

FOSS

MilkoScan™ FT3

Deliver peak performance in milk and dairy analysis



ANALYTICS BEYOND MEASURE

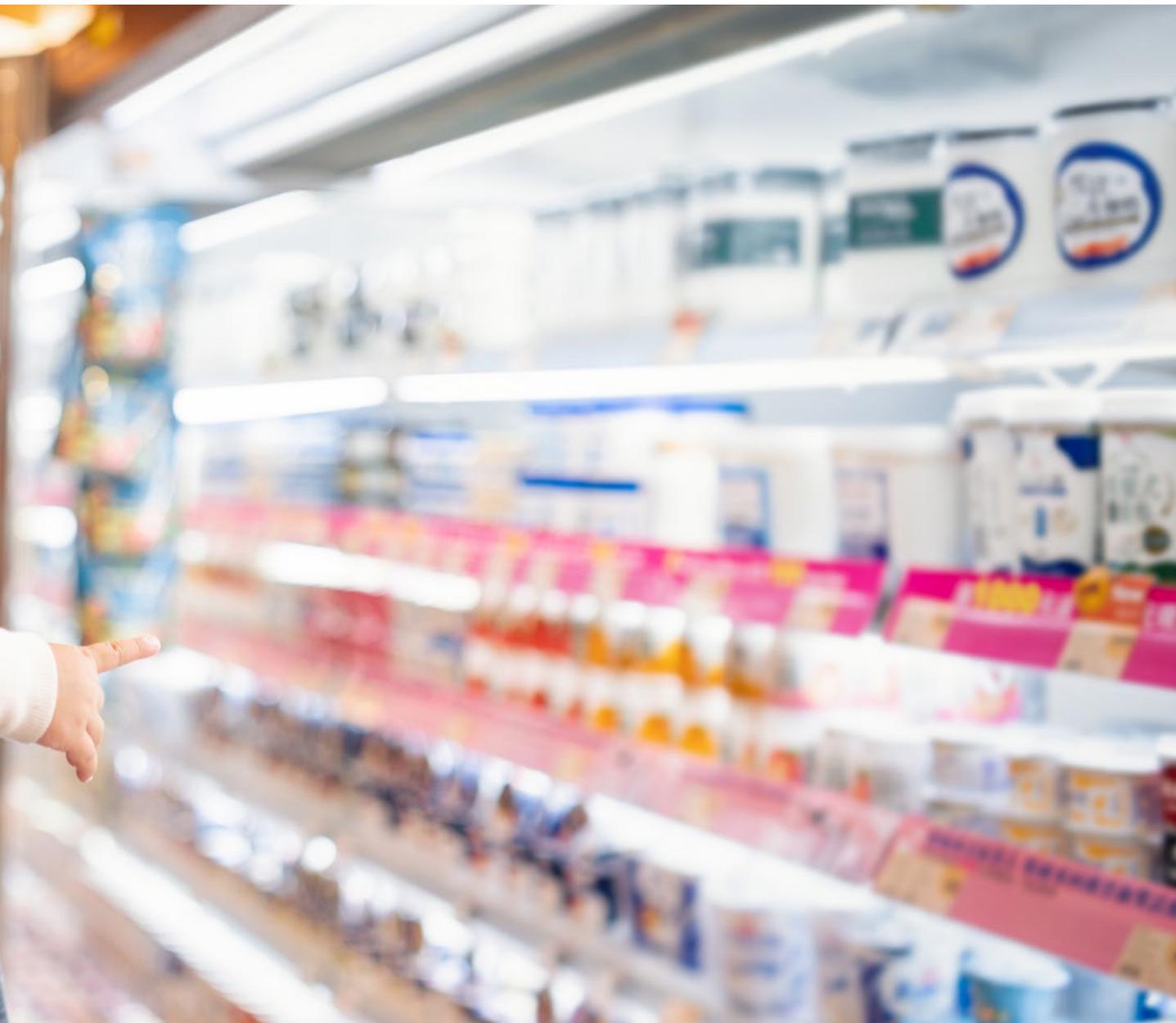


DAIRY INDUSTRY IN TRANSFORMATION

The global dairy industry is under transformation as consumers demand more diverse products. In this dynamic environment, the successful dairy is smart and agile, while delivering safe quality products in a sustainable way.

The MilkoScan™ FT3 is a versatile analyser for dairy producers wanting to test a wide variety of liquid and semi-solid dairy products with exceptional consistency at a low cost of ownership.

Packed with innovative hardware and connectivity features, the MilkoScan FT3 delivers the ultimate solution for applications such as testing of raw material, milk standardisation, process control and end-product control.



Embrace the future with **SmartAnalytics**[™]

Considering today's challenges, reliable data delivered by intelligent, analytical solutions is more critical than ever.

With the ability to access data at any point in the dairy production cycle you can take decisive action to raise quality and consistency. That is why we have developed the next generation milk analyser, the MilkoScan FT3 to help your company adapt. We call it SmartAnalytics[™]. Smart, because we combine fast, easy to use and dedicated analytical solutions with intelligent, connected and integrated services.

THE WORLD'S FIRST INTELLIGENT MILK ANALYSER

With its new digital capabilities and built-in intelligence, the MilkoScan™ FT3 boosts uptime and the consistency of your liquid dairy product testing.

Whether you test raw materials or final products, the MilkoScan FT3 is always easy to operate, adapting effortlessly to your needs to deliver accurate analyses and valid test data. Enabling you to get the most out of your production, improve everyday operational performance and ensure the highest quality product.



FULL COVERAGE ROBUST CALIBRATIONS

MILK, CREAM & WHEY

YOGHURT & FERMENTED APPLICATION

DESSERT & ICE CREAM APPLICATION

CONCENTRATED & FORTIFIED MILK

WHEY CONCENTRATES & PERMEATE

PLANT-BASED DRINKS APPLICATION

ADULTERATION SCREENING





ONE SOLUTION COVERS MANY JOBS

Be prepared. With MilkoScan™ FT3 you can test a wide variety of products and you do not need to worry about complicated calibration work when introducing new product types, no matter what you are testing.

Smart flow system handles multiple products

The range of dairy products demanded by consumers has exploded and dairies need to be agile in production and product development with analysis capable of handling lots of different samples, no matter what the future brings.

MilkoScan FT3 provides accurate testing of liquid and semi-solid dairy products including milk, cream, chocolate milk, yoghurt, drinking yoghurt, milk and whey protein concentrates and more. MilkoScan FT3 also offers a dedicated application for high-performance analysis of plant-based drinks (milk alternatives) such as soy, oat, almond, coconut, rice and pea drinks. With its smart flow system, it can recognize and auto-adjust to each sample and deliver results from as little as 30 seconds depending on product type. This leads to immediate gains in production through the rapid availability of critical quality control data for a variety of samples.

All-inclusive calibration models reduce cost

The instrument can handle a wide variety of dairy products and it does so without additional calibration work. A single calibration model can be applied to multiple products within the same product category, for example one calibration model for liquid milk. You can still choose specific products, but these do not require individual calibration models. Compared to other solutions, this means that you have fewer calibration models to maintain and less reference testing to be done.

Rapid screening of abnormalities and adulterants

MilkoScan FT3 offers the most comprehensive and accurate screening of your milk with either targeted or untargeted models.

Adulteration screening can be included as part of the platform quality testing and is an important tool for improving milk quality and ensuring food safety. Check for deliberate or accidental adulteration while performing normal quality control tests.

- Untargeted models for adulteration screening allow you to screen all incoming milk for abnormalities in just 30 seconds.
- Targeted models for adulteration screening allow you to screen for specific adulterants.

DELIVER PEAK PERFORMANCE

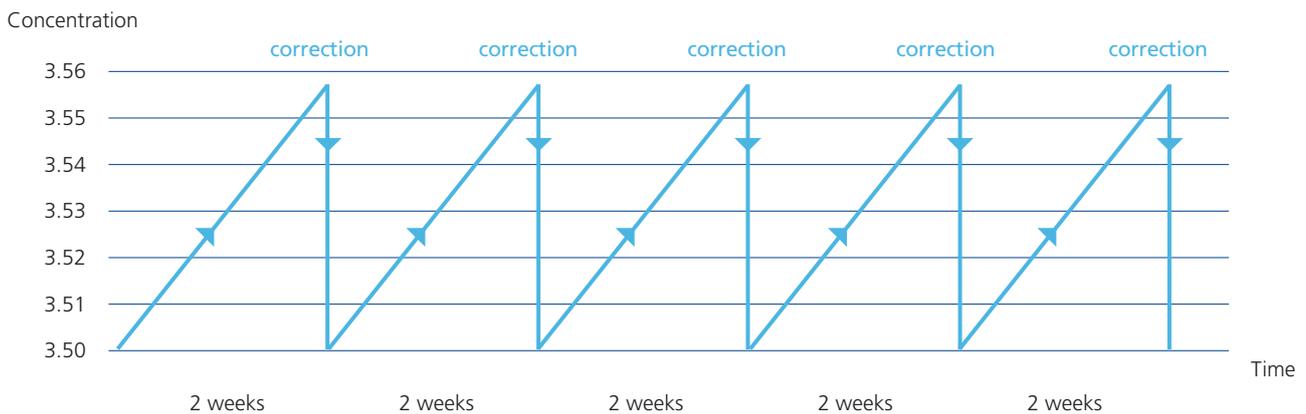
With MilkoScan™ FT3, we have made it possible to ensure a consistent high performance at a low cost of ownership.

Always standardised and no more instrument drift

High performance has been achievable for decades but maintaining it can be a burden on the modern dairy due to the time and resources involved.

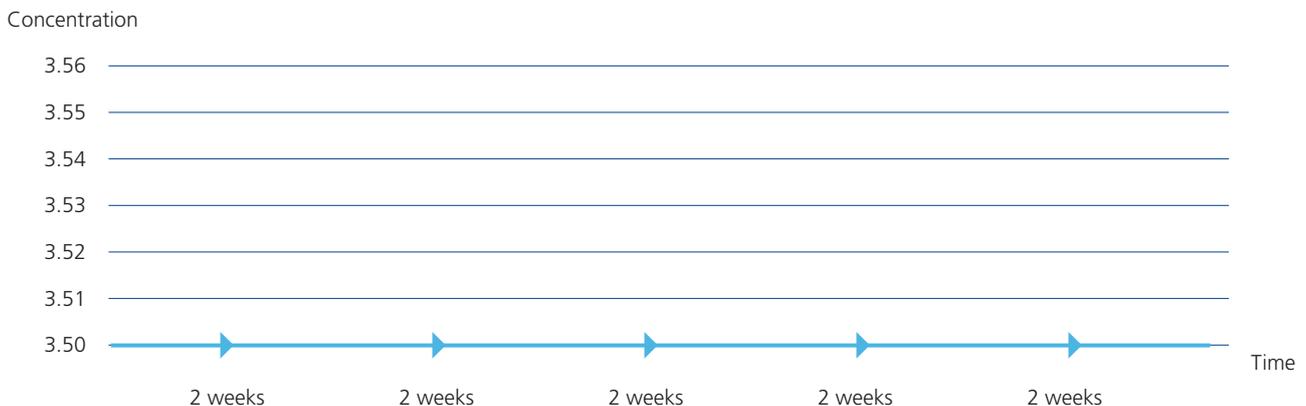
A game-changer delivered by the MilkoScan FT3 is the new patented automatic standardisation that runs every second hour. This avoids instrument drift and ensures stable results over time. There is no need to perform time consuming standardisation checks with associated use of chemical reagents, significantly reducing the need for costly reference analysis.

Standardisation today



High accuracy has been achievable for decades, but as instruments wear over time - maintaining accuracy can be costly and time-consuming.

Standardisation with MilkoScan™ FT3



MilkoScan™ FT3 performs an automatic standardisation every two hours that ensures the instrument cannot drift, i.e. results are stable over time.

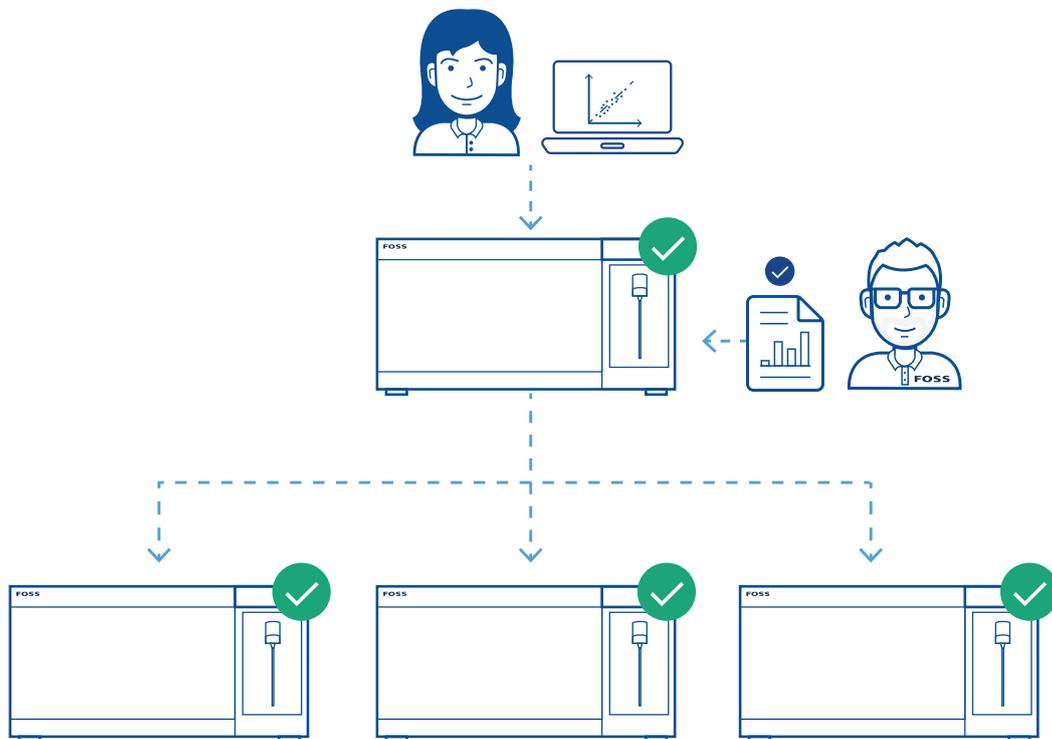
Exceptional transferability

Transferability is about getting the same result on different instruments for the same sample. Achieving high transferability is essential as populations of instruments installed both within a single factory and across different production sites are increasingly common. The automatic standardisation of MilkoScan™ FT3 ensures exceptional transferability and MilkoScan FT3 is the first ever milk analyser to offer a specification of transferability (0.5% Cv).

Connect your instruments in a network

As the industry consolidates and becomes more global so does the number of instruments within each dairy. With MilkoScan FT3 you can rest assured that all instruments in a network always measure the same. This makes it simple to run a master/satellite set-up in which a master instrument keeps the other networked instruments updated. This reduces the workload of maintaining all the calibration models and result validations.

- Master/satellite instrument concept enables sharing of slope/intercept adjustments within a product category and across instruments
- Even with multiple instruments in a network, you only have to maintain calibration models and validate the results on one master instrument



Excellent transferability ensures that all instruments are the same and that calibrations can be shared in a master/satellite set-up, saving time and money on managing calibrations.

EXCEPTIONAL UPTIME MADE SIMPLE

Instrument downtime is a major concern for any dairy. MilkoScan™ FT3 offers unrivalled levels of instrument uptime to support your daily operations.

Intelligent troubleshooting

MilkoScan FT3 has a unique and advanced self-diagnostic system that continuously monitors the condition of all the vital components and provides fast and easy troubleshooting. It automatically sends a notification to the operator if one of the components require maintenance. It can also be used during troubleshooting to resolve issues before they become a problem.

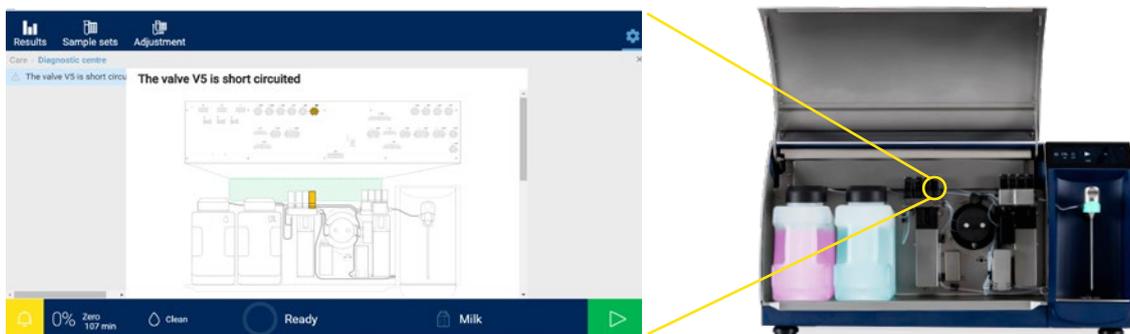
Peace of mind with connected services

MilkoScan FT3 provides the most comprehensive digital and onsite service offerings including remote monitoring and online support. Uptime is safe-guarded and troubleshooting alleviated, setting you free to do your job in pursuit of improved business performance.

- Get your MilkoScan FT3 up and running from day one with support from a FOSS specialist
- Tailored MilkoScan FT3 SmartCare™ service solutions provide exceptional performance and uptime
- Ensure that your instrument and your operations are running at their best
- Know that your MilkoScan FT3 is always delivering consistently accurate results

Instrument diagnostics with more than 100 solving hints

Diagnostic sequences and a large number of in-built sensors help you to spot any potential issues and find a timely resolution. For instance, the MilkoScan FT3 will help you to check the all-important flow system and then offers relevant troubleshooting hints. These might include 'sample present under pipette', 'cuvette filter clogging', 'check for air in the flow system' and many more.



A unique and advanced self-diagnostic system provides excellent troubleshooting capabilities including a large number of solving hints that enable quick resolution.



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