

YOUR NEEDS **OUR SOLUTIONS**



2011

IKADAN 

IKADAN – TRADITION FOR FUTURE-ORIENTED THINKING

The name Ikadan is a contraction of Ikast and Danmark. We have steadfastly retained our innovation, development, customer relations, sales and high-tech plastic production at our base in Ikast in the heart of Jutland. Since 1984, we have developed and manufactured flooring and fixtures for state-of-the-art pig housing facilities in more than 40 countries.

With Ikadan, you get maximum value for money, short delivery times and close dialogue with our consultants, all of whom have a thorough knowledge of modern pig production and how best to design modern housing facilities. We think in terms of future needs and can quickly and easily adapt our production of injection-moulded plastic elements to meet new requirements on floor design, pen layout, feeding system and animal welfare.

At Ikadan, we are constantly developing our modern range of flooring systems and pen fixtures, and high-tech fully automated plastic production facilities assure our global competitiveness.



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NEW PRODUCTS 2011

Ikadan Funbar straw dispenser for farrowing pens

Ikadan has designed the new Funbar straw dispenser to meet EU requirements on the provision of nesting, rooting and chewing material in farrowing pens.



Ikadan Funbar straw-pellet dispenser for weaners and finishers

Not only does the Funbar straw-pellet dispenser fulfil requirements on the provision of rooting and chewing material, it also helps prevent undesirable behaviour like ear and tail biting.



NEW PRODUCTS 2011

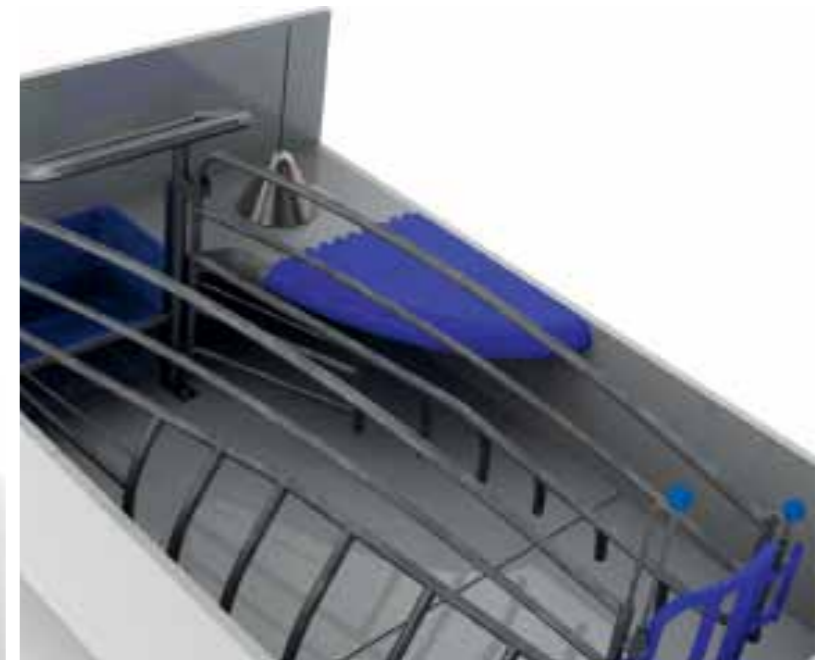
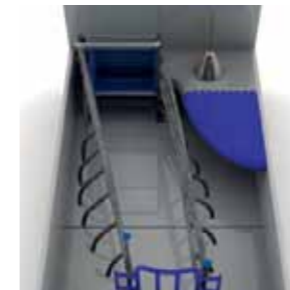
Ikadan Ikamatic+ feed dispenser for weaners and finishers

It is available as a free standing unit or incorporated with the Multiflex panel system.



Ikadan Multiflex farrowing crate

Ikadan has accepted the challenge and designed a farrowing crate that lives up to present-day requirements.



ULTRAFLEX NEW TIMES NEW DEMANDS



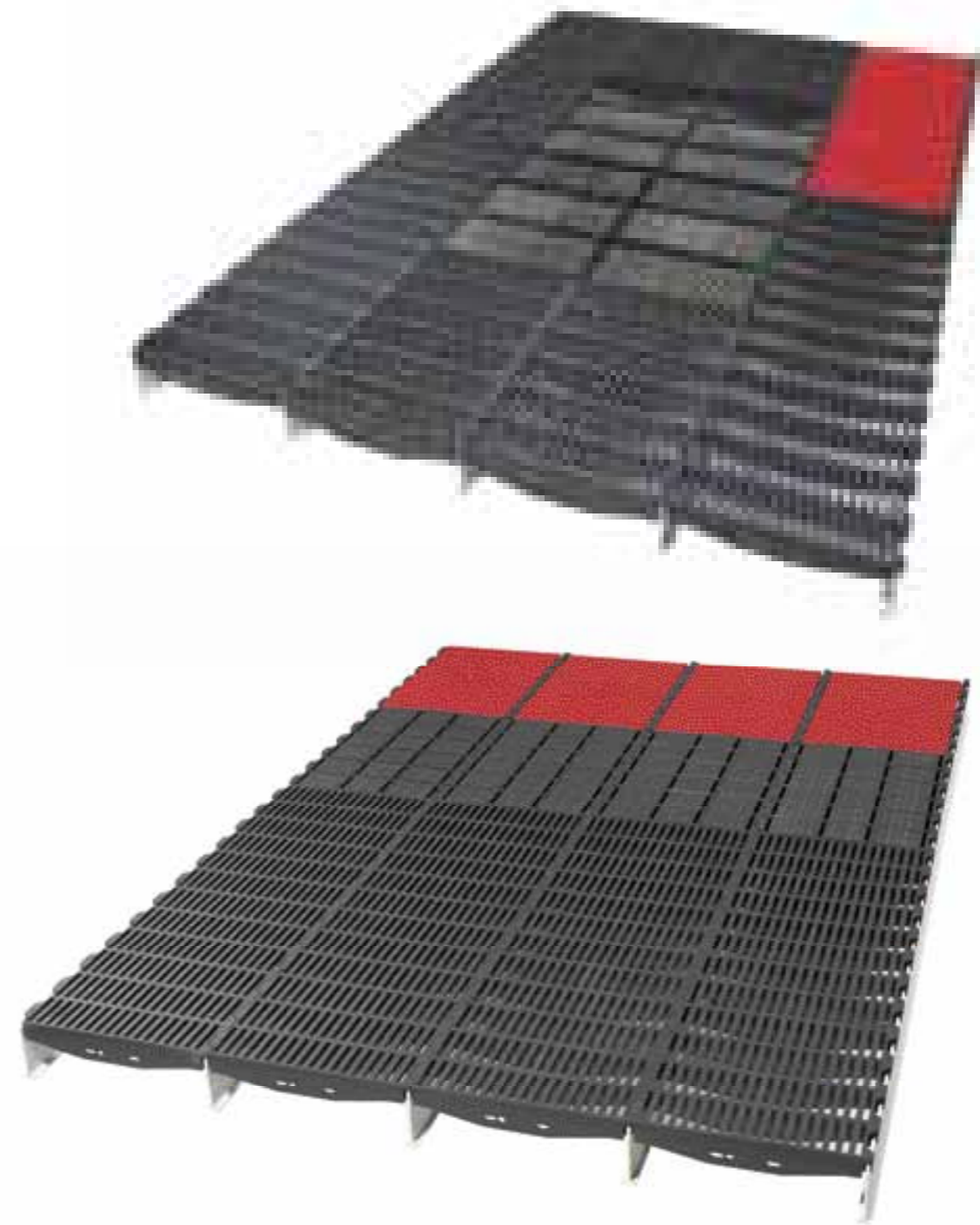
Modular flooring is future-proof

Ikadan has supplied modular flooring systems in plastic and cast iron for more than 25 years. In comparison to many other materials, plastic has proved its ability to withstand the aggressive environments of pig housing units.

In recent years, it has been customary in Denmark to cast a concrete bed and drain the rear part of the pen. This design is, however, not without problems as it is difficult to cast a floor which is capable of withstanding the strain of everyday use and cleaning. Much of floor design today is thus not based on

operational benefits but solely on how the building company can most practically, quickly and efficiently cast a concrete floor.

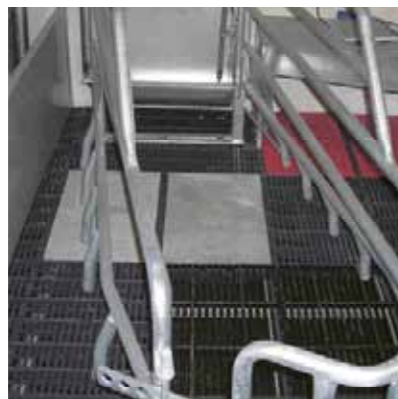
New demands are constantly being made on pen and floor design. That is why Ikadan decided to develop a range of special modules, allowing the required floor to be built by combining modules at will. This solution also allows the floor to be rebuilt or modified should new requirements or wishes arise regarding floor and pen design.



ULTRAFLEX CONCRETE INSET



To provide a more comfortable surface on which sows can rest their shoulders in farrowing pens, we have developed a concrete inset which matches the other elements in the Ultraflex range. We have also extended the broad selection of modules for farrowing pen flooring already available.



ULTRAFLEX RUBBER INSET



Having experienced high demand for the rubber mats we marketed for simply laying on top of the pen floor, we have now developed a special inset with rubber surface. The inset, which measures 60 x 40 cm, matches the other elements and is therefore easily fitted, even in existing pen flooring. It should be noted that rubber has a relatively limited life as it is a very soft material.



ULTRAFLEX HEATING MAT INSET



Ikadan System has developed special heating mat modules for electric or hydronic heat sources.

Heating mats are an investment that quickly pays off thanks to the greatly improved environment they provide and the resultant increase in piglet growth. Heating mats for hydronic heating systems are made of plastic or polymer concrete, a comfortable material for the piglets to walk and lie on.

Heating mat modules have the same size as slatted modules and can be incorporated in the flooring as required. All fittings are made of plastic and are easily installed without the use of tools.

ULTRAFLEX CLOSED ELEMENT



Requirements on flooring systems differ from country to country. Ikadan therefore offers slatted elements and closed elements as well as elements of plastic with 10% open area and closed elements of cast iron.

ULTRAFLEX WEANER SLATS

IKADAN ULTRAFLEX 120 x 60 cm plastic slats.
The 120 x 60 cm slat is available as a fully open grating, with an open area of 10% or with completely closed surface.

Ultraflex slats fit most channel widths.

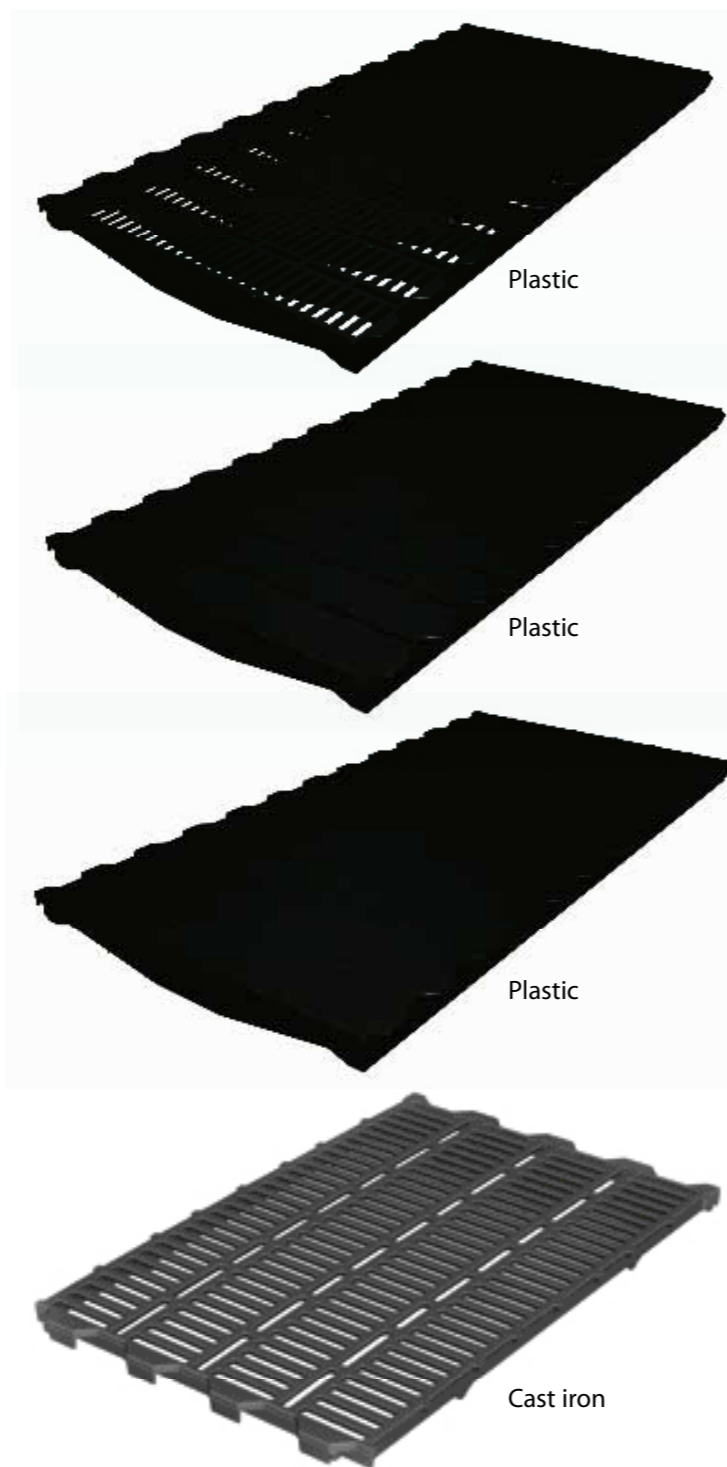
Replace your corroded and rusty slats with plastic ones.

In recent years, many cast iron slats have been imported from China, often with tolerances that fail to meet expectations and in dubious steel qualities with resulting low durability. Steel rusts faster than other materials. Over the last 25 years, Ikadan has sold hundreds of thousands of square metres of plastic slatted flooring. Although it does not last for ever, we have found that plastic flooring has higher durability than other materials in the aggressive environment of pig housing facilities.

IKADAN ULTRAFLEX 40 x 60 cm cast iron slats.

New combination solution for 60 cm slat.

The new 40 x 60 cm element can be combined with Ultraflex 120 x 60 cm slat elements.



SELF-SUPPORTING PLASTIC SLATS

Ikadan's self-supporting plastic slats allow easy replacement of old slatted flooring, of cast iron for example. Rusty flooring can thus be completely abolished. Ikadan's plastic slats are extremely stable as regards shape and dimension and are safe and comfortable for both sows and weaners. The mounts are designed to fit the recess in the concrete or foundation of other materials. Naturally, our self-supporting slats are made in Denmark and therefore meet the strict requirements of the top producers. And last but by no means least, our prices are very competitive and cost-effective in the long term.

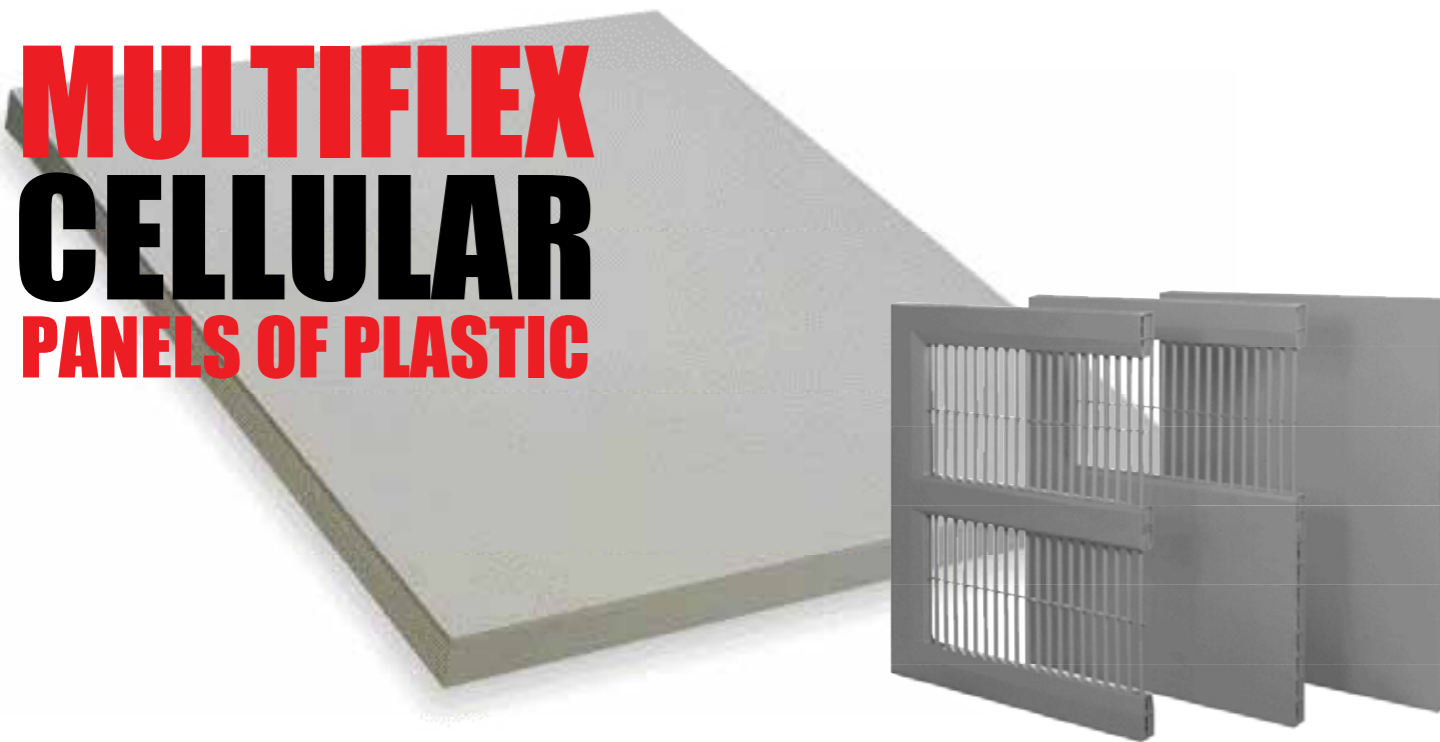


SELF-SUPPORTING CAST IRON SLATS

Complete range of cast iron slats.



MULTIFLEX CELLULAR PANELS OF PLASTIC



A 100% rust-free fixtures solution

The panels consist of moulded elements with cellular reinforcements on their rear surface. The elements are then welded together, cell to cell. Surfaces are thus completely closed on both sides, and the inner sandwich construction makes the panel strong and self-supporting. There is therefore no need for posts. Ikadan Multiflex panels are available as a closed panel or with plastic latticework at the top or both top and bottom. The very open, elliptical latticework panels ensure optimum pen ventilation.

Ikadan Multiflex panels are available in 35 mm and 50 mm thicknesses. In addition, all assembly and gate fittings for 35 mm and 50 mm panels are made of plastic. Bottom brackets are however made of stainless steel.

In future, requirements on pig housing units will focus on functionality, rust-free materials and quick and easy installation. Demands on hygiene and the work environment will become stricter and stricter.

Thanks to our fully automated production facilities in Ikast, Ikadan Multiflex is available at very competitive prices.



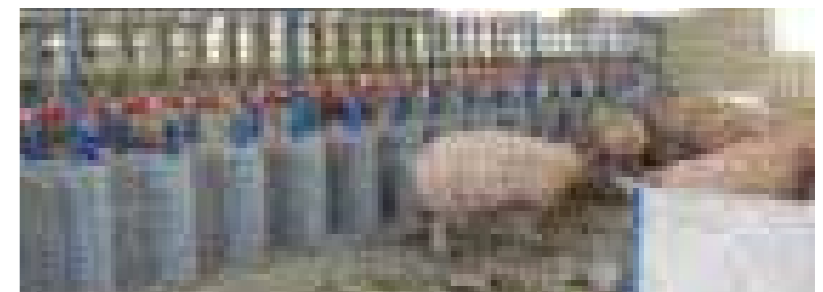
FIXTURES LOOSE PREGNANT SOWS

Advantages:

- Requires minimum space
- Relatively low investment
- Easily adapted to existing housing units
- Highly flexible with respect to group size
- Ideal for sows in oestrus control units where sows are kept in individual stalls

Disadvantages:

- Most suitable for stable groups
- Most suitable if sows are segregated on the basis of size / age.
- Most suitable if the two above-mentioned conditions are met
- Difficult to perform individual feeding
- Weight control is therefore more difficult to practice with this system than with ESF and individual stalls
- Important to have relief pens in the immediate vicinity



The system can easily be used for gestation units with stalls that must be changed by 2013.

FARROWING PEN – WE HAVE ACCEPTED THE CHALLENGE

Average sow weight has increased dramatically over the last 10 years. Sows are now longer and produce a greater number of young. Larger sows, larger litters and requirements for maximum growth rates and optimum conditions for weaning the greatest number of piglets make high demands on the farrowing crate.

Ikadan has accepted the challenge and has designed a farrowing crate that gives the sow more space, allowing it to get up and lie down more easily. The special height and design of the support bar ensure optimum protection of the piglets when the sow lies down. The extra-long outward-bending fingers support the sow and give more room to the piglets while nursing. Thanks to such optimised conditions for both sow and piglets, higher piglet weight at weaning is possible.

Rear gate of farrowing crate

The rear gate has been designed with the focus on achieving the best possible work environment. A guide ensures that the gate can be quickly and easily shut. There are no loose bars which have to be coaxed into place. Instead, the bars are equipped with a plastic handle, fitted at a comfortable working height. The handle is simply released once the gate has been positioned in the guide. The gate can be adjusted to four different widths.



Creep box

The creep box is completely draught-proof. It is made of moulded plastic and has a hole for fitting a heat lamp. The creep box is supplied with a cover, which is simply turned into position. The creep box has easily cleaned surfaces and rounded corners. A door with so-called "doghouse opening" is also available, allowing the box to be opened or closed as required.

Trough

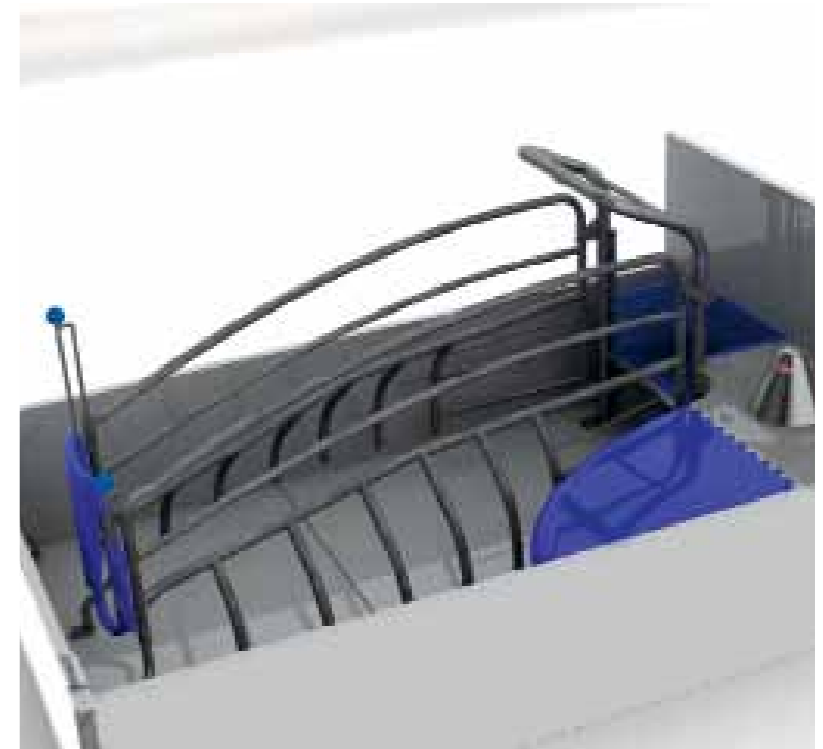
The plastic trough has a capacity of 22 litres. It is equipped with a plinth, so there is no need to cast a costly concrete base beneath it. This allows more room for the piglets, whose creep box can be extended right up to the side of the trough. It also minimises the risk of piglets being crushed or the unhygienic accumulation of feed remains beneath and alongside the trough.

Pen sides

Pen sides consist of Ikadan Multiflex cellular panels. Built-in posts with base plates and moulded creep box supports reduce internal production costs at the factory and external fitting costs on site, thus ensuring optimum solutions at very competitive prices.

Gates

The well-known cleaning opening in Ikadan Ultraflex floors facilitates the removal of excess manure and minimises the risk of manure accumulating along the rear gate of the pen. The pen side design allows the rear gate to be angled. The rear gate consists of Ikadan Multiflex cellular panels. It is equipped with built-in handles at the sides and centre, allowing the extremely light-weight gate to be easily operated with one hand.



RUST-FREE PEN SYSTEM



Plastic materials are becoming more and more popular in modern pig housing facilities. Ikadan Multiflex is therefore the natural choice offering a complete range of fixtures made almost entirely of plastic for loose sow and farrowing pens as well as for weaner, WTF and finisher pens.

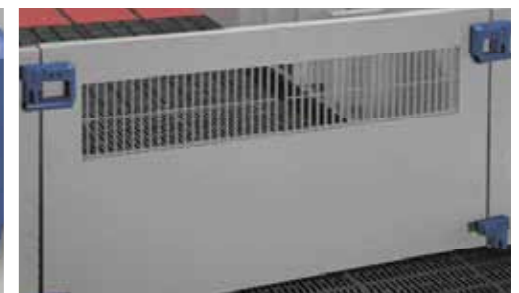
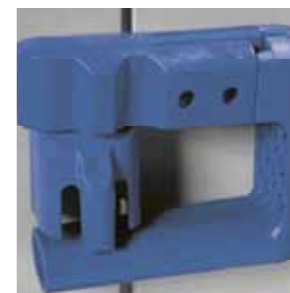


WEANER PEN

Weaner pen with EasyLock or rise/ fall gate

Ikadan Multiflex 35 mm panels are used for weaner pens. Panels are available with fully or partially open latticework, ensuring maximum ventilation within the pens. The panels are also used as covers, providing a light and easily cleaned cover for weaner lying areas.

Gates are available as rise/fall gates or as wide gates which can be opened on both sides/double acting gates.



Designed with 35 mm Multiflex panels.

WTF AND FINISHER PENS

Finisher pen with rise/fall gate

Ikadan Multiflex 50 mm panels are used for WTF and finisher pens. Here too, panels with fully or partially open latticework can be combined at will to meet customer requirements.

Ikadan Multiflex is therefore the natural choice, both for new facilities and for renovation projects. All fixtures are manufactured in our fully automated factory in Ikaan and can therefore easily be adapted to any pen size at very competitive prices.



Designed with 50 mm Multiflex panels.

WET-FEED WALL

Suitable for all pen types, in any systems

Ikadan Multiflex wet-feed walls have 50 mm feed pipes built into the wall. Pipes are angled at 45° to allow quick and easy feed provision. At the same time, the angle ensures an optimum distribution of feed along the entire length of the trough, thus minimising aggressive behaviour and unrest during feeding.

The Ikadan Multiflex wet-feed wall system is supplied pre-assembled and fully welded, and there are therefore no joints or uprights where bacteria can accumulate.



IKADAN IKAMATIC+ FEED DISPENSERS FOR WEANERS AND FINISHERS

Ikamatic+ is designed with funnel and lid of easily cleaned plastic and stainless trough with a plateau for feed beneath the dispensing unit and drinking bowls on either side beneath the drinking valves. The lid is equipped with three feed inlets. Water is supplied through hoses which are led through the panel on one side of the funnel to the bridge above the trough. The dispensing unit above the trough plateau is activated by the pig and releases a pre-set quantity of feed. The adjustment device is located above the lid, allowing the dispenser to be easily set and providing quick visual assessment of the setting.

Ikamatic+ is fitted directly to Ikadan Multiflex pen walls, 35 mm or 50 mm respectively. No lattice structure is thus required. Ikamatic+ is however also available as a free-standing unit, allowing existing dispensers to be replaced with Ikamatic+ no matter the make of other fixtures.



Ikamatic+ as dry-feed wall in Ikadan Multiflex panels.

IKADAN IKAMATIC+ FEED DISPENSERS FOR WEANERS AND FINISHERS

Ikamatic+ feed dispenser for dry-feed walls in weaner pens, built into pen dividers or free standing.



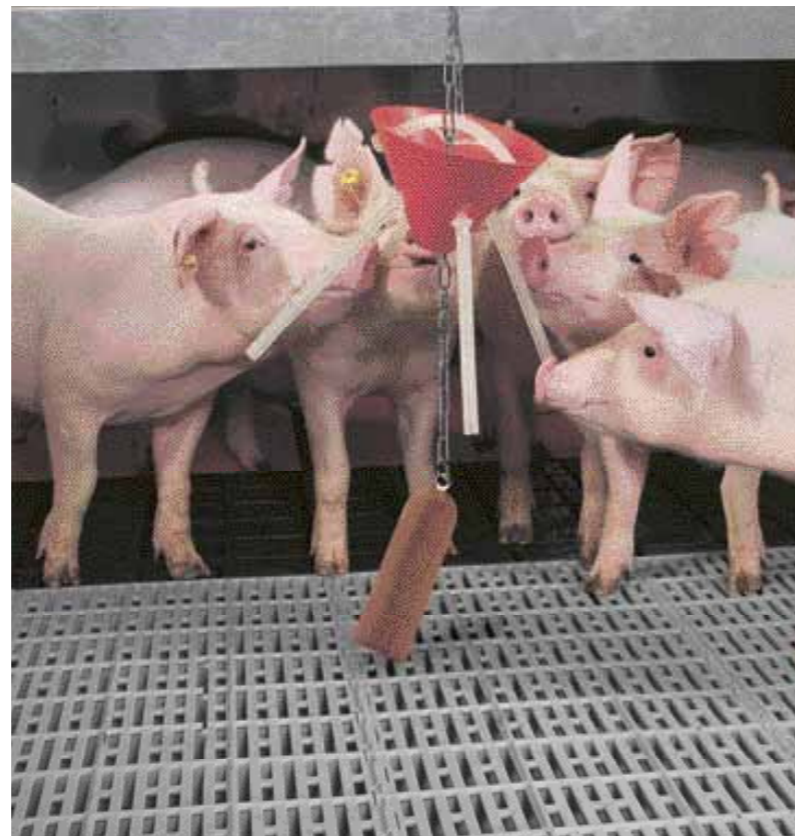
Ikamatic+ feed dispenser for dry-feed walls in WTF or finisher pens, built into pen dividers or free standing.

BITE RITE CHEWING MATERIAL

Bite Rite is a simple yet effective product for keeping weaners and finishers occupied, thus preventing and minimising undesirable behaviour such as tail, flank and ear biting.

Danish legislation concerning the EU directive on pigs' access to rooting and chewing material is now in force. It requires that rooting material shall consist of natural products which can be worked by the pigs and which touch the floor. As sisal rope is an approved and very effective material, Ikadan offers a practical rope holder for Bite Rite.

Ikadan Bite Rite is also available for wood blocks. Two different versions are available: one for weaners, the other for finishers.



IKADAN FUNBAR FOR WOOD BLOCKS

Supplied as a modular unit.

Funbar 2 consists of a simple U-shaped plastic moulding designed to hold a block of wood and be mounted on the pen wall 10-15 cm above the floor. If two or more are required per pen, Funbar 2 can be extended at will.

Besides turning the wood block round and pushing it vertically and horizontally, the pigs enjoy biting the wood. As bits of wood are gradually bitten off, the block drops down through the moulding. It is therefore no longer necessary to spend time and effort using tools to replace chewing material in the middle of a batch.

Constantly available and fresh.

With Funbar 2, personnel need no longer spend time providing fresh chewing material. And there is no need to worry about whether the pens contain enough material. They always do!



FUNBAR FOR STRAW PELLETS

Weaners and finishers

The newly developed Funbar dispensing unit, which is available with or without built-in trough, provides the pigs with easy access to rooting and chewing material. In pens equipped with extended wet-feed troughs, the dispenser can simply be fitted above the trough, into which the pigs themselves can release the pellets. Alternatively, dispensers are available with built-in trough and cover. As the cover is connected to the dispensing unit, the pigs need only lift the cover for straw pellets to be released into the trough.

The cover also minimises the risk of dirt entering the trough.

The dispensing unit can also be fitted to Ikadan's Funbar for wood blocks.



Straw-pellet dispenser above wet-feed trough.

Straw-pellet dispenser for release to floor or wet-feed trough.

Undesirable behaviour

Most pig producers occasionally experience undesirable behaviour in their herds, culminating in tail and ear biting and other behavioural vices which impair animal welfare and reduce profits. The use of straw or straw-pellet dispensers minimises the risk of such behaviour. If other solutions are used or if Funbar straw-pellet dispensers are not installed in all pens, it is advisable to have several dispensers ready for use as undesirable behaviour must be tackled immediately.

Pellets are dispensed when the pigs open the cover with their snouts.

Straw-pellet dispenser with trough and cover.



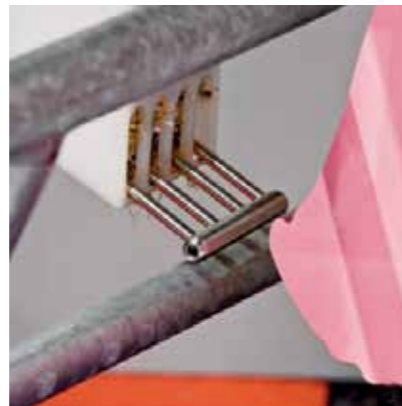
FUNBAR STRAW FARROWING PENS

Nesting material

Rooting and chewing material

Funbar has been redesigned and can now also dispense finely chopped straw. Sows can thus be given easy access to nesting material as well as rooting and chewing material. When the sow pushes the dispensing unit upwards, a pre-set amount of straw is released. Activating the dispensing unit keeps sows active and they are rewarded with nesting and rooting material in the form of straw.

EU legislation stipulates that sows must have access to nesting material in the week up to farrowing and to rooting and chewing material thereafter.



The dispensing unit is activated by the sow

Funbar straw dispenser



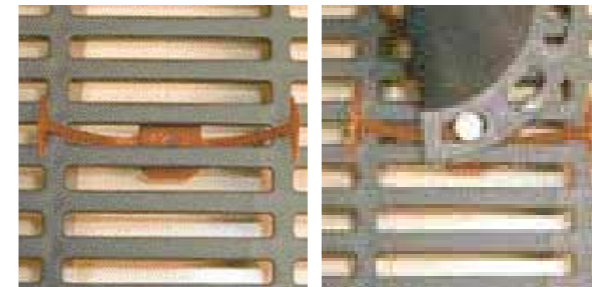
SMART FASTENER

Save time with Ikadan Smart Fastener

With Ikadan Smart Fastener, it is possible to fit fasteners for fixtures and other equipment from above without the need for holding tools.

Much time can thus be saved during fitting work. Ikadan Smart Fastener consists of a nut embedded in a reinforced plastic anchor. Ikadan Smart Fastener comes complete with stainless steel washer and round-headed bolt.

Ikadan Smart Fastener for plastic gratings requires that slats are spaced 10 mm apart.



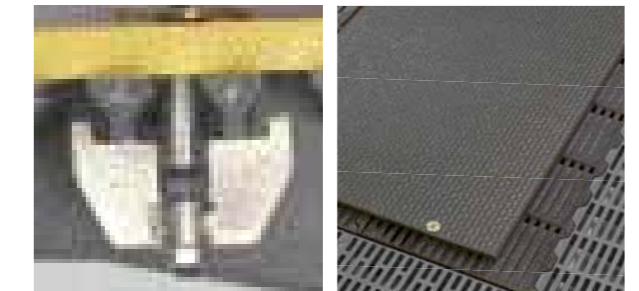
QUICK LOCK FASTENERS RUBBER MATS

Ikadan QuickLock and Ikadan rubber mats make it much easier to combat incipient shoulder injuries in farrowing pens.

With Ikadan QuickLock, mats can be fitted or removed in less than a minute per pen.

QuickLock fasteners are also ideal for numerous other uses:

- attachment of boards in lying areas
- attachment of protective matting
- attachment of boards alongside feed troughs



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