



# A comprehensive pig housing system

The complete package from Prüllage



Prüllage Systeme



# We make systems flexible.

- housing systems
- feed systems
- air conditioning
- weighing
- management

The key to economic success for any livestock farming enterprise is healthy, high-yield animals. However, their well-being is dependent on many factors.

This is why Prüllage offers complete housing solutions for pig farming. We take care of every single ingredient for success, down to the smallest detail. We provide and fit housing, feed technology, air conditioning, feed storage and electrical engineering. All components are designed to work together and be centrally controlled.

You won't find any off-the-shelf systems here. We develop solutions to best suit you, your animals and the demands of your business.

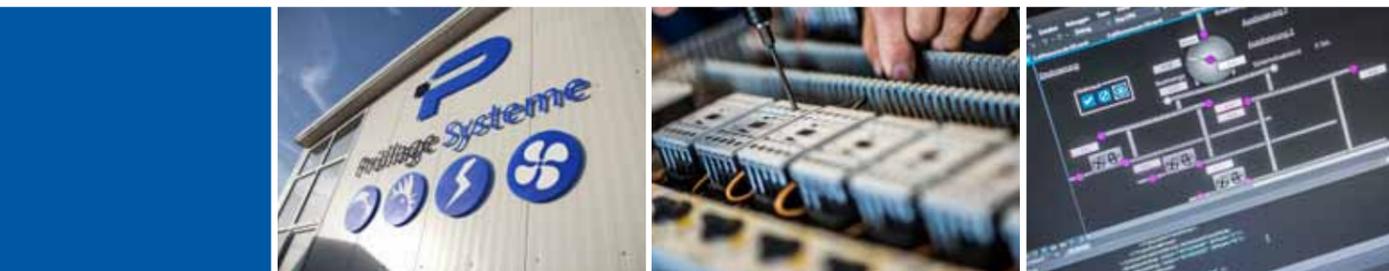
Our team of professionals will guide you from your first consultation to build completion and into the future. Your one-stop shop .



Brothers Heinz and Josef Ludger founded Prüllage Systeme GmbH in 1989. At first, their main focus was on selling animal housing. Later, the business expanded to include a team of in-house technicians, meaning that today we are able to offer complete animal-housing solutions down to installing the electrics.

Meanwhile, the automation arm of the business was also developed. Not only do we have agricultural clients, we

also now have industrial and public-sector clients. The facility we work from today in Holdorf was constructed in 1998. The site measures 20,000 m<sup>2</sup> and comprises five warehouses and 800 m<sup>2</sup> of production floor. This provides the space to implement client requests on any scale. Today, Prüllage Systeme GmbH employs over 75 people.





# The starting point for optimum piglet production

## The Deck

The deck is the starting point for the production of healthy, live piglets. Many factors must come together for good deck results.

Optimum deck conditions can be achieved using Prüllage Systeme's enclosed stalls. Kept close together in the pig housing, every individual pig can be carefully monitored. The stalls are narrower at the back for easy access to the animals, making artificial insemination simple. The boar gates keep the boar in a controlled area to stimulate the sows during insemination. A lever mechanism makes these gates simple to operate from the rear of the stalls. The saloon doors open in both directions, easily allowing sows into and out of the enclosed stalls. The stainless steel feet can be rotated through 360° to facilitate assembly on a concrete slatted floor.

All sows are fed simultaneously using a volumetric filler, avoiding aggressive behaviour at feeding time. Drinking water is provided using a nipple waterer or AquaLevel. This keeps the animals well supplied, maintaining optimum deck results.



Crate Classic

Crate with basket

Crate Free/Move



Boar-Restraining Door



Boar Pen





# Group pens or gestation crates

## Gestation Stall

Prüllage Systeme's gestation stall can be set up with either group pens or traditional enclosed stalls according to client preference.

### Group pens

Group pens hold six to ten sows in groups. They do not feature enclosed stalls or dedicated individual bedding spaces. A volumetric filler releases feed into a long trough, which may be fitted with dividers according to client preference. Keeping pigs this way allows them to move freely, have social contact and behave naturally. These groups are also easy to monitor, particularly at feeding time.

### Gestation crates and free-access stalls

Gestation crates or free-access stalls could also be used in the gestation stall. Clients can choose from saloon doors, cages or a self-catching mechanism on the enclosed stalls. The new self-catching device closes the gate when the sow enters the stall and opens it when she wishes to leave. This way, the sows move freely in the group but feed in an individual enclosure with no distractions and protected from other sows.

Group Pens



Crate FreeMove

Electronic sow feeding station Fidos





Farrowing pen Classic

Farrowing pen with feet

Farrowing pen FreeMove

8 | This is because the first weeks of life are the most important!

Farrowing

Farrowing is another important factor in successful piglet production. The farrowing pens must therefore provide optimum conditions for the piglets and the suckling sow. Prüllage Systeme has covered every eventuality with flexible farrowing pens which can be individually adapted for each customer to meet the needs of his or her animals.

Prüllage's housing system features profiled PVC boards and stainless steel posts to separate the pens. The flooring is composed of plastic slats to allow manure to pass through easily, and has no sharp edges or corners which could injure the young piglets. This flooring system is highly flexible, also in combination with closed slats, cast-iron slats and heating panels so that we can create the right floor for any requirement.

The farrowing enclosures provide optimum stability for the sows and can be arranged straight or diagonally according to requirements. A variety of feed- and water-provision solutions for sow and piglets top off the farrowing system, ensuring health and safety in preparing them for the rearing stage.



Floor Systems



Equipment

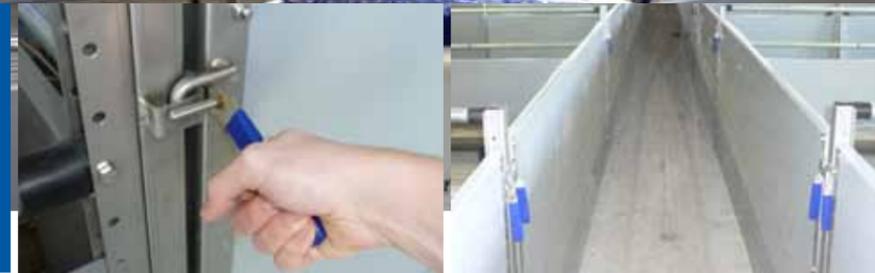


# Flexible animal-housing systems

## Housing Systems

Prüllage Systeme manufactures pig housing systems for farrowing, rearing and fattening. They can be individually adapted on site for almost any situation and to meet client requests. This means we can implement the best possible housing system for every pig and every client request.

Prüllage Systeme's animal-housing systems are made from 1.5 mm or 2 mm stainless steel posts and 35 mm profiled PVC boards. The boards are completely made from rigid plastic for optimum stability. They are smooth on both sides, available from 50 cm to 100 cm in height and can be cut to measure. This means that each partition is made from a single profiled PVC board, completely closed and smooth to facilitate fitting and ensure the best hygiene. Galvanised steel pipes are used to create contact points between pens for animal well-being and stability within the group of pigs.





# A huge choice of automatic feeders

Feeders

Prüllage Systeme can provide the right automatic feeder to meet any customer requirement. Customers can choose from Prüllage's own automatic mash feeder, the PigsFeeder; ROXELL's high-quality Blu'Hox; or the simple automatic option for dry feed, the DryFeeder.

The **PigsFeeder** automatic mash feeder is designed for optimum provision of feed and water to rearing and fattening pigs. Mash feed is dispensed into the feed trough and drinking water into a separate drinking trough.

The round trough bowl on ROXELL's **Blu'Hox** ensures the animals have optimum access to the feed. The specially shaped polymer concrete trough features a step to allow easy access to the feed even for small piglets from 5 kg up.

The **DryFeeder** is available in several different sizes, differently equipped and for farrowing or fattening. The customer can choose the single- or double-sided option with one to six feeding spaces. The DryFeeder also optionally comes with water provision.

PigsFeeder



PigsFeeder PLUS

Blu'Hox/Blu'Hox<sup>plus</sup>



DryFeeder

# It's the best dry-feed system you've ever seen!

## Dry-Feed System

Dry feeding has been one of Prüllage Systeme GmbH's core competences for many years. Most of our components are developed and manufactured in-house, meaning we can quickly adapt and optimise our system for animal welfare and efficient feeding, the current demands on the market. We guarantee the highest quality and best operational safety.

It's not just hardware at Prüllage. We also specialise in management software and technology. We are setting a new benchmark in computer-managed dry feeding with our PR Farm Control system (PR-FC V2 for short). Decades of development and in-house programming have achieved feed management far superior to that offered by our competitors. It uses a robust and reliable commercial control system and is based on the latest version of Windows 10.

Our weighing and mixing technology allows the farmer to programme an unlimited number of feed mixes. The sophisticated conveyor technology ensures minimal feed waste and reduced feeding time. Feed mixes can be individually adapted for each feeding space accounting for breed, age and market demand.



PS-Auger



PS-Chain



Dos 7



Control



## Computerised Dry-Feed System





# Liquid feed that is going well!

## Liquid Feed System

Prüllage's PR-F-Matic liquid feed system offers the farmer a flexible and professional feeding facility for sows, piglets and fattening pigs. All facilities can be individually adapted for the customer to best cater for any animal population. Liquid feed is most often used when the feed components include, for example, whey, residues from the food industry, CCM or maize silage. Prüllage offers a variety of liquid feed processes which can be individually adapted according to customer needs and preferences.

The basic components in a liquid feed system are containers to hold the feed once weighed out, a fresh-water reservoir tank, a water pump, silos and provision for further components such as feed valves. A service water tank is also required for non-residue feeding. Prüllage uses only the highest-standard components, adhering to the latest quality standards.

The liquid feed system is managed using PR Farm Control software (PR-FC V2 for short). This way, the farmer has access to the entire farm management system by Prüllage Systeme, running all facilities in the animal housing through one software program.



Feed Kitchen



Feed Valves



Feed Trough



Feed Intake



## Computerised Liquid Feed System



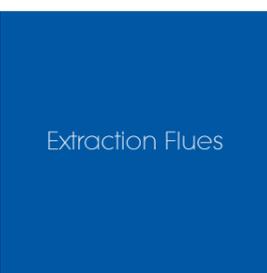
# It's all about the right ventilation!

## Ventilation

The ideal ventilation system has to be designed for the individual building. No standard design can guarantee an optimum supply of fresh air.

That is why Prüllage Systeme offers a variety of ventilation systems which can be adapted to meet any particular needs. The design of a ventilation system depends on several factors and the interplay between them, such as the size of and height of the building, air temperature, season and more. These factors greatly affect the ventilation system and need to be considered at the planning stage to achieve an optimum flow of fresh air for the animals.

This is why Prüllage Systeme GmbH offers a range of air-supply and extraction concepts which can be adapted to each animal-housing situation. Prüllage is equally able to install ventilation systems in new and existing animal-housing systems.





## It's easy to record animal weights

## This is how you mix your own feed!

### Livestock Scale

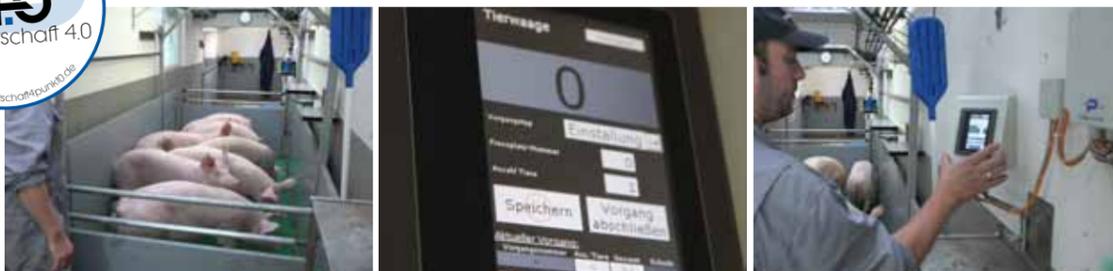
### Grinder-Mixer Controller

Prüllage Systeme's group livestock scale allows the farmer to capture exact data on weight and weight gain. Its modular construction means it can be installed anywhere.

Prüllage Systeme's new MMC grinder-mixer controller will enhance your dry or liquid feed system. It simultaneously controls the whole grinder-mixer system and centrally manages which feed systems need replenishing (up to four feed systems can be fitted with an MMC). This way, partial data from all feed stations is collated and storage is centrally managed.

Using the scale alongside the PR-FC WEIGHING , it is possible to capture weight data, process it and send it directly to the PR-FC V2 farm management software. The PR-FC SMART touchscreen allows the farmer to assign a weight to a section or feeding space while still at the scale. These assigned weights are then used by the PR-FC V2 to regulate feed and air conditioning based on the animals' weights. Routine weigh-ins of individual groups mean that weights are automatically checked and corrected. When the animals are turned out, the weights of individual groups are collected again and updated in PR-FC V2. Sales of animals and their live weights are also captured by the software, facilitating an exact product costing analysis of individual groups of animals.

The new MMC grinder-mixer technology can, of course, be fully integrated into the PR-FC NETWORK and managed from the housing computer. Our 'Agriculture 4.0' network technology means the grinder-mixer system can also be run and monitored from a smartphone, tablet or home office.



How about a app, which downloads the current weather forecasts, to realizes automatically bad weather and reminds you to close your air inlets?

**The WEATHER APP**



How about a app, which integrates a camera system directly in your animal-housing management and is accessible by PC, Tablet and Smartphone?

**The CAMERA VIEWER**



How about a app, which records all of your consumption in detail and gives you an easy and clear analysis of every costs in your stable?

**The COST REPORT**



Further apps you will find on [www.landwirtschaft4punkt0.de](http://www.landwirtschaft4punkt0.de)



# One program for everything!

## Management

Prüllage Systeme's **PR-FC NETWORK** connects all devices in the animal housing. This means that feeding, air conditioning, weighing technology, grinder-mixer, etc. can all communicate. And not only within a single building. The PR-FC NETWORK connects all buildings and facilities, whether near the farmhouse or further out.

The PR Farm Control Version 2 (**PR-FC V2** for short) is at the core of the PR-FC NETWORK. All devices can be controlled via a single program using the PR-FC V2 and data from all of them is synchronised. For example, the weights captured from the group livestock scale can be directly applied to feed settings, air conditioning, holding register and cost calculations.

There are practically no limits to what the PR-FC V2 can do through the **Prüllage Server**. It does more than just collate data. You can also make information available online for remote access with any device (even tablets and smartphones). All settings and management data can be stored in the cloud via the Prüllage Server for maximum data security. Our service interface allows the farmer to access documentation and support from our service technicians, directly contact Prüllage customer service and download software updates, all via the Prüllage Server.

Using the **Extension-App Platform**, individual programs (known as apps) and functions can be integrated directly into the PR-FC V2. This means the customer can adapt and expand the Farm Control system to meet his or her own needs. The apps are available for download in our PR-FC STORE.

With 'Agriculture 4.0', we're making the future of animal-housing management a reality today!





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