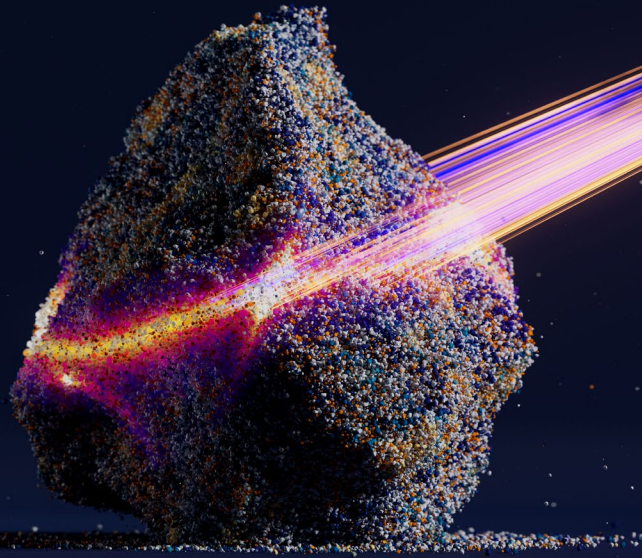




Why NIR?

Fast, reliable insights for better decisions from raw materials to finished products.

From data to decisions, instantly.



What is NIR?

Near-Infrared (NIR) Spectroscopy uses light to analyze material composition instantly and without chemicals.

01.



Light hits the sample.

02.



The sample absorbs it.

03.



The system converts this into key quality parameters.

What you can measure?

- Moisture.
- Fat.
- Ash.
- Starch.
- Lactos.
- Protein.
- Fiber.
- Sugar.
- Gluten.
- Salt and many more.

Why NIR?

NIR enhances your existing quality workflow by bringing real-time insights into your daily operations. It helps you decide when to act immediately and when deeper lab analysis is needed.



Decide Faster.



Control Quality in Real Time.



Reduce Costs and Waste.



Work Smarter Across Teams.

Test

Decide

Act

Improve

- Analyze in seconds.
- Increase testing frequency.

- Identify deviations.
- Decide on next actions.

- Adjust processes.
- Prevent losses.

- Optimize continuously.

Where value comes from

- Faster decisions.
- More testing.
- Early detection.
- Smarter lab use.

Typical business impact

- Reduced delays.
- Process stability.
- Less waste & rework.
- Efficiency gains.

Use NIR for speed and control use the lab for validation and depth.

Where NIR fits in your operations?

Field

- Measure variability early.

Incoming

- Verify raw material quality quickly.

Production

- Track key parameters continuously.

Final Product

- Confirm specifications reliably.

One ecosystem, every step covered.



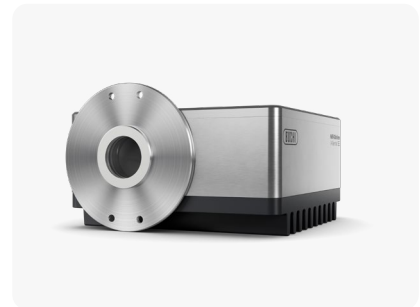
ProxiScout™

- In-field and incoming/final production.
- Instant analysis anywhere.



ProxiMate™

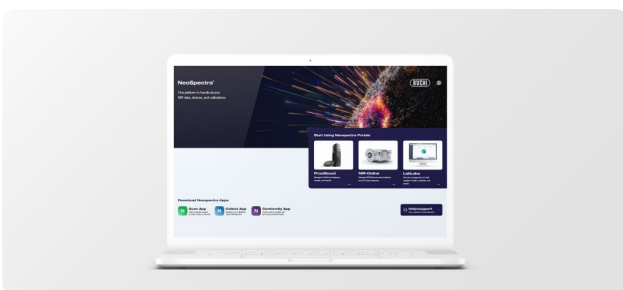
- At-line production checks and lab analysis.
- Fast, robust, easy.



NIR-Online

- In-line monitoring.
- Continuous optimization.

Unify your data with NeoSpectra® platform



- Centralized data.
- Multi-site visibility.
- Historical trends.
- Remote access.

Ready to make better decisions?

Book a demo or learn more at www.buchi.com