





# DairyQuant B3

## DairyQuant B3

The DairyQuant B3 from Q-Interline is based on the latest FT-NIR technology from ABB Bomem, the world leader in FT-NIR technology. The equipment combines exceptional performance with low cost of ownership.

-  Exceptional spectral performance
-  Optimized sampling solutions
-  No scheduled maintenance
-  Powerful software package with InfraQuant and Horizon QI

The DairyQuant B3 has been developed for analysis of heterogeneous products, e.g. cheese, but many other types of products can be analyzed using the DairyQuant B3.

The DairyQuant B3 is the result of the combining of world class technology with Q-Interlines extensive knowledge and experience in the field of FT-NIR.

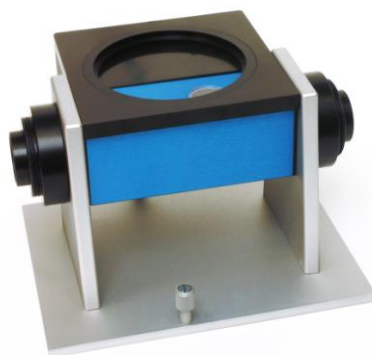
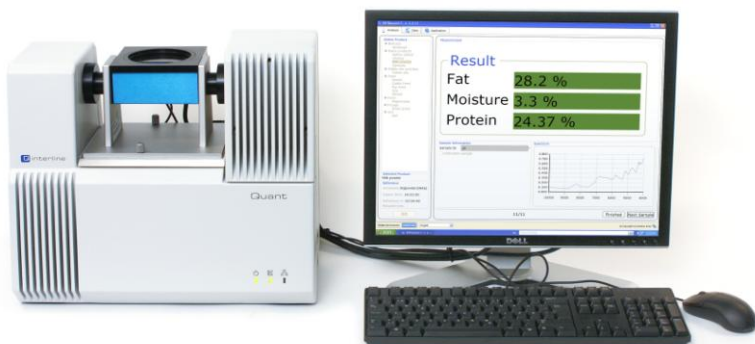
## Sampling

The sample is analysed in 100mm petri dishes by reflection measurements on the QIA1026 sampling accessory developed and produced by Q-Interline.

The petri dishes can be made of either glass, plastic or Teflon depending on local requirements. Teflon is especially suitable for production sites where glass and plastic are not allowed on site.

The sample is spinning during analysis. This ensures representative sampling, that the analyzer is seeing a large part of the sample and that effects from product heterogeneity is reduced.

After analysis the glass and Teflon petri dishes can be cleaned and reused many times. Keeping the cost per analysis very low. Plastic petri dishes are normally disposed off.



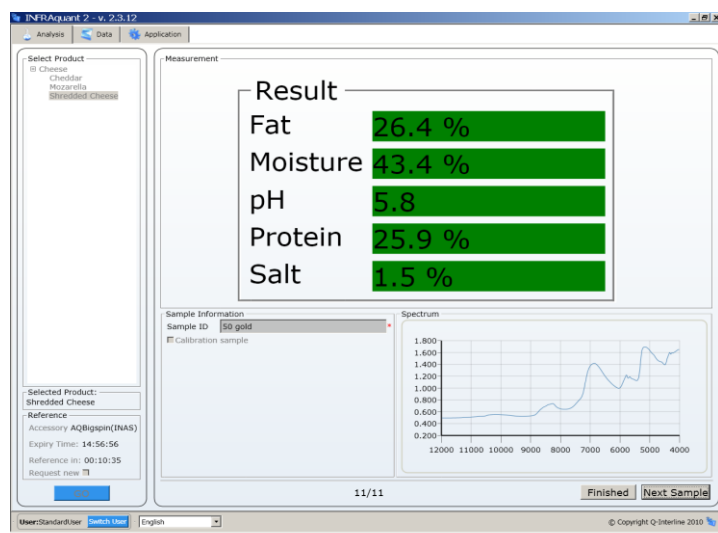
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## Workstation



The DairyQuant B3 comes with an external computer which enables the use of a range of add-ons, offering the user maximum flexibility, e.g. touch screen, label printer and barcode reader.

The DairyQuant B3 comes with an external PC which enables rapid upgrade on-site. This reduces any downtime of the equipment to a minimum.



## Software suite

The DairyQuant B3 is supplied with a powerful software suite comprising

-  InfraQuant 2.5 user software
-  Horizon QI spectroscopic software.

## InfraQuant

InfraQuant 2.5 is an easy to use FT-NIR QC software, combining maximum security with operator friendliness. InfraQuant 2.5 is used to collect, present and handle analytical results. Results of the analysis are presented with clear figures with integrated color codes. The color codes reflect the validity of the results measured against preset criteria.

## Horizon QI

Horizon QI offers a series of strong spectroscopic tools e.g. spectrum collection, viewing and manipulation, instrument validation, advanced instrument health and a series of add-on modules to Horizon QI.

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## Low cost of ownership

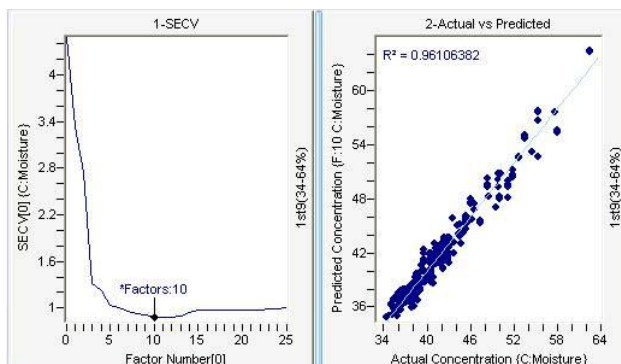


## Low cost of ownership

The DairyQuant B3 offers low cost of ownership since it has no scheduled maintenance for the first many years to come.

The light source in the DairyQuant B3 has an expected lifetime of 10 years and the laser has even longer expected lifetime.

This will save the owner the cost for expensive maintenance contracts, which has to be signed for many other analytical instruments.



## Quantum calibrations

Through Q-Interline Quantum calibration program, there is a substantial amount of starter calibrations available for the DairyQuant B3. The starter calibrations will enable you to get a faster start-up with the DairyQuant B3.

If you need to build calibrations for your specific application, Q-Interline and our local partners have calibration experts at hand to assist you.

Contact your local Q-Interline representative to learn more about the Quantum calibrations and how we can accommodate your specific requirements

You can find more information on [www.q-interline.com](http://www.q-interline.com)