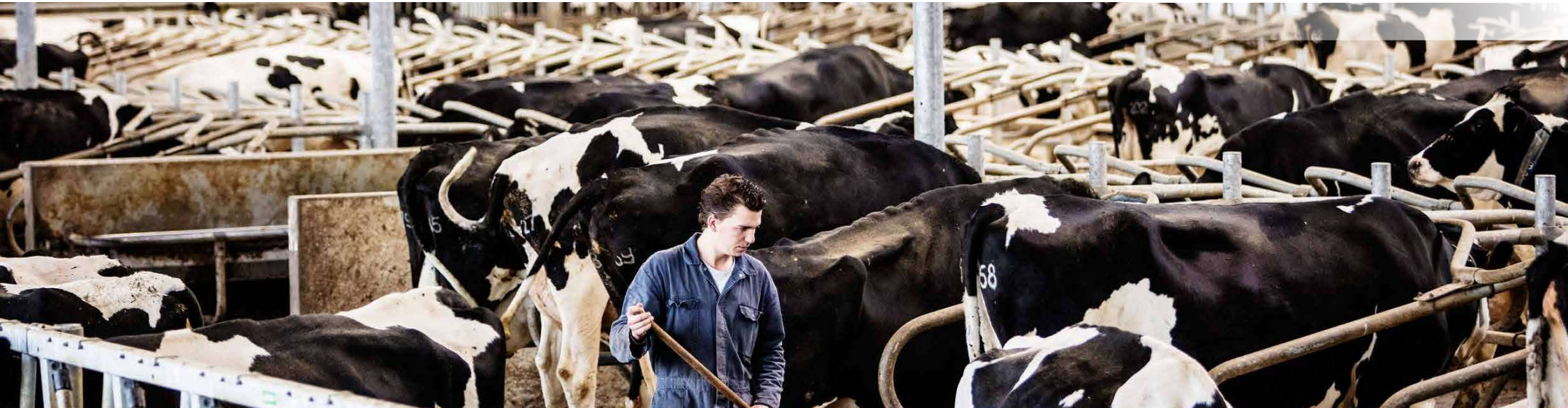


A man and a woman are standing in a modern dairy barn. The man, on the left, is wearing a blue hoodie and is smiling while touching the head of a brown and white cow. The woman, on the right, is wearing a blue cardigan over a green top and jeans, and is also smiling. They are surrounded by several other cows in metal stalls. The barn has a clean, well-lit appearance with metal railings and a concrete floor. A large pile of hay is visible in the foreground.

spinder

DAIRY HOUSING CONCEPTS

The benefits of comfort



Comfort your cows – and yourself – and enjoy the benefits

A happy, healthy cow in excellent condition provides more milk. This is why an investment in a comfortable, safe and clean living environment for your cows will always pay for itself. In both animal wellbeing and production.

The dairy housing concepts from Spinder offer comfort. Starting with comfort for cows, because cows should be able to have a pleasant environment for eating and drinking, resting, standing and moving around. Our comprehensive range of smart-design stall dividers, feed fronts, cow traffic fences, mattresses, water beds and drinking troughs sees to all the above. Naturally, we also supply manure scrapers to ensure a clean living environment for your cows, and we can supply all other equipment needed for the interior of your barn.

The comfort of the dairy farmer is just as important. Operating convenience and reliable quality of the equipment are also required for pleasant working conditions and profitable farming. This is why the development of Spinder's concept does not just take the cow into consideration, but also the farmer. The cows are comfortable and you need to spend less time and energy on daily routine operations.



Smart dairy housing concepts

Dairy housing by Spinder is much more than just supplying equipment. We develop unique and unconventional concepts that help with achieving the best possible logistics for dairy housing. For us, this means interplay between the layout and the activities in the barn, such as milking, feeding, lying down and housing of the calves, young cattle and cows. Both dry cows and the calving cows should also be housed in the right environment. Good barn logistics result in orderly dairy housing in which the farmer can work comfortably.

The professionalisation of the industry requires participants who not only respond, but also make a substantial contribution to these developments. Although we are a traditional company in a traditional market, we are focused on the future

and on developing innovative concepts that help you do more. In other words, we combine rock-solid, quality craftsmanship with innovative technologies.



Industry knowledge

“An investment in a comfortable, safe and clean living environment for your cows will always pay for itself. In both animal wellbeing and production.”

Spinder has been a reliable supplier of dairy housing solutions since 1973. Our company is established in the Netherlands, a country with a long history and prominent position in dairy farming. Thanks to our knowledge of dairy farming, we are able to advise you properly and supply you with equipment that will serve you reliable for many years. Our dairy housing concepts are used by dairy farmers throughout Europe who rely on durable quality and smart solutions for a cow's daily activities.

Quality

Equipment from Spinder is easy to install and offers many years of operational reliability. Spinder distinguishes itself through the use of extra-strong constructions. An example: our fastening clamps are made of thicker steel, making our clamps the strongest available.

We are able to supply 'old-fashioned' quality because we manufacture not only with state of the art machinery but also with 'old fashioned' machines for cutting and processing thick strips of steel efficiently.

Another one of Spinder's distinguishing values is the capability of offering tailor-made; custom solutions

based on the requirements of the farmer. We have in-house engineers who can translate your requirements into a workable and feasible plan and who can produce a draft for the workshop to work from. Non-regular sizes and shapes are no problem and can be supplied within a few weeks.

"We have in-house engineers who can translate your requirements into a workable and feasible plan."





Added value

A row of fences in a barn does not make a concept. Anyone can supply bended metal, but a concept is only that when real thought has gone into the customer requirements. Our unique dairy housing concepts respond to the requirements of our customers: the dealers, the dairy farmers and their cows.

We offer added value to the dealer and dairy farmer through proactive thinking and anticipating the need for custom solutions and by fast delivery of materials, made possible due to our ample stock.

We keep our friends the cows happy by offering them comfort and a safe living environment. In turn, the cow offers added value by giving more milk, making the circle complete.



Sustainable investment

For many agricultural entrepreneurs, dairy housing equipment is a one-time investment that deserves careful consideration. Thanks to robust design and smart construction, Spinder equipment has a very long operating life. Cows also last longer in a well-fitted and equipped barn. A Spinder barn is a sustainable investment.

RESTING

The requirements of the farmer and the preferences of the cow

The ideal resting place for a cow depends on size and shape. The correct shape keeps the cows healthy. The cubicles can be adapted to the size of the animals. Correct sizes result in cows lying straight, which means the manure ends up in the walkway so the cubicle stays cleaner, hygienic and dry. Good for cow health! Also, the cubicles should be safe; animals from adjacent cubicles should not be able to enter this space.

Standing up and lying down should be made possible, freely and unhindered. The divider shape - the Spinder curl - guides the cow into the cubicle and allows her to lie straight. The lower part of the curl provides support, prevents pressure points and prevents animals lying across the cubicles and maybe hurting each other. Dividers that are freestanding,

not connected by girders or frames and/or trusses, offer maximum flexibility of placement. A cubicle fitted with a curved neck bar facilitates lying straight the best.

A dry hoof is a healthy hoof. This is why the base should be dry and hygienic, also for the prevention

of unwelcome bacterial outbreaks that could lead to disease/mastitis. In other words, leaked milk should be able to flow away and the base should be fast-drying and easy to sweep clean so there is no build-up of dirt. Also, the area around and beneath the floor covering of the cubicle should be clean. A soft floor covering in the cubicle means that less additional bedding material is required, which yearly saves a lot of time and money.

A cow likes to be cool in summer and warm in winter when lying down. The surface of the floor covering should not be abrasive for the skin; the cow wants to lie down softly and ruminate in peace and not

be bothered by pressure points or skin lesions. However, the floor covering should not be too smooth, or there may be a danger of slipping when standing up or laying down. So: soft, but also strong. Quite a particular set of requirements for a cow! But we like to spoil her, because a healthy cow that lies down quietly to ruminate properly, gives more milk.

The Spinder curl ensures that the cow lies down in the right place, and the floor covering like a mattress or waterbed ensures that she lies down comfortably.

EATING

Silent and strong constructions that offer safe, serene and comfortable feeding areas for cows

In order to produce a lot of milk, a cow needs to eat a lot. They will do this if their environment is comfortable and does not force them to do so. Cows should be able to reach their feed easily and quickly.

The dimensions and design of the feed fronts should be such that no pressure points can develop, ear tags cannot tear, the collar cannot snag or get caught, and the cow can leave the feed front safely, even when slipping.

The farmer wants to be able to work with the feed front in a safe and simple manner that requires the least amount of strength and actions. Locking should be reliable; cows should be able to lock themselves if necessary. The quieter a feed front, the better. The environment appreciates the silence!

One of our successes is the self-locking safety feed front. This offers cows plenty of freedom of movement, and securing and releasing cows per individual feeding place is possible. The safe and practical operation is integrated, so that undesired self-operation by the cow is prevented. We also supply other types of feed fronts, all safe, comfortable and easy to operate.



COW TRAFFIC

Ease of use for the cow, convenience for the farmer

Comfort is also important in cow traffic (and division into groups). For the cow this means that there are no protruding parts or corners on which she can hurt herself, and that the fronts are not noisy. A cow would much prefer to find her way intuitively.

For the farmer, comfort lies in the ease of operation and the flexible application, easily adapting an area to a different size. The farmer wants fences that are practical in use, can be operated without needing much strength, and that are reliable year after year,

even in the hostile barn environment. The fact that the fronts are not noisy is also pleasant for the farmer, by the way.

**“Spinder combines
rock-solid, quality
craftsmanship with
innovative technologies.”**



INDIVIDUAL ATTENTION



"Spinder does not just take the farmer into consideration, but also the cow."

Make it useful, make it happen

Calves, calving cows, the bull; all animals that require their own individual approach. The comfort for the farmer is in the ease with which the activities can be carried out. Clarity for the animal is also beneficial. The Spinder Cuddle box is a great

example of this. The Cuddle box creates the best possible conditions for calving: for the farmer, for the cow and for the calf. Working with the Cuddle box is practical, safe, quick and hygienic.



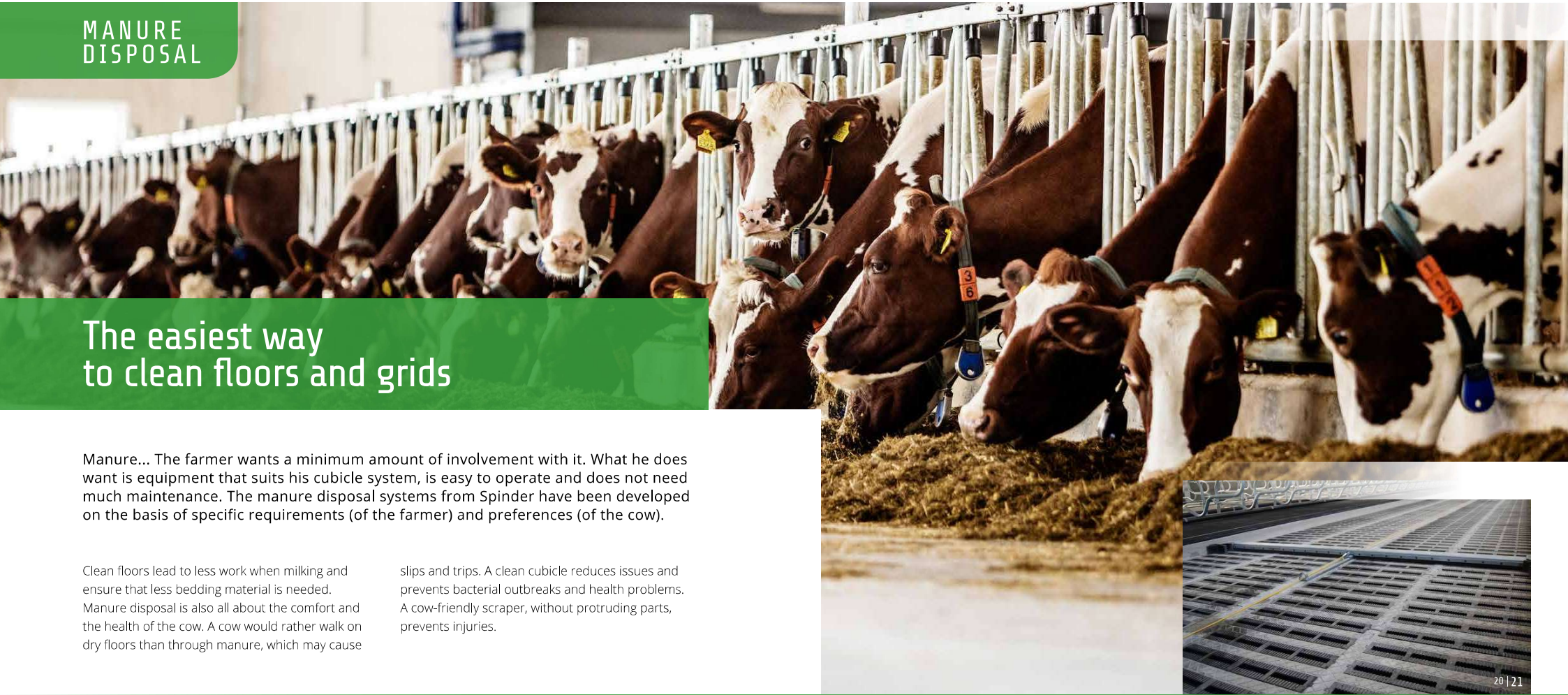
MANURE DISPOSAL

The easiest way to clean floors and grids

Manure... The farmer wants a minimum amount of involvement with it. What he does want is equipment that suits his cubicle system, is easy to operate and does not need much maintenance. The manure disposal systems from Spinder have been developed on the basis of specific requirements (of the farmer) and preferences (of the cow).

Clean floors lead to less work when milking and ensure that less bedding material is needed. Manure disposal is also all about the comfort and the health of the cow. A cow would rather walk on dry floors than through manure, which may cause

slips and trips. A clean cubicle reduces issues and prevents bacterial outbreaks and health problems. A cow-friendly scraper, without protruding parts, prevents injuries.



HISTORY

Spinder since 1973

Tjip Spinder started manufacturing and selling dividers and feed fronts in 1973, using the name Spinder Stalinrichting. What started as a metal workshop, quickly became a small factory and eventually grew into Spinder as we know it today: a leading, advanced manufacturing company with a modern range for contemporary dairy farms.

Tjip Spinder was a real all-rounder and expected the same from his employees. "You were given an overall and a task and that was it", says Dick van der Meer, employee since the start and now co-foreman in the assembly department. With the ink barely dry on his technical school diploma, he went to see Tjip Spinder in 1973 to ask if there was work for him and was told he could start immediately. "Tjip set high standards. Not just for commitment and quality, but also for behaviour. But he didn't go easy on himself either. He was the first to arrive at work at six in the morning

and he would only go home late at night when his wife decided that enough was enough and came to fetch him. They lived next door to the workshop."

Spinder has always responded to developments in dairy farming. As livestock increased, so did manufacturing and the range changed along with the requirements and insights of farmers. Especially in the 70s and 80s of the last century, the period that farmers opted for cubicle systems en masse, Spinder experienced considerable growth.

"Choose Spinder,
choose 100% Dutch quality."



Spinder's growth during the early years was mostly thanks to two good friends of Tjip, who both owned a construction company. They were barn builders and introduced Spinder when the barns they built also needed equipment. When son Pieter took the reins, he made some changes and implemented innovations. This caused a large improvement in efficiency. It was no longer expected that everyone could do 'everything': the work was divided over various departments. After Pieter, who went to Canada to run a farm, Spinder ceased to be a family-run company in 1995 and was taken over by management. The company is still owned by the board.

Production manager Sjouke van der Meer joined Spinder in 1981. Like Dick van der Meer, he has seen many changes within the company: "Highlights, growth, less successful periods, changes to management, product innovation, you name it. But one thing has remained unchanged and that's the commitment of all colleagues to Spinder. Although Spinder hasn't been a family-run business since 1995, it still feels like family here. And just like in 1973, the bar is still set high. Everything that leaves these premises is of absolute top quality. We are proud of that and that's what we work for, together."



spinder
DAIRY HOUSING CONCEPTS

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