TEAM® Electronic Sow Feeding System

TEAM ESF
Key to Unlocking Osborne’s All New...
Freedom to exercise, freedom to choose eating schedule without feeding anxiety or aggression, and better control of sow condition means sows are docile, easy to approach and less stressed when compared to animals kept in gestation stalls or small pens.
Electronic Sow Feeding (ESF), used with RFID, allows individual sow management without individual sow confinement. ESF assists in the total reproductive management of gestating, farrowing, and unbred sows and gilts.

Successful electronic group management requires the adoption of a complete and proven system. The system includes the equipment, the facilities (whether new or existing), layout design, training and sow management methods. When properly managed, research indicates KPIs (key performance indicators) are equal to or better than traditional gestation stall systems.

Today, the investment in ESF equipment is less expensive when compared to traditional crated systems, and proper facility design requires less area per animal. The requirement for animals to have the ability to freely move around is becoming more mainstream as consumers and activists demand a more humane way of animal management. Many states and companies have required the end of gestation crates.

*ESF is the answer when group housing is needed and individual animal care is desired!*
TEAM workstations read an RFID tag on an individual animal and perform specific “chores”. Pictured above is the TEAM G-station that automatically feeds gilts and sows the right amount of feed at the right time.

RFID technology is the heart of the Osborne TEAM System. Each animal is uniquely identified with an RFID tag.

The RFID tag of each animal identifies it to a workstation. Pictured above is the TEAM G-station which dispenses the correct amount of feed for an individual animal.

To learn more about Osborne’s TEAM ESF System, call us today!
Osborne’s TEAM® System is one of the world's leading Electronic Sow Feeding Systems. Nearly a quarter century ago, Osborne began studying animal behavior in group managed systems. The decades of research and continual product improvement has led to the most reliable and proven ESF system in the world.

**HOW TEAM ESF WORKS**
Each sow or gilt is tagged with an RFID (radio frequency identification) tag. The TEAM System uses automated information based equipment, called workstations, to perform specific “chores” based upon the animals unique identification. Both the fulfillment of these chores and the associated biometrics are collected at the workstations. Each TEAM workstation is fitted with a small computer which is responsible for identifying each animal and executing commands. Information collected at each TEAM workstation extends the ability of your farm management personnel to understand the immediate status of every animal.

**TRACK EACH ANIMAL’S PRODUCTIVITY**
Each animal is automatically identified by an electronic RFID ear tag whenever it enters a TEAM workstation. The ear tag allows the TEAM workstation to assign all actions to a record for each animal.

**TEAM ESF Benefits* Compared to Stalls**
- Optimized gilt and sow condition
- Reduced feed usage
- Individual control of animal intake while in group setting
- No feeding anxiety or aggression
- Animals are docile and less stressed
- Lower culling rates
- Lower replacement costs
- Increased number of live-born piglets
- Better average litter weights
- Longer average sow productive lifetime
- Increased profitability

* Benefits are based upon Osborne’s independent research studies with the cooperation of many early adopters of ESF.
Automate Sow Feeding with the TEAM G-station™

Feed the Right Sow, the Right Amount at the Right Time

The TEAM G-station allows the sow to enter the workstation from the front and leave at the rear. Movement through the G-station is a natural progression. The RFID tag on each animal identifies it to the G-station which dispenses the correct feed for that animal. Entrance and exit gates give the sow time to enjoy her meal without competition from other sows. An adjustable amount of water is delivered to the sow during her meal to encourage cleanup and shorten eating time.

Gain complete control of feed rations. The daily feed ration for each animal is precisely adjusted to her specific stage in production. Accurate feed control means optimum sow condition. Feeding capability includes standard ration and phase feeding.

The TEAM feed trough (pictured to the left) is designed for optimum feed intake without feed waste.

Nutrition Flexibility. Durable feed hoppers are constructed from tough, wear-resistant, fiberglass-reinforced composite material. Feed levels can easily be viewed with the plexiglass windows. TEAM G-stations can be fitted with single or dual hoppers for delivery of one or two rations during the feeding cycles. Each TEAM hopper holds approximately 149 lbs.* (68 kg) of feed.

Animal Protection. Extended panels on the entrance gate help prevent two sows from entering the G-station together. Rollers on the air-actuated entrance gates protect the sows and ensure the gate closes firmly, but gently, around the rear of the entering sow. The entrance gate automatically opens whenever the feed station is empty.

* Approximate feed capacity based on feed density of 42 lbs. per cubic foot.
Electronic Estrus Detection (EED) with the TEAM E-station™

Practical Solutions for Increased Breeding Efficiency
Gilts and sows interact with a teaser boar through nose-to-nose contact at the TEAM E-station. RFID tags are used to communicate the unique identification number of each animal visiting the E-station. The visit and duration of each interaction is measured and used to generate a very accurate Estrus Reference Value (ERV). The ERV is directly proportional to estrus intensity.

Save Time - Cut Breeding Labor
Raise production levels with TEAM EED by monitoring estrus 24 hours a day, 7 days a week for gilts or sows. Use quick reference reports generated daily by the TEAM software. Know before you enter the barn how many animals are to be checked and bred each day. Decrease reproductive failures and non-productive days. Plan “availability” by monitoring individual onset and timing of estrus for incoming replacement gilts while they are isolated and being acclimated.

TEAM EED
- Monitor estrus automatically 24-7
- Plan availability for gilt development units
- Detect first estrus in weaned sows
- Identify return to estrus in groups of gestating animals
- Find animals that would otherwise go unnoticed

When in heat, sows and gilts interact with a teaser boar through nose-to-nose contact at a TEAM E-station.

Use TEAM Accessories for Top Performance and Efficiency

The Divert Gate Kit option is used when there is a need for drafting sows into separate groups.

Spray Marker Kits are available for the E-station & G-station. Choose individual animals for special attention or treatment on the basis of calendar events or other reasons from your computer.

The ID Logger™ allows data entry in the barn as you perform tasks. Transfer information from the ID Logger to the TEAM Software with single-entry accuracy.
**TEAM® Software for Windows®**

**Your Data Manager**
The TEAM system performs its tasks by using a variety of information such as animal ID, age, location, feed, heat detection, and management actions that are entered into a PC. The PC reminds the user when actions are needed in the barn, maintains basic production records, and summarizes data into useful reports. Reports and Attentions are viewed and printed each day to schedule management actions or to assist the producer with important management decisions.

**Track Individual Animal Production**
A detailed calendar review of a particular sow’s production history is provided through the TEAM software. Piglets born, fostered and weaned are easily recorded and tracked for each parity. Visually compare parities and track progress. Spot exceptional animals and cull non-performers quickly.

**Estrus Detection Made Easy**
Larger than average Estrus Reference Values indicate the animal is demonstrating estrus. Daily use of the Estrus Summary Report reminds employees to check and breed animals showing heat the previous day. Conventional methods verify estrus.

**Adjust Feed Curves**
Feed rations for each sow are automatically and precisely reset daily to her specific stage in gestation. Sows farrow at an ideal condition, optimizing lactation and reproduction performance.

**Meets Traceability Requirements**
Automatically capture, document and certify health and management information. Make your pigs a better value for finishers, packers, retailers and consumers. Use the TEAM historical database to provide total traceability from farm to slaughter.

**Now Streamline Data Entry**
Import sow production information from PigCHAMP Care 3000 into TEAM Software. The TEAM Software-PigCHAMP interface eliminates the need for double entry of common data used by both systems.

To learn more about Osborne’s TEAM ESF System, call us today!
Osborne design specialists will help you with the proper design and layout of your facility to maximize the productivity of your TEAM ESF system. Our decades of research and collaboration with hundreds of TEAM customers have allowed us to refine our layouts for optimal performance. Whether you have a 100 sow operation, or 2,400+ sow units, our experience and expertise in ESF will assist you in designing the optimal ESF system. Good equipment just isn’t enough. Good design and animal flow are keys to a successful ESF system.
# TEAM® Options

## Osborne TEAM System (Workstations)

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Finish</th>
<th>Exit</th>
<th>Electronics</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>FG-TG2000</td>
<td>G-station</td>
<td>Galvanized</td>
<td>ISO FDX-B</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FG-TD2000</td>
<td>D-station</td>
<td>Galvanized</td>
<td>ISO FDX-B</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FG-TD2100</td>
<td>D-station</td>
<td>Galvanized</td>
<td>Parallel</td>
<td>ISO FDX-B</td>
<td></td>
</tr>
<tr>
<td>FP-00ED2</td>
<td>E-station</td>
<td>Galvanized</td>
<td>n/a</td>
<td>ISO FDX-B</td>
<td></td>
</tr>
<tr>
<td>FP-00ED3</td>
<td>Auxiliary E-station - Antenna only</td>
<td>Galvanized</td>
<td>n/a</td>
<td>n/a</td>
<td></td>
</tr>
</tbody>
</table>

### Note: Requires FP-00ED2

## Osborne TEAM System (Hardware)

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>FG-EC2000</td>
<td>Controller (Includes one (1) KG-EC1100 &amp; one (1) USB to R232 Converter Cable)</td>
<td>For 520 animals</td>
</tr>
<tr>
<td>KG-PS1000</td>
<td>Power Supply (Includes KI-00I210 Comm Module)</td>
<td>24V, 8 station capacity</td>
</tr>
<tr>
<td>KG-PS1001</td>
<td>Power Supply - International Connector (Includes KI-00I210 Comm Module)</td>
<td>24V, 8 station capacity</td>
</tr>
</tbody>
</table>

## Osborne TEAM System (Accessories)

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>KG-G27000</td>
<td>Divert Gate Kit</td>
<td>Provides two (2) exits from G-station One (1) exit returns sows to herd; One (1) exit to separation pen</td>
</tr>
<tr>
<td>KG-TS2000</td>
<td>Switch-LOK™ Kit</td>
<td>For split-feeding of two (2) groups on one (1) G-station without mixing groups</td>
</tr>
<tr>
<td>KP-AW100</td>
<td>Spray Marker Kit for G-station</td>
<td>Visually identifies animals for special attention or treatments</td>
</tr>
<tr>
<td>KP-AW130</td>
<td>Spray Marker Kit for E-station</td>
<td>Visually identifies animals that have returned to estrus</td>
</tr>
<tr>
<td>FG-TG2026</td>
<td>Second Feed Kit for G-station</td>
<td>Feeds animals two rations during the feeding cycle</td>
</tr>
</tbody>
</table>

To learn more about Osborne’s TEAM ESF System, call us today!
TEAM® Specifications & Requirements

TEAM Specifications for Workstations
• Suggested maximum of approximately 60-70 gilts or sows per G-station*
• Maximum of 20 feed curves available for all animals
• 16 workstations or 520 animals per TEAM controller (whichever comes first)

*Number of head per E-station dependent upon application, layout, and genetics. Contact Osborne for project consultation.

Minimum PC Requirements for TEAM Software
• MS Windows XP, Vista, Windows 7 or Windows 8 - 32 & 64 bit operating system
• 1 GB Free Hard Drive Space
• 1 RS-232 serial port or 1 USB port
• CD ROM or DVD Drive
Call us today to learn more about the Osborne TEAM® ESF System. TEAM ESF is one key to opening our Single Source Swine Solutions™.