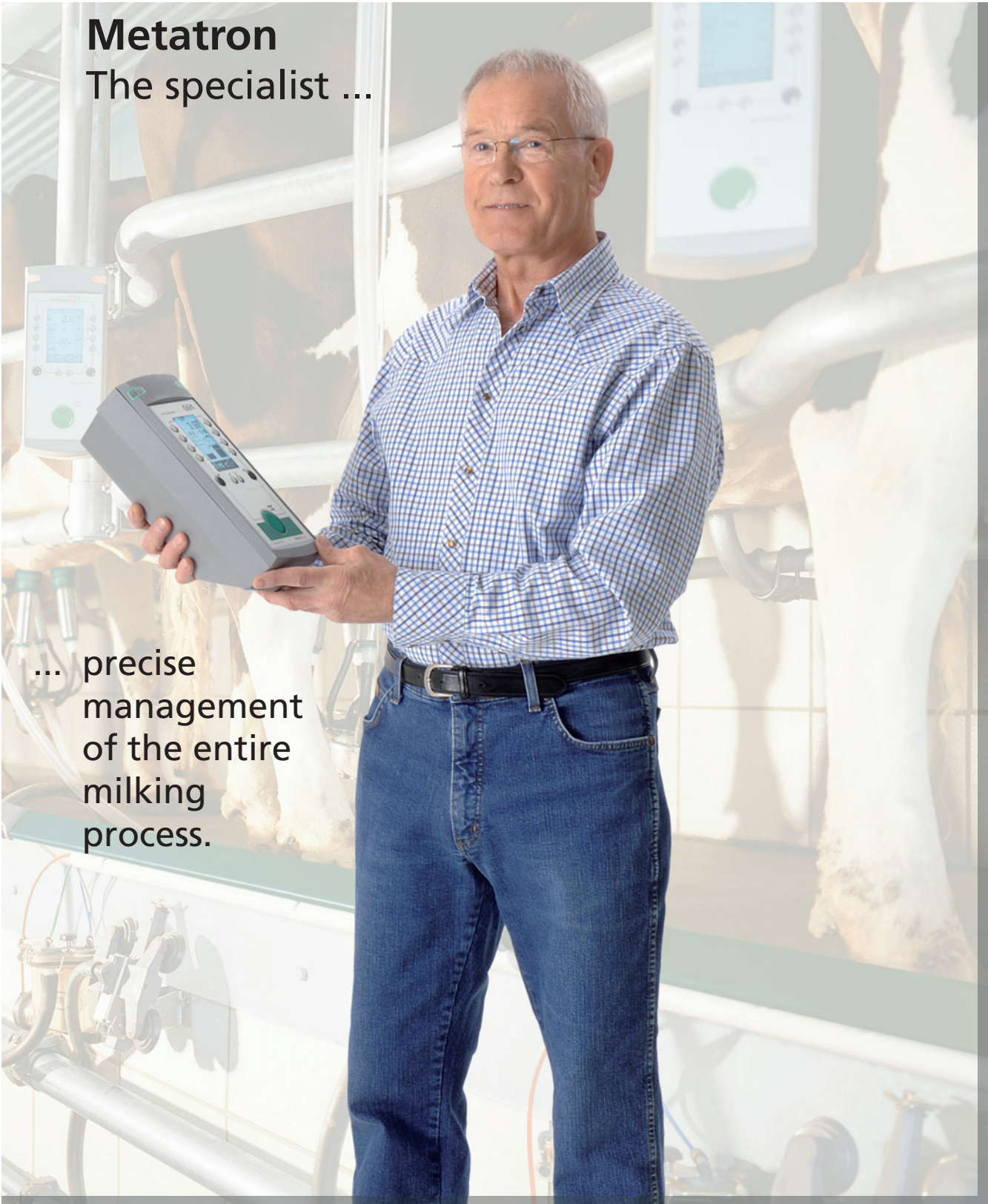GEA

Metatron 21

The proven specialist
for professional
milking management

GEA Milking & Cooling | WestfaliaSurge

GEA Farm Technologies – The right choice.

The Proven Generation of Milking Control Units

Metatron
The specialist ...

... precise
management
of the entire
milking
process.

Metatron 21

The seamless integration of Metatron 21 and DairyPlan C21 opens up completely new possibilities for optimising your workflows directly at the milking stall. Metatron 21 captures all and any generated data, such as milk yields, conductivity or inputs (e.g. selection markers) and forwards these to DairyPlan C21 for further processing. The latest values are then compared with the values saved in DairyPlan C21. Graphically processed, this information can be seen at any time with just a quick glance at the Metatron P21 Terminal.

ICAR approved, for milk control using the **Metatron MB** metering box, the intelligent Metatron control calculates the milk flow rate and exact milk yields from your cows. An approved milk sampling function is provided as a matter of course. The accuracy and highly precise measurement with minimal measurement error are accredited by the international organisation, ICAR.

Your advantages with Metatron P21:

✔ Health monitoring through display of variations in milking yield and conductivity

✔ Animal data available in the milking parlour for managing reproduction: timely display of important deadlines such as oestrus, insemination, treatment dates, etc.

✔ Metatron 21 controls milking parlour feeding and forwards sorting commands to the correct position

✔ Metatron 21 supplies important data for optimisation of your milking work, e.g. bimodal milk flow curves

✔ Accurate, ICAR approved milking performance measurement

Effective in every milking parlour

With its graphic display, variations can be seen at a glance. The bar-chart height shows you the current milk output and how much milk can still be expected from this animal.
Together with the solid conductivity bars on the right side, receive a valuable indicator of mastitis.

A control panel to meet the requirements of every milking parlour: e.g. SwingOver
with display for the left and right milking parlour side

Access to more animal data

Change side

Deactivate automatic take-off

Sorting specifications

Operation for entry/exit gate accessible from each stall

Shows active side

At-a-glance graphical and numerical display:

Animal number or name

Current milk quantity

Current milking duration

Expected conductivity
Alarm threshold

Upper conductivity

From 0 to 9 (hotkeys)
for input and querying

F1 - entrance gate control
F2 - exit gate control

Metatron S21

Metatron P21 and Metatron S21 can be combined with each other: you can install the Metatron P21 with its integrated gate control e.g. at the first and last milking stall and equip all the remaining stalls with Metatron S21.

5-digit
LED display

Milking parlour info:
Easy querying of milking performance
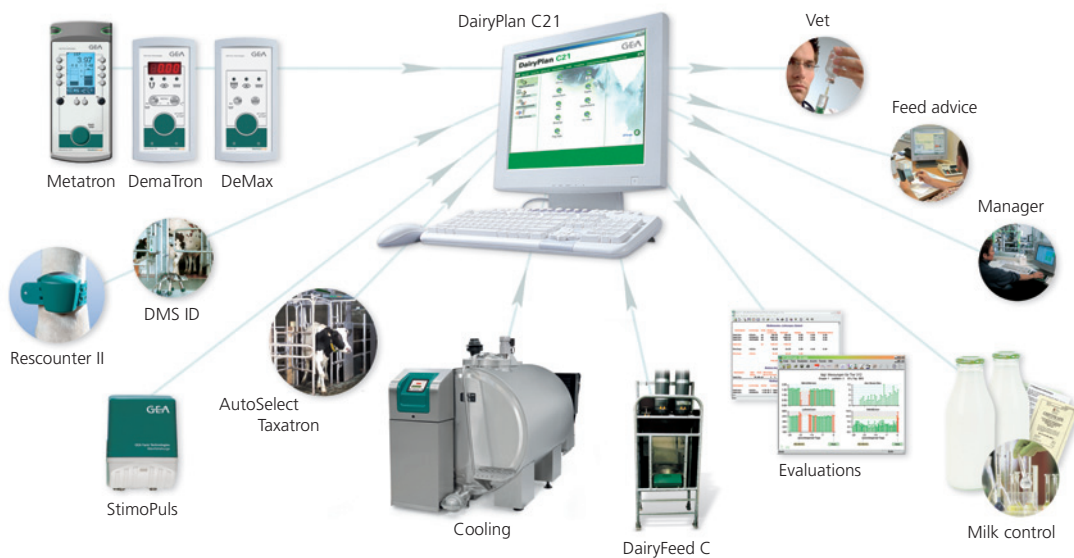
Cows milked

Milk output/h

2% fraction of poor stimulated milking

Time since start of milking

Precision Livestock Farming
with Metatron 21

Metatron DemaTron DeMax

Rescounter II

DMS ID

AutoSelect
Taxatron

StimoPuls

Cooling

DairyFeed C

DairyPlan C21

Vet

Feed advice

Manager

Evaluations

Milk control

An important component of precision livestock farming using the DMS 21, Metatron 21 provides you with individual milk yields thanks to its detailed processing. Back in the office, a comprehensive milking parlour analysis, gives you information about whether workflows are optimally tuned to each other.

Together with oestrus identification using the activity sensor Rescounter II, AutoSelect sorting and DairyFeed feeding, you have the most important components for successful herd management linked to your PC-system, DairyPlan C21.

Your Metatron really performs when connected to the DMS 21

In the milking parlour:

✔ Display of animal number or responder number
✔ Text display of animal name and status (Metatron P21)
✔ Display of variations in milk yield and conductivity
✔ Display of variations in milk yield / conductivity from previous milking sessions prior to cluster application
✔ Graphical presentation of information and messages
✔ Display of the expected oestrus dates
✔ Latest animals to enter oestrus
✔ Calling up of additional animal information such as lactation day, food left or animal marker (Metatron P21)
✔ Input of information such as treatment, group change or oestrus (Metatron P21)
✔ Display and, if necessary, blocking functions for milking ban, disconnection, stripping aid, kick-offs, remaining dry
✔ Sorting criteria can be set for all AutoSelect versions

✔ Milking parlour feeding
✔ Entry of food quantities in the milking parlour (Metatron P21)

In the office:

✔ Analysis of individual milk yields, min/max milk flow using DairyPlan C21 for herd health monitoring
✔ Milking parlour management/system information for optimum monitoring of your system and milking work performance
✔ Milk flow curve analysis for optimisation of the work routine

	Metatron S21	Metatron P21
Control panel		
2 side warning lights	✔	✔
Display	LED (5 characters)	Graphical (LCD)
2 function keys next to the start key	✔	✔
Animal number input		✔
Integrated entry/exit control	✔	✔
Milking parlour specific, gate control operation for AutoTandem, SwingOver and RapidExit		✔
Adjustment via a central network	✔	✔
Milking / milking control		
Milk yield display	ICAR	ICAR
Display of high, low milk flow	✔	✔
Display of milking disturbances	✔	✔
Central switching to ready for milking state	✔	✔
Stall-based pulsator control	✔	✔
Vacuum delay after starting	✔	✔
Take-off threshold g/min	50 to 2000	50 to 2000
Adjustable take-off delay	✔	✔
Maximum milking duration	Option	Option
Cluster lowering at the end of milking	✔	✔
Milk saving function	✔	✔
Central switching to ready to rinse state	✔	✔
Cleaning quality display	✔	✔
Options		
Setup using StimoPuls Pulsator	✔	✔
EasyStart fast milking start	✔	✔
Remote start (also possible without operating terminal)	✔	✔
Kick-off block for kick-off interrupted milking	✔	✔
Additional signal (e.g. lamps)	✔	✔
PosiCare controlled multifunction-arm	✔	✔
Back flush control	✔	✔

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![GEA logo]

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