



Mix & Carry

True experts for feed management
in the free stall barn

GEA Farm Equipment | Mullerup

engineering for a better world

GEA Farm Technologies

Intelligent feed management leads to top-class milk production

The farmer is in demand on every part of his farm. So it is a good idea if he can leave the work in the barn to experts: Mix & Carry is the reliable, automatic feeding system that frees him from the whole chain of work, from the weighing of individual portions of roughage, crafts and minerals, through the mixing, right up to the distribution of the TMR onto the feed alley. In other words, this means pure relief for the farmer and full productivity, leading to top-quality milk!

Now it is time to sit back and relax and watch the success happening

You can provide every group of cows with the menu desired using individual mixtures. The user-friendly WIC control unit gives you quick access to feeding schedules, ingredients, quantities or parameters of the animal groups. Once it has been started up the Mix & Carry system carries out the complete process starting with weighing in from bunkers and silos, mixing in a stationary mixer and distributing by the rail-mounted feeder. Of course not without reporting to you in details on every step taken. Mix & Carry frees a considerable amount of time for you to utilize for intensive herd management, enabling you to closely pursue the goals in your concept and to optimize your long-term success.



Productive feeder – a new companion in the cow barn that the cows are totally happy to accept

All good things come from above!

The battery-driven feeder operates busily, but quietly and always precisely, in its distribution of the exact TMR to the various groups. The conveyor belt on the Mix & Carry feeder enables it to dispense either on one or both sides of the feed alley. Its narrow construction form makes the feeder extremely flexible. A width of just 2 m is sufficient for the serving of feed. When setting up a new cow barn the narrow system offers a great deal of saving on space. Increase your productivity using a smaller area!



Fresh energy: The stationary mixer (MVM) and the feeder work hand-in-hand to make high-quality feed

Top-quality milk is the reward for fully automated feeding

Mix & Carry reduces the workload down to just the occasional filling up of the bunkers and silos. The frequent distribution in a relaxing atmosphere improves both the feed intake and, as a consequence, the feed utilization. The continuously new mixture ensures that the feed is always kept fresh and free of fermentation processes. The cows always relish the optimal feed ration, and the clean facts at the feed alley speak for themselves: Your healthily fed cows will always reward you for this with top-quality milk!



Workload: A minimum of effort is required for the filling up of the bunkers as needed

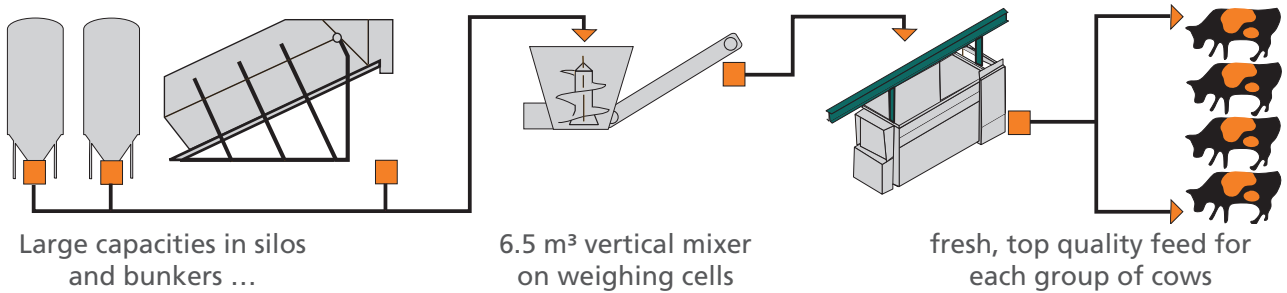
Mix & Carry – the effective feed management system with long-term advantages

- The full automated system reduces the workload to a minimum
- Precise weighing and distribution saves on feed costs
- optimal feed utilization leads to top-quality milk
- flexible and reliable all-round system from your partner GEA Farm Technologies

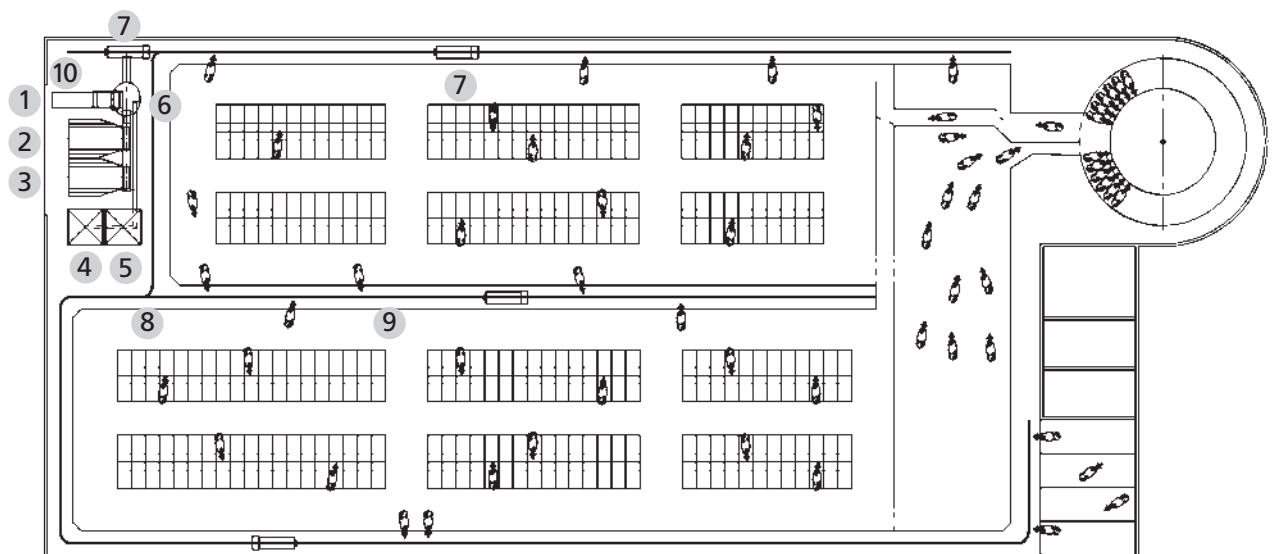


High effective system – conveyor takes the roughage to the mixer

Flow chart



Schematic diagram



- 1 Straw equipment
- 2 Magazine, silage 1
- 3 Magazine, silage 2
- 4 Concentrates, magazine 1
- 5 Concentrates, magazine 2
- 6 Stationary MVM mixer
- 7 Mullerup Mix & Carry Feeder
- 8 Track switch
- 9 Rail
- 10 Battery charger

Technical specifications

| | |
|--------------------|------------------------------------|
| Mixes per day | Individual – typically 25–30 loads |
| No. feeding groups | Max. 15 |
| No. feed types | Max. 30 for each group |
| Total weight | Max. 2.500 kg |
| Forward speed | Stepless 8–16 m/min. |
| Control | Mullerup WIC |

| | MCS M2000 PLUS | MCS M2000 XL | MCS M2000 AC XL |
|------------------|--------------------|--------------------|--------------------|
| Batteries | 4 x 12 V 100Ah | 6 x 12 V 100Ah | 6 x 12 V 100Ah |
| Battery chargers | 2 x 10 Amp. 24 VDC | 4 x 10 Amp. 24 VDC | 4 x 15 Amp. 12 VDC |

| | MCS M3000 XL | MCS M3000 AC XL |
|------------------|--------------------|--------------------|
| Batteries | 6 x 12 V 100Ah | 6 x 12 V 100Ah |
| Battery chargers | 4 x 10 Amp. 24 VDC | 6 x 18 Amp. 12 VDC |



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GEA Group is a global engineering company with multi-billion euro sales and operations in more than 50 countries. Founded in 1881, the company is one of the largest providers of innovative equipment and process technology. GEA Group is listed in the STOXX® Europe 600 index.

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