

Simple/Reliable/Green/Efficient

Home

Para

System

Alarm

大牧人
Big Herdsman

Maintank6

Maintank5

Maintank4

Maintank3

Maintank2

8#

7#

6#

5#

4#

3#

2#

1#

FARM FEED CONTROL SYSTEM

A new feeding system featuring PLC, digital weighing, and feed line systems for precise feed distribution, supporting accurate feed-to-meat ratio assessments and detailed management.



WEBSITE

 bigherdsman@bigherdsman.com

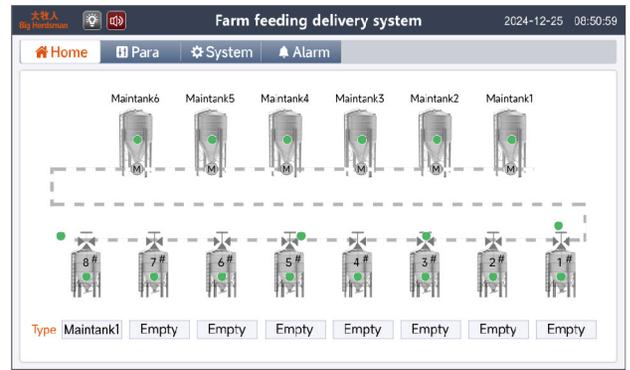


BIGHERDSMAN

PIG PRODUCTION

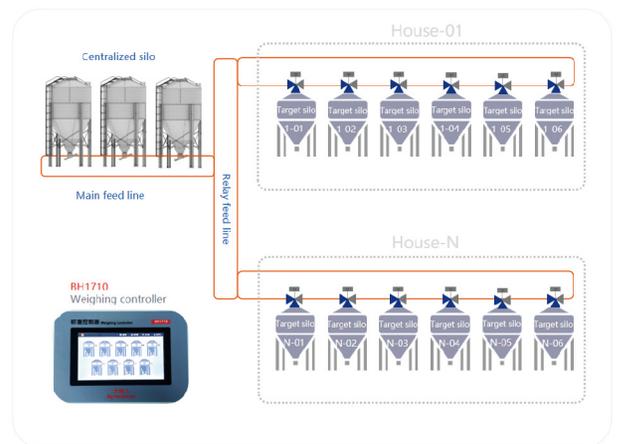
Feeding Function

- The system can be started with one click to achieve automatic feeding
- Automatic cleaning system to avoid feed residue, mixing, blocking
- Alarm information can be queried



Feeding Advantage

- Fully automated feeding technology minimizes labour and resource expenditure.
- Standardized procedures and centralized control ensure high fault tolerance.
- Enhances biosecurity by preventing disease spread, such as African swine fever.



AUTO FEED



TIMING FEED



HISTORICAL DATA TRACING



BIG HERDSMAN MACHINERY(JIAOZHOU) CO.,LTD

Add: Shangde Avenue and Huanghe Road Intersection, Jiaozhou Economic and Technological Development Zone, Qingdao City, Shandong Province, China

Tel: +86-532-6696 2297 / +86-532-5850 3988

Website: www.bigherdsman.com



SCAN QR CODE ON WECHAT

Simple/Reliable/Green/Efficient

大牧人
Big Herdsman



FEEDING SYSTEM

The feeding system can provide pigs with sufficient and clean feed in a convenient manner, mainly including a feed doser, a sow feed trough, a nursery feed trough, etc.



WEBSITE

 bigherdsman@bigherdsman.com



PIG PRODUCTION

FEEDING SYSTEM

Pneumatic Feed System

With high speed low pressure air as the power source, through the pipeline transportation mode, the centralized storage of feed according to class, according to the amount, on time to each designated target location. It is mainly composed of weighing system, pressurization system, air off unloading device, conveying pipeline, reversing valve, gas and material separation control system.

Technical Description

- Long conveying distance, 500 meters/set.
- Fast conveying speed, conveying speed up to 14t/h.
- Transportation is not restricted by terrain, can be arbitrary turn and climb.
- Closed transportation, no pollution, no residue, no biological safety risks.



Product Parameters

Type	Delivery distance	Delivery capacity	Booster pump power	Feed unloader power	Pipe diameter	Wall thickness
89	500m	2-8t/h	37kW	0.75kW	Φ 89	3
108	500m	4-12t/h	45kW	0.75kW	Φ 108	3.5
125	500m	6-14t/h	55kW	1.5kW	Φ 133	4



CONCENTRATED SILO GROUP



MAIN UNITS



TARGET SILO

FEEDING SYSTEM

Auger Feed Line

- The motor drives the coil spring packing auger to rotate and drives the feed to be transported in the closed pipe. The feed is delivered to the feed doser, feeder and other feeding units through three-way feed drop at the designated location. The feed sensor is set at the end of the feed line to automatically control the opening and closing of the driving motor to realize automatic feed.
- The auger feed line has such specifications as 60" , 75" , 90" and 125" .

Technical Description

- It has simple and reliable structure, imported augers from abroad, and Italy Transtecno motors, with stable operation and low failure rate.
- Conveyed in one-way manner, no need to form a loop, convenient for installation.
- According to different product specifications, feed delivery can reach 0.6 t/h ~ 5.5 t/h.
- The conveying distance of a single feed line is 25m~100m, and long-distance conveying can be realized by relay.



Product Parameters

Specification of auger feed line	125	90	75	60
Feed pipe diameter (mm)	Φ125	Φ90	Φ75	Φ60
Wall thickness of feed pipe (mm)	4.8	4.3	3.6	4.0
Feed pipe material	PVC	PVC	PVC	PVC
Motor power (kW)	1.5	1.1	0.75	1.1
Feed capacity (kg/h)	5500	3000	1400	600
Outside diameter of auger (mm)	95	70.5	60.5	42.8
Screw pitch of auger (mm)	66	65	60	40



Chain Disc Feed Line

- Large delivery capacity, the maximum delivery capacity of 160 chain pan system can reach 15t per hour.
- Long delivery distance, 60 chain pan system, maximum circulation distance of 480 meters /4 corners/unit.
- Complete specifications, to meet the needs of customers under different circumstances of feed amount, at the same time through the feed line relay to achieve customer's complex feed line layout.

Feed line specification	60	100	160
Delivery capacity (kg/h)	1500	5000	15000
Material	Reinforced nylon		
Motor power (kW)	1.5/2.2	4.0	9.2
Man delivery distance (m)	420/480	400	240
Outer diameter (mm)	42	75	120
Pan pitch (mm)	70	92	144
Density (kg)	1800	5000	10000
Displacement force of pan (kg)	250kg	600kg	1000kg

DL6 Feed Doser

Suitable for 60 chain-disc feed line, with transparent feed doser and fixed throat band, and the maximum feed storage capacity is 6L. which can meet the need of feeding once or twice a day. Anti-loss dosing cover, with its own clamp which can be used to hang a sow information card.

- Material: pp
- Volume: 6L
- The adjusting scale: 0.1L, minimum volume: 1L



Sow Feeder, Free Feeder

It is used in farrowing houses, sows can eat freely and reduce the waste of feed, which can be matched with three-way feed drop pipe or feed doser connection mode.



Stainless steel free feeder



Product Parameters

- Composition of plastic sow feeder: main body: nylon, transparent tube: PVC material, retaining plate hot galvanized, the volume: 6L.
- Composition of stainless steel feeder: stainless steel 304; the fixed part made of stainless steel 304, equipped with blue pp silo with a volume of 10L.
- Flexible and easy to use.



Plastic sow feeder

BIG HERDSMAN MACHINERY(JIAOZHOU) CO.,LTD

Add: Shangde Avenue and Huanghe Road Intersection, Jiaozhou Economic and Technological Development Zone, Qingdao City, Shandong Province, China
Tel: +86-532-6696 2297 / +86-532-5850 3988
Website: www.bigherdsman.com



SCAN QR CODE ON WECHAT

Simple/Reliable/Green/Efficient

大牧人
Big Herdsman



SMART FEEDING SYSTEM FOR SOWS (ALL STAGES)

Covers the entire lifecycle of sows, achieving precise feeding.



INTELLIGENT
PRECISION FEEDING



BIND EACH SOW



INTELLIGENT
DATA ANALYSIS



WEBSITE

 bigherdsman@bigherdsman.com

 **BIGHERDSMAN** 

PIG PRODUCTION

Technical Description

- **Universal Application:** Suitable for all stages of sow feeding, including gestation and farrowing pens.
- **Large-Capacity Hopper:** 8L storage capacity with enlarged discharge port to ensure smooth feed flow and prevent clogging.
- **High-Precision Feeding Control:** Hall motor with ADCS algorithm achieves $\leq 1\%$ feeding accuracy and adaptive dynamic calibration.
- **HD Human-Machine Interface:** Features a 2.42-inch OLED display for clear data visualization and extended lifespan.
- **Remote Firmware Upgrade:** Integrated OTA functionality supports one-click remote upgrades for feeding programs.
- **Dual Feeding Modes:** Switch between dry and wet feed modes flexibly to adapt to farming requirements.
- **Smart Data Management:** Real-time collection of individual feed intake, water consumption, and farrowing days. Data is uploaded via IoT for cloud analysis, generating multi-dimensional visual reports.
- **Intelligent Feeding System:** Sows autonomously trigger feed dispensing through sensors, enabling precise feeding management.



Pig house name	Feed trough No.	Bar marking	System state	target	Feed intake(g)	Feed intake percentage(%)	today	Drinking amount(L)	yesterday	Feed intake(g)	Operation
台猪1-4单元	04-01-010		Enabled	2000	80	3.90	3168		3168		Details
台猪1-4单元	04-01-012		Enabled	2000	80	3.90	3176		3176		Details
台猪1-4单元	04-01-009		Enabled	2000	70	3.50	2500		2500		Details
台猪1-4单元	04-01-012		Enabled	2000	78	3.90	3136		3136		Details
台猪1-4单元	05-02-012		Enabled	2000	70	3.36	2816		2816		Details
台猪1-4单元	05-01-004		Enabled	2000	70	3.36	2816		2816		Details
台猪1-4单元	04-04-005		Enabled	2000	77	3.85	3080		3080		Details
台猪1-4单元	07-01-013		Enabled	11400	76	3.74	8760		8760		Details
台猪1-4单元	05-02-013		Enabled	2400	73	3.04	2272		2272		Details
台猪1-4单元	04-01-003		Enabled	3000	71	2.34	2052		2052		Details
台猪1-4单元	04-02-007		Enabled	3000	71	2.34	2052		2052		Details



BIG HERDSMAN MACHINERY(JIAOZHOU) CO.,LTD

Add: Shangde Avenue and Huanghe Road Intersection, Jiaozhou Economic and Technological Development Zone, Qingdao City, Shandong Province, China
 Tel: +86-532-6696 2297 / +86-532-5850 3988
 Website: www.bigherdsman.com



SCAN QR CODE ON WECHAT

Simple/Reliable/Green/Efficient

大牧人
Big Herdsman

Version
2.0!!!



EAT WITH
LESS FEED CONSUMPTION

Ultra saving

Effectively reduce
feed to meat ratio

Grow fast

Shorten the number
of days in the column

Intelligentize

24 hours fresh porridge

BH1860 SMART PORRIDGE FEEDER

Automated feeding equipment provides fresh porridge
feed for nursery and finishing pigs.



WEBSITE

✉ bigherdsman@bigherdsman.com



PIG PRODUCTION

Technical Description

- Automated feeding equipment providing fresh porridge feed for nursery and finishing pigs .
- Interactive feeding design with probe and touch double-rod drop structure.
- Intelligent feeding curve control with real-time data upload to the cloud.
- Freely adjustable water-to-feed ratio and empty trough time for enhanced palatability.
- Comprehensive fault alarm functionality and IP67-rated protection supporting high-pressure washing.
- Covers feeding stages from nursery to finishing pigs (6-135 kg).



Product Parameters

- Feeding stages: Nursery to finishing, 6-135 kg.
- Feeding capacity: 60 pigs per unit.
- Dimensions: 1300x760x660 mm.
- Hopper volume: Effective capacity 125L (~80 kg).
- Electrical parameters: 24V 80W motor, 220V-24V 150W power supply.
- Control system: IP67-rated controller with V0 flame resistance.



BIG HERDSMAN MACHINERY(JIAOZHOU) CO.,LTD

Add: Shangde Avenue and Huanghe Road Intersection, Jiaozhou Economic and Technological Development Zone, Qingdao City, Shandong Province, China
Tel: +86-532-6696 2297 / +86-532-5850 3988
Website: www.bigherdsman.com



SCAN QR CODE ON WECHAT