GEA Farm Technologies

The Milking Team

The Allrounder and the Assistant for the milking parlour

GEA Milking & Cooling | WestfaliaSurge

GEA Farm Technologies – The right choice.

The new generation of Milking Control Units

Optimise Your Team with DeMax or DemaTron

Milking, control, and measurement in a new dimension

DemaTron

The Allrounders ...

... for accurate measurement and specific help.

The future at a fair price:

DeMax and DemaTron are the latest members of GEA Farm Technologies` milking control unit family. Important functions ease the work-load in the milking parlour and are with you for the whole of the milking time. Subject to unit type – from easy cluster removal through to ICAR-approved milk metering with cluster removal – this product family gives you a best value entry into leading milking control technology.

Once again the right time for milking

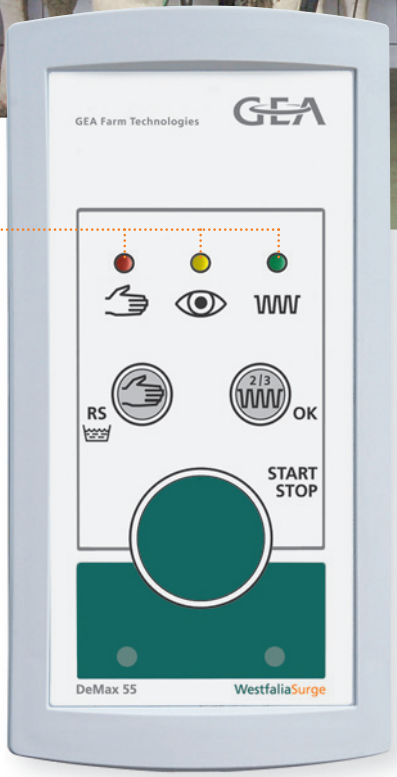
With the latest generation of milking control units, you'll profit, just like your milkers, from a pleasant reduction in workload from the start to the end of milking: gain valuable time with the assurance that DeMax and DemaTron are taking care of the essential milking phases for you!

Configurable to meet your farm's needs

In complete accordance with the ProFormance philosophy, the DemaTron/ DeMax family can be expanded in a seamless modular manner and installed in existing or newly planned systems. With little effort the DeMax control unit can be upgraded to a DemaTron. From the reliable assistant taking care of gentle and stress-free milking right up to the allrounder with the milk metering to support the herd management, GEA Farm Technologies is able to offer you milking control technology matched to your needs, which will optimise your farm's productivity.

Intelligent assistants
for maximum removal support

The DeMax 55 milking control unit offers you an intelligent entry point into the modern automated milking process and a perfect solution, if cluster removal is of primary impo-tance. Individual pulsator control is a further base function of all GEA Farm Technologies milking control systems. In particular, the use of **StimoPuls** ensures that the milking process begins in the best way for your cow: with the best equipment, in an effective and gentle manner!



LED displays
Cluster removal deactivated (red)
Milk flow level (yellow)
Pulsation display (green)

DeMax 55

With its automatic shut off DeMax 55 can control the pulsator.
The first possible upgrade is incorporating automatic cluster removal. In addition the DeMax 55 can also take on an optional extra, such as the KickOff switch. The DeMax control unit with its electronic intelligence, controls the milking process from start to finish, while incorporating a number of important milking control functions. **The result: Optmised milking.**

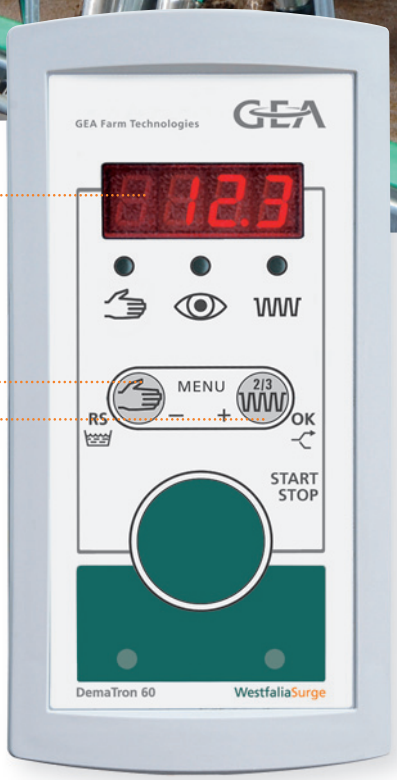
DeMax 60 – represents maximum removal comfort
Whether BackFlush, PosiCare or KickOffswitch - dependent on your individual wishes the DeMax 60 can be expanded using various components. The start of milking is particularly gentle if your cow is milked with **StimoPuls**.

Optimum stripping quality with VisoFlow
VisoFlow measures the milk yield flow through the free milk flow and supplies the information required for milking control to the control unit. Thus, the control unit determines the ideal time point for shutting off the vacuum or cluster removal. This means optimal milking every time with a vacuum which is gentle on the udder.

Start-from-anywhere capability provides new ergonomics
With the various remote start versions provided by GEA Farm Technologies, you can start the milking process from ergonomically advantageous positions. The button in the pulsing hose or press-button on the pit-edge can be quickly and easily reached. **EasyStart** starts the milking process in a particularly easy way: simply raise the cluster.

Milk metering made easy
More than just cluster removal

The DemaTron 60 has an unbeatable price/performance ratio. The combination of workload reducing cluster removal and milk yield display is very attractive. Entry into the future of milking technology has never been so easy, than with the "Allrounder".

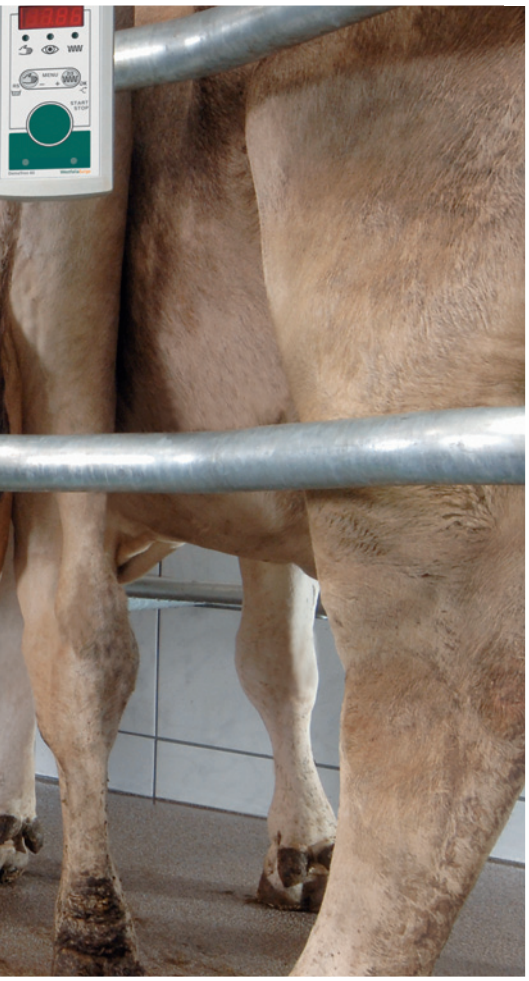


Milk yield, messages

manual "Start"

Stimulation change / time

DemaTron 60



Simple bracket design

Top-class, ergonomically designed stainless steel bracket

MultiLine with full component integration

Familiarise yourself with DemaTron 60 and trust the "Allrounder" to determine the optimum removal point. Not only that, timely removal protects the udder and, with it, cow health at every milking. Knowledge of the milk yields allows you to draw valuable conclusions about the state of the animals: How healthy is the animal and what is its current performance level? Can feeding be optimised? With DemaTron 60 you optimise the factors governing success directly in the milking parlour.

Milk yields measured in free flow. Optimised milk metering using the **LactoFlow** milk sensor, that was specially developed for the DemaTron 60, supplies milk yields for daily management in the milking parlour.

Simple, economic starting: Remote starting function possible using a press-button and without the need for an operating terminal

Top Performance
Herd Management at minimum Cost

DemaTron 70 provides a new relationship between performance and costs. The versatile milk parlour control unit reveals its talent in daily herd management and together with the Metatron MB metering box: precise milk metering is one of its main features. DemaTron 70 is the basis for your future: **The whole wide world of precision livestock farming is now open to you.**

Setting segregation button

LED warning lights for example, flashing at the upcoming end of milking

DemaTron 70
DemaTron 75

Integrated in **DMS 21** herd management, the unit indicates differences in the current milk yield and conductivity and gives visual indicators such as "No milking". You can set sorting markers directly via the terminal so that you segregate your cows in a targeted and automatic manner. **Result: less stress at work, enormous time savings.**

DemaTron 75 for manual animal identification in the milking parlour.

Animals can be quickly and easily allocated a milking stall by entering the respective animal number. This is of particular interest to farmers who do without automatic animal identification. PC based herd management is therefore enabled for a minimum investment.

ICAR recognised for milk control

The DemaTron control calculates the milk flow rate and exact milk yields of your cows using the **Metatron MB** milk meter. A recognised milk sampling function is provided as a matter of course. The accuracy and precise measurement is approved by the international organisation ICAR.

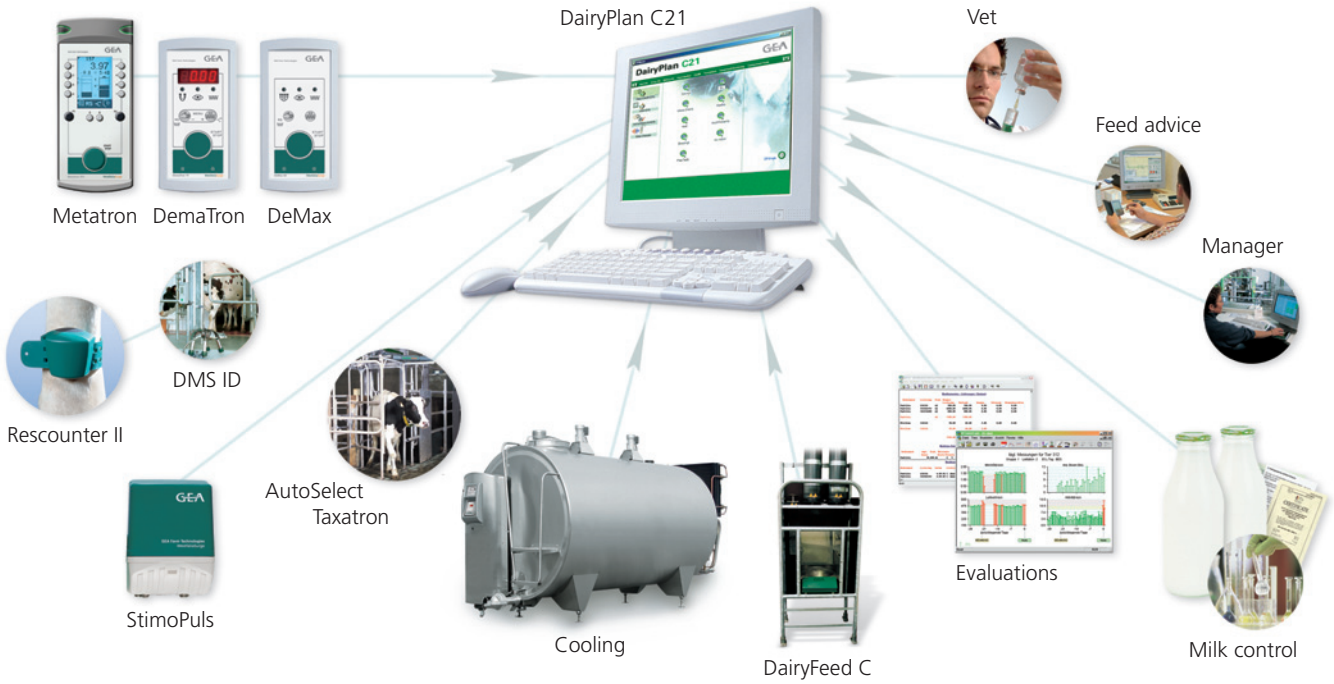
Ready for control tasks

The ground-breaking DemaTron 70 is compatible with all GEA Farm Technologies milking parlours and even ready to take over control tasks in other manufacturer's systems. When integrated in the DMS21 herd management system, the DemaTron 70 is an important component in precision livestock farming and as a precise data supplier, the allround manager for individual animal based herd management.

Precision Livestock Farming
With the DMS 21, you're fully prepared for the future

To be best equipped for the future, the operator needs individual data on each cow. Milk yields and cow activity data – collected automatically – are an essential aid in health andreproduction management.

GEA Farm Technologies` DairyManagementSystem 21 will help you to keep ahead in herd management both now and in the future.



Your DemaTron is even more powerful with a connection into the DMS 21

in the milking parlour:

- ✔ Cow number (responder number) display
- ✔ Display of deviations in milk yield and conductivity
- ✔ Display and if necessary blocking function for "No milking", "Disconnection", "No stripping aid", "No KickOff", and "Drying off"
- ✔ Setting of sorting codes for all AutoSelect versions
- ✔ Feeding in the milking parlour

in the office:

- ✔ Analysis of individual milk yields, min./max milk flow using DairyPlan C21
- ✔ Milking parlour management/system information (also for DeMax)

Milking control units
The Overview

	DeMax 55	DeMax 60	DemaTron 60	DemaTron 70	DemaTron 75
Control panel					
LEDs for signal display	✓	✓	✓	✓	✓
4 character LED display (milk yields, cow information)			✓	✓	✓
2 function keys next to the start key	✓	✓	✓	✓	✓
Adjustment via a central network	✓	✓	✓	✓	✓
Animal number input					✓
Milking / milking control					
Milk yield display			✓	ICAR	ICAR
Display of high, low milk flow (LED)	✓	✓	✓	✓	✓
Milking breakdown display	✓	✓	✓	✓	✓
Central switching to ready for milking state	✓	✓	✓	✓	✓
Stall-based pulsator control	✓	✓	✓	✓	✓
Vacuum delay after starting	✓	✓	✓	✓	✓
Removal threshold g/min	50 upto 1000	50 upto 1000	50 upto 2000	50 upto 2000	50 upto 2000
Adjustable removal delay	✓	✓	✓	✓	✓
Maximum milking duration	Options	Options	Options	Options	Options
Cluster lowering at the end of milking	✓	✓	✓	✓	✓
Milk saving function	✓	✓	✓	✓	✓
Central switching to ready to rinse state	✓	✓	✓	✓	✓
Cleaning quality display				✓	✓
Options					
Stimulation StimoPuls Pulsator	✓	✓	✓	✓	✓
EasyStart rapid milk start	(✓)	✓	✓	✓	✓
Remote start (even without terminal)	(✓)	✓	✓	✓	✓
KickOff milking block when cluster kicked off	(✓)	✓	✓	✓	✓
Additional signals (e.g. lamps)	(✓)	✓	✓	✓	✓
PosiCare controlled multi-function arm	(✓)	✓	✓	✓	✓
BackFlush control	(✓)	✓	✓	✓	✓

( ) = One single option may be selected

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The right choice.

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