DairyFeed Automated Calf Feeders

Healthy feeding of calves with less labor

GEA Milking & Cooling | WestfaliaSurge

engineering for a better world  GEA Farm Technologies
Individual feeding is the key to modern calf management

Automated calf feeders make the day-to-day feeding of calves easier and minimizes the routine tasks involved with raising calves. Automated feeders can be used as a stand alone unit or in conjunction with the DairyPlan C21 herd management program to create a highly economical calf management system. Every calf can be recorded and monitored from the day it is born.

**The ideal profile for fast growth** — every calf develops differently, making individual feeding essential for optimal calf health. Automated calf feeders from GEA Farm Technologies can be programmed to suit your operation’s requirements, whether it is for feeding or fattening. A choice of feeding profiles ensures that each calf is given exactly the right ration.

**Benefits of computer controlled automated calf feeding:**
- Calves develop faster as a ruminant.
- Experience higher daily weight gains.
- Achieve better animal health.
- Reach date to first insemination earlier.
- Attain a heavier weight by first insemination.
- And, the dairy has reduced calf losses.

**Optimal health through continuous monitoring** — a sudden change in feeding habits can be a sign of illness. That is why the GEA Farm Technologies feeding systems record feeding and drinking habits, store the data, and report any deviation immediately — for faster treatment and reduced veterinary costs.

**The DairyFeed automated calf feeding stations provide profitable, performance-based solutions to meet today’s calf care needs.**

With the GEA Farm Technologies automated calf feeder, milk is always fresh, at the right temperature, and mixed on demand so that each individual calf gets their own individual ration.
Individul calf information is available at the touch of a button

**Individual calf ID** — each feeding stall incorporates an antenna that identifies individual calves from their ear tag or neck tag, ensuring that each calf receives their customized ration.

**Stand-alone automatic calf feeders for flexible feeding on the spot** — the stand-alone automated calf feeders have their own computer which means they are flexible and designed for individual use. You can manage changes immediately and program the automated calf feeders accordingly.

**Easily integrated with DairyPlan C21** — adding the optional communication gateway and the DairyPlan CalfFeeder module to DairyPlan C21 herd management software allows the user to have all the information of the stand-alone unit conveniently available on their herd management computer.

And, with DairyPlan integration on your youngstock, you will have a complete lifetime history on your cows, as they become part of the milking herd. That's true herd management — available only from GEA Farm Technologies.

Raise healthy calves with less labor, and with complete herd management data — from the very day your calves are born.
The new generation of automated calf feeding

The new generation of feeders has been designed around well-proven functions which are included in the new J-V600+ and J-V640+ versions that have additional and improved features:

**Clear view**

The transparent powder hopper extension makes it quick and easy to check the filling level. You can see at a glance just how much powder is left in the feeder.

**Click and lock**

The additional dosing unit can be easily fitted on or removed from the fly screen thanks to the handle and the new, flexible locking system. This also means that the additives can be provided easier and quicker.

**Can’t be more precise!**

The automatic calibration system ensures that the weighing cell controls and adjusts all dosing weights. Since this process runs automatically, it saves a lot of time and you can be sure that its calibration is exact and ideally suited for supplying the feeder.
Conveniently save all of your important calf feeding information and easily update software.

The automated feeders are equipped with the easily operated hand terminal. The new user friendly interface with extra keys and a large display makes it comfortable to read. The brightness and contrast can be easily reset via the software. Numbers can be entered quickly and directly via the numerical keypad, e.g. for the animal search and for setting up the feeding plans. Short-cut keys enable fast access to a group of calves or a specific animal.

Regardless of seasonal weather changes, thanks to an IQ heating control, the milk is always prepared at the correct temperature. Interval feeding then allocates the milk in the appropriate rations throughout the day.

The GEA Farm Technologies calf feeding system includes exceptional standard features:

- Stainless steel housing for a longer lasting investment compared to painted versions.
- Stainless steel fly screen to keep rodents and flies away from mixing chamber.
- Vapor screen at powder dispenser to prevent powder from bridging and effecting concentration.
- Detergent dispenser that pre-programs automatic cleanings up to four times per day.
Automated calf feeding — sample floor plan

1. Additional Feedling (Concentrate, etc.)
2. J-V640 Quattro Feeder
3. Feeding Station (one/group)
4. Water Trough
5. Group Pen (25 sq. ft./Calf)
6. Walkway Aisle
7. Milk Room (UV Pure*, Cooling Tank, etc.)
8. Storage
9. Office

*Fresh milk can be purified with the UV Pure ultraviolet calf milk purifier to kill bacteria while retaining important nutrients. Available only from GEA Farm Technologies.

Spend your valuable time managing your calves, not simply feeding them.

Quattro module offers the latest technology in calf raising:

- Allows four calves to drink simultaneously.
- Can feed up to 120 calves per feeding station.
- Offers a reduced investment option for larger calf herds.
- All stations utilize servo-controlled peristaltic pumps.
- Pump speed is calf-age dependent — older calves receive their milk at a higher rate than younger calves.
- Consumption is monitored by pump revolutions.
- Easy installation.
Meet the nutritional needs of your calves and the management needs of your operation

The automated calf feeding station is available in two configurations — as a milk powder only unit (J-V600+), or as a combination milk powder and fresh milk unit (J-V640+). Powdered calf milk replacer offers ease and consistent high quality nutrition for the calf. The combination powder and fresh milk unit goes further in allowing the use of powder only, fresh milk only, or powder and fresh milk combined.

Expandable feeding options — each automated feeding station can be connected to two feeding stalls and feed a total of 50-60 calves. The 5.5 kW model may incorporate an independent feeding control to add a third stall for feeding up to 80 calves. When high capacity feeding is required, the Quattro module can be used with four feeding stalls and feed a total of 120 calves.

Depending on the number of calves, and size of your farm, GEA Farm Technologies has an automatic calf feeder for your every need.

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<thead>
<tr>
<th>Feature</th>
<th>V 600+</th>
<th>V 640+</th>
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<tbody>
<tr>
<td>Automatic fresh milk feeder</td>
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<td>Automatic powdered milk feeder</td>
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<tr>
<td>Combined automatic feeder</td>
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<tr>
<td>Powder capacity</td>
<td>ca. 35 kg</td>
<td>ca. 35 kg</td>
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<tr>
<td>Stainless steel tank (optional)</td>
<td>ca. 50 kg</td>
<td>ca. 50 kg</td>
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<td>Fully automatic heat exchanger cleaning</td>
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<td>with rinsing agent</td>
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<td>metering pump</td>
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<td>Detergent pump</td>
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<tr>
<td>Automatic calibration scales</td>
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<tr>
<td>Maximum number of calves</td>
<td>max. 50-60 calves with 2</td>
<td>max. 50-60 calves with 2</td>
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<td>feeding stalls</td>
<td>feeding stalls</td>
<td>feeding stalls</td>
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<tr>
<td>Quattro module with 4 feeding stalls (optional)</td>
<td>max. 120 animals with 4 feeding stalls</td>
<td>max. 120 animals with 4 feeding stalls</td>
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<tr>
<td>Heating power / W.T.V.</td>
<td>2.8 kW / 500 ml</td>
<td>2.8 kW / 500 ml</td>
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<td></td>
<td>5.5 kW / 500 ml</td>
<td>5.5 kW / 500 ml</td>
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<td>Liquid feed preparation</td>
<td>2.5 l / min</td>
<td>2.5 l / min</td>
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<td>Portion sizes</td>
<td>250-500 ml</td>
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<tr>
<td>Stainless steel milk pump</td>
<td>120 W</td>
<td>120 W</td>
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Excellence • Passion • Integrity • Responsibility • GEA-versity

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