



asserva
AUTOMATISMES EN ÉLEVAGE



Intelligent Farrowing feeding / water system

With Materneo feeding system, Asserva extends its Selffeeder concept for lactating sows. The objective: prepare the animal for its next farrowing, improve its lactation and eliminate the food waste.

With a pneumatic dispenser which measure feed with a wheel, each portions is delivered in small doses (100 to 200g) according to the appetite and the ingestion rhythm of the animal. With TIT System (Trough Inspection Technology) in the bottom of trough allow to distribut the feed when they detect that the trough is empty.

Thus, the sows eat at their own pace and appetite according to their feeding curve - with no wasted feed. Each dose is delivered with a water dose. Between the meals, water distribution curves are programmable.

The daily water portion is also delivered with small quantities. Thus, the sow has always fresh water in the trough. These elements encourages the sow consumption and lactation.

But, Maternéo system doesn't stop here and can even go further. It is also possible to control supply silo and detect the farrowing with a special camera. Materneo is a global concept for farrowing management.

- **Performance**
An Individual & evolutive feeding plans following the needs of each sow.
- **Control**
Manage feed and water distribution personalized with precise doses.
- **Suitable**
A Feeding distribution get used to each sow consumption rhythm.
- **Economic**
No feed wastes (Save until 800 gr per sow per day).
- **Evolutive**
Programmable & evolutive dilution rate.
- **Wireless**
Maternéo app available to control and to check the system via smartphone.

FARROWING MANAGEMENT



BETTER FEEDING MANAGEMENT FOR FARROWING SOWS

The wheeled feed dispenser with actuator guarantees precision and reduces maintenance. The warming light shows that the sow is in consumption alert. The threshold can be adjusted by the breeder and can be seen immediately without needing to use a computer.



FEEDING AND WATER CONTROL

The trough is equipped with TIT system (trough inspection technology). It dispenses the next dose of feed only if the previous dose has been eaten: no waste, clean troughs and less frequent cleaning required.



BETTER MANAGEMENT WITH PERFORMANCE DATA BASE

The entire Maternéo system can be connected to a smartphone or tablet via Internet. The farrowing rooms can easily be monitored remotely. The gestating sow's data is directly transferred to farrowing file.



TIT[®]

Trough Inspection Technology
By Asserva

The TIT System (Trough Inspection Technology) allows to control precisely the water and feed consumption and distribution but also water only.

This unique process developed by Asserva it totally adapts to the sows rhythm.

With TIT System, no more feed wasted and troughs to clean !

Wet meal



Wet meal with individual dilution



Feed consumption increasing by due to wet distribution 7 to 12 %

Close & Cole, 2000, Lalwar & Lynch, 2007

Distributions of the right doses



Small and fresh feed distributed. Attractive and appetizing meal all time.

Distribution following the sow consumption rhythm.



A greatest sow welfare reducing the stress for a better feed consumption.

Individualized and automatic control of the water distribution Available 24/7.



Only fresh water available Water consumption growing. During the hot period the fresh water :

Drinking water



Distribution of the right water quantities according to the needs

**+ 40% water consumption
+ 20% feed consumption
+ 9% weaning piglet weights.**

Jeon H. et al. Livestock Science 105

**No feed waste / water reduced by 600gr to 800gr per sow per day.
Increase the efficiency of the farmer time.
Reduce the pathogen transmission.**