

NeoSpectra®

One platform to handle all your
NIR data, devices, and calibrations

BUCHI



Start Using Neospectra Portals



ProxiScout

Manage ProxiScout analyzers,
models, and results



NIR-Online

Manage NIR-Online process analyzers
and SX-Suite instances



ProxiMate

Manage your ProxiMate results and
calibrations.



LabLake

Remote management of multi-
supplier models, materials, and
results



Download Neospectra Apps



Scan App

Select material, analyze
and get results in seconds



Collect App

Kickstart your calibration
model development



Conformity App

Create custom models and
get instant pass/fail results



Help/support

Have a question or need assistance?



NeoSpectra® NIR Hub

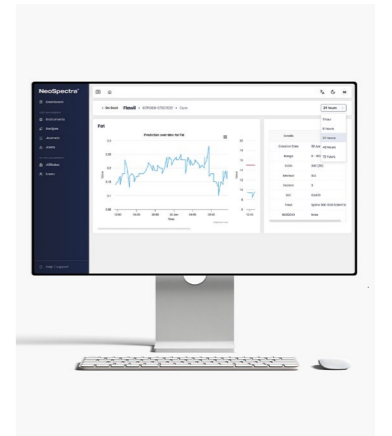
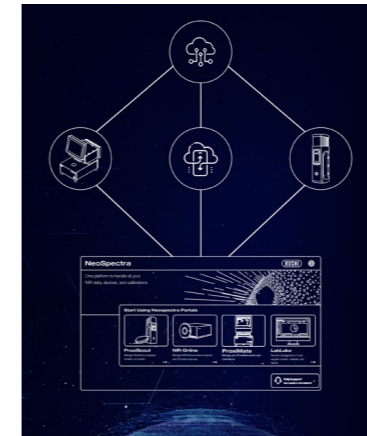
Unify Your NIR Data and Unlock Smarter Decisions



Centralized Control, Real-Time Insights

One platform for connected NIR operations

The NeoSpectra® NIR Hub brings your ProxiMate™ and NIR-Online data together into one centralized platform. It enables you to monitor your operations, manage calibrations, and act on insights in real time across instruments and locations.



Centralized data access

All your NIR data in one place

Access measurement data, calibration files, and instrument information across your entire network from a single platform. Instead of working with isolated systems, the portal connects your instruments and sites, giving you a complete and consistent view of your operations.

Data-Driven decision making

Turn data into actionable insights

Analyze trends, compare performance across sites, and track calibration changes over time. With clear data visualization and historical tracking, you can make informed decisions that improve consistency, efficiency, and product quality.

Real-Time Monitoring for NIR-Online

See what's happening as it happens

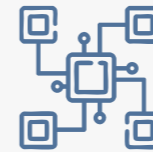
Monitor current measurement values, instrument status, and active processes in real time. The dashboard provides immediate visibility into your operations, allowing you to detect deviations early and respond without delay.



Centralized Data Access

All your NIR data in one place

The NeoSpectra® NIR Hub connects your ProxiMate™ and NIR-Online systems through a structured data flow that ensures secure synchronization, centralized access, and continuous availability of your operational data.



Instrument connectivity

ProxiMate™ and NIR-Online instruments generate measurement data locally. Through the SyncApp, this data is securely transferred to the portal, ensuring that all relevant information is continuously available without manual intervention.



Central data hub

The portal acts as a central hub where measurements, calibration files, and recipes/applications are consolidated. This eliminates data silos and ensures that all stakeholders access the same, up-to-date information across sites.



Access anytime, anywhere

Users can securely access the platform from any location, enabling remote monitoring, faster collaboration, and better decision-making across teams and production sites.



Data-Driven Decision Making

Turn data into actionable insights

By connecting your instruments and centralizing your data, the NeoSpectra® NIR Hub transforms how you manage quality, efficiency, and decision-making.



Faster decision-making

Access up-to-date data instantly and make informed decisions without delay, improving responsiveness across your operations.



Improved quality and consistency

Standardized calibration management and continuous monitoring ensure consistent product quality across production lines and locations.



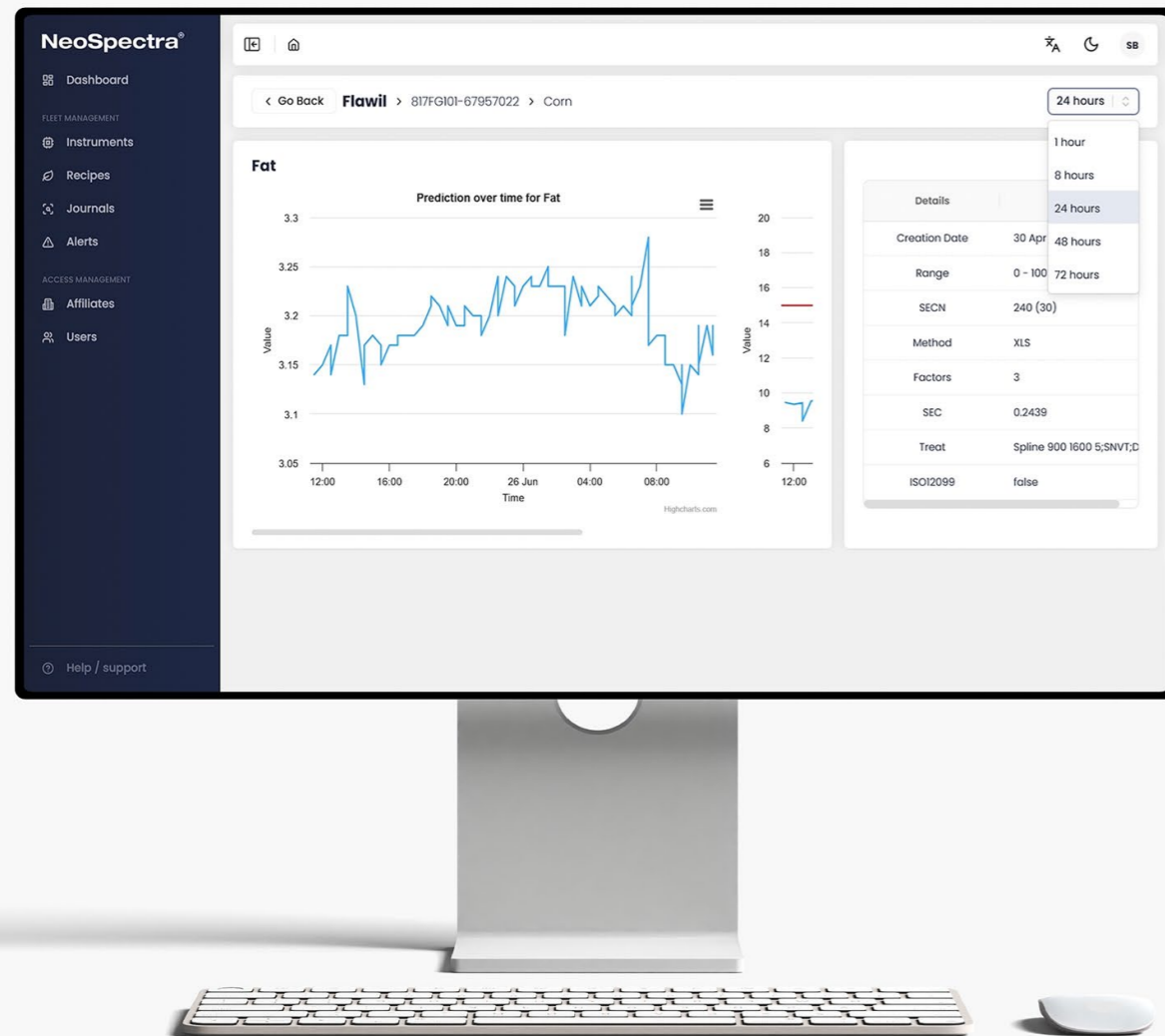
Increased operational efficiency

Reduce manual data handling, streamline workflows, and focus resources on high-value activities.



Scalable digital infrastructure

The platform supports expansion across instruments and sites, providing a scalable foundation for future growth.



Real-Time Monitoring for NIR-Online

See what's happening as it happens

The NeoSpectra® NIR Hub dashboard provides a live overview of your connected NIR-online instruments, allowing you to monitor performance, track measurements, and identify issues instantly.



Live measurement monitoring

Track current measurement values and process parameters directly from your NIR-online instruments. The dashboard provides immediate insight into what is happening through your operations.



Instrument status overview

View operational status, active recipes, and system conditions for each connected instrument. Quickly identify outliers or deviations that require attention.



Historical data tracking

Access measurement history and visualize data over selected time periods (up to 72h). This allows you to analyze performance trends and investigate past events.

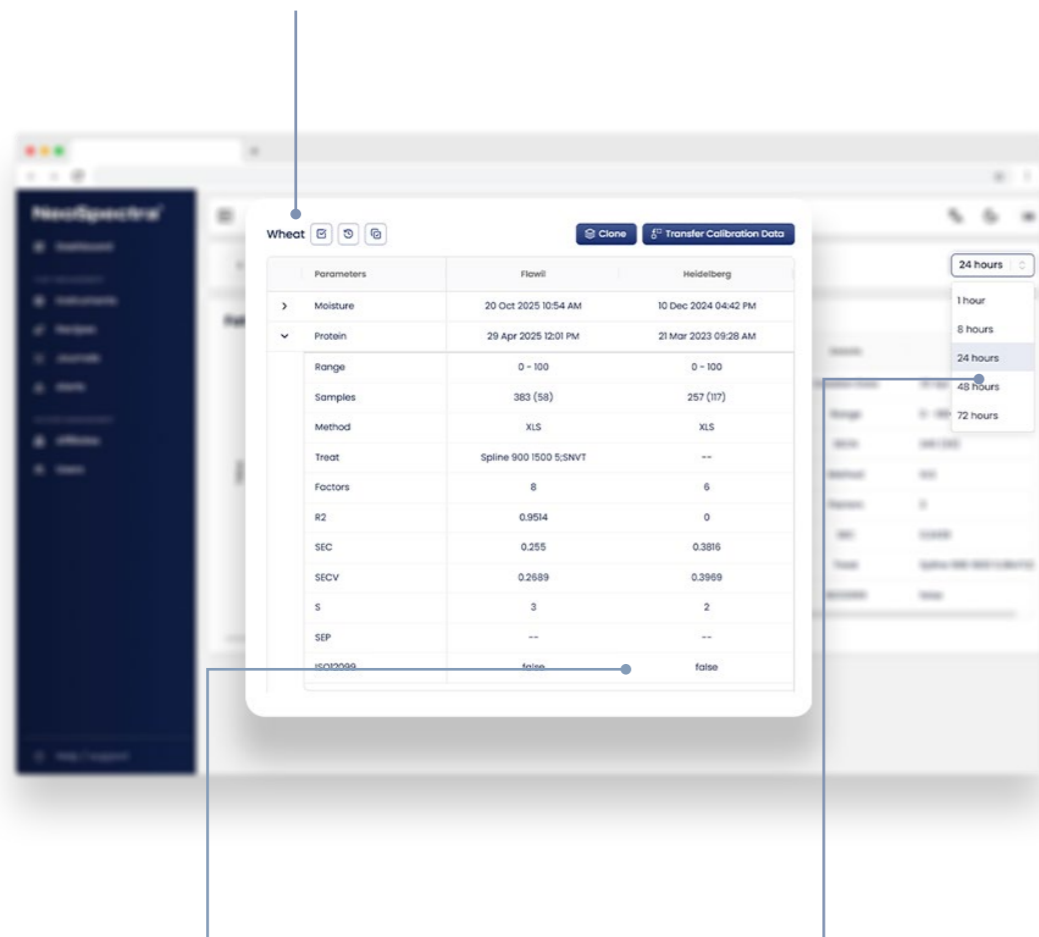
Calibration and Data Management

Optimize and Standardize Your Calibration Workflow

Managing calibration data across multiple instruments and locations can be complex. The NeoSpectra® NIR Hub simplifies this process by providing structured tools to maintain traceability and improve performance.

Calibration version control

Monitor calibration history, deploy updates, and roll back to previous versions when needed. This ensures stability and traceability across your operations.



Cross-site comparison

Compare calibration performance across different instruments and sites. Share calibration data to align processes and maintain consistent measurement quality.

Advanced data analysis

Access measurement records, spectra, and reference values. Evaluate calibration accuracy and continuously improve your models using structured data insights

Alerts and Collaboration

Stay Informed Act Immediately

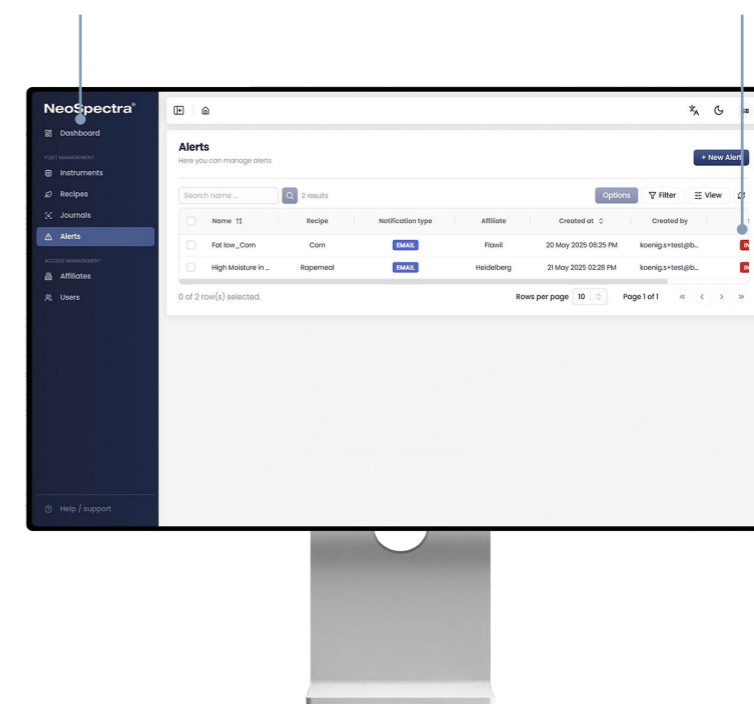
The NeoSpectra® NIR Hub helps you stay ahead of process deviations by providing automated alerts and enabling seamless collaboration across teams.

Alerts and proactive control

Set thresholds and receive instant alerts on deviations, enabling real-time response to adjust processes, reduce waste, and avoid costly errors.

Collaboration across teams

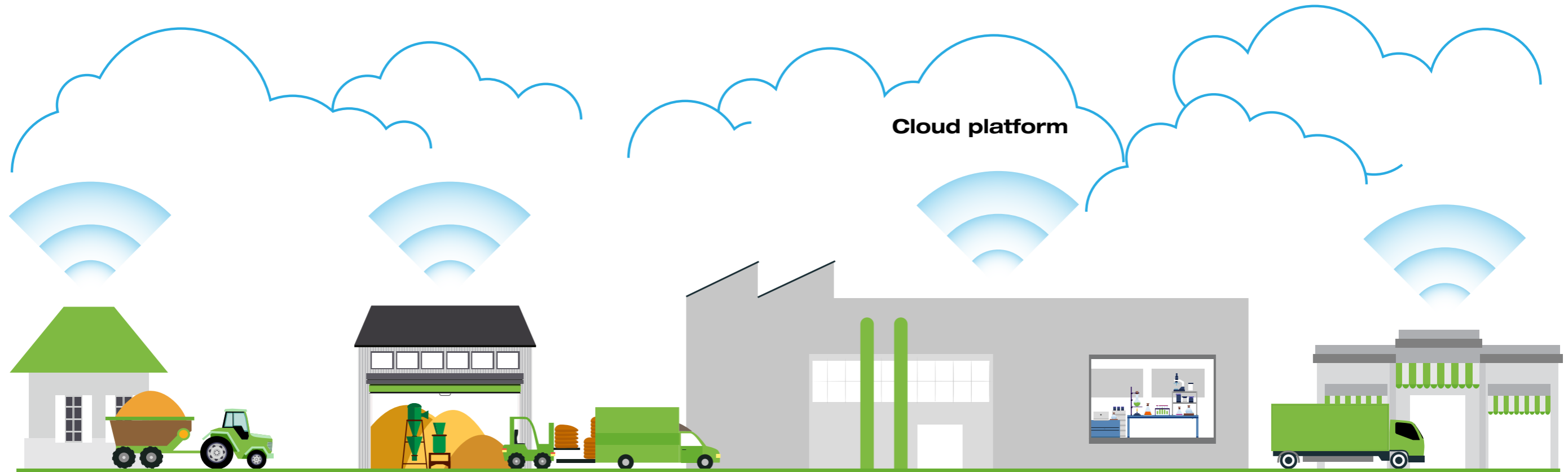
Enable teams across locations to access the same data, share insights, and make coordinated decisions based on a unified data source.



Connected across your entire NIR workflow

BUCHI enables NIR analysis across the full value chain from in-field analysis to at-line and in-line process control.

For in-field applications, NeoSpectra® portal for ProxiScout™ provides dedicated access to manage the handheld scanners, data, and calibration models complementing the NeoSpectra® Portal for ProxiMate™ and NIR-Online. Where both platforms are accessible through a shared entry point enabling seamless access and management of your NIR instruments across different applications.



Field **Ingredient Reception** **Production** **Laboratory** **Distribution Logistics**



Value

- Monitor crops for maturity and optimal harvest.
- Segregate lots based on quality for consistency and optimal pricing.
- Minimize claims with harvest monitoring.

- Increase the amount of controlled raw material.
- Rapid determination of important quality parameters.
- Adequate payment of suppliers.
- Fast subsequent processing.
- Segregation.

- Frequent checks of component levels.
- Rapidly quantify constituents.
- Optimize formulations and processes.
- Avoid re-work or waste.

- Control production specifications.
- Ensure consistent quality.
- Adhere to legal requirements.
- Remove bottlenecks in production.

- Monitor critical quality parameters of key ingredients.
- Verify quality to contract specifications.
- Identify out-of-specification ingredients for returns or claims.

Requirements

- Fast results.
- Mobility.
- Easy-to-use instrumentation.
- Geo-tagged results.

- Fast and reliable results.
- Traceability.
- Mobility.
- Robustness.

- Fast or continuous measurements.
- Easy-to-use instrumentation.
- Interface to process control system.
- Robustness.

- Fast and reliable results.
- Traceability.

- Fast results.
- Mobility.
- Easy-to-use instrumentation.
- Various checkpoints.

Core messages to our customers

BUCHI creates added value

“Quality in your hands” is the guiding principle that shapes our philosophy and our actions. It challenges us to provide outstanding services that are precisely tailored to your needs. This means that we must stay in close contact with our customers. That is why we keep in touch and continue to work very hard to understand you and your business even better.

We help you by providing high-quality products, systems, solutions, applications and services that offer you added value. This allows you to focus entirely on your processes and your work.



Competent

We have the technological expertise and decades of experience needed to provide competent support and work with you to continually improve our services.



Reliable

We guarantee the quality and functionality of our equipment and will continue to help you quickly and efficiently whenever something does not operate to your satisfaction.



Safe

By collaborating closely with you, we do everything in our power to make our products, systems, solutions, applications and services as safe as possible for people and the environment.



Cost-effective

We strive to create a high level of economic benefit and maximum added value for you.



Global

As an international family-owned business with own subsidiaries and qualified distributors, we have a presence wherever you are located.



Easy

We support you by providing carefully designed solutions as well as instruments and systems that are easy to operate.



Sustainable

We support environmentally friendly processes and manufacture products that have a long service life. We utilize advanced technologies to leave the smallest environmental footprint possible.

We are represented by more than 100 distribution partners worldwide.
Find your local representative at:

www.buchi.com

Quality in your hands

