



PRODUCT BROCHURE

Material insights, right where decisions happen.

Portable NIR analysis that connects
agronomic decisions with measurable crop
quality and composition outcomes.

13M+ analyses | 10,000+ users | 44 granted patents

cropx



Scan more. Know more. Act faster.

Bring reliable material analysis from the lab to the field, harvest, production line and wherever decisions are made.

50+

Models

10,000+

Users

13m+

Analyses

180+

Countries

01 SCAN

Bring NIR analysis directly to the point of decision. SCiO Mini fits in your hand, while SCiO Cup is a closed system designed for larger sample sizes

Simple workflows and zero warm-up make it practical to take more measurements, more often - in the field, at harvest or in production.

Portable | Non-invasive | Simple to use

02 ANALYZE

Patented miniaturized NIR technology captures material composition quickly and reliably. Cloud-based analytical models turn spectral measurements into actionable material insights.

Measure quality and composition parameters such as moisture, protein, oil, fat, Brix and other application-specific characteristics.

Reliable NIR | Cloud models | Actionable data

03 ACT

Turn every scan into connected data. Results can be available across teams and locations, with online and offline scanning and synchronization when connectivity returns.

By linking quality outcomes with agronomic decisions, SCiO helps close the loop from planting to harvest and supports smarter insights over time.

Connected | Measured outcomes | Smarter decisions

Material analysis across the agricultural lifecycle.

From field and harvest to processing and post-harvest operations, SCiO brings quality and composition data closer to the decision.



Corn kernel

Fast, non-invasive moisture insights on the cob to support decisions, such as harvest timing



Grain

Portable analysis for grains and oilseeds, including moisture, protein and oil.



Feed

Frequent dry-matter checks where feed and ration decisions happen.



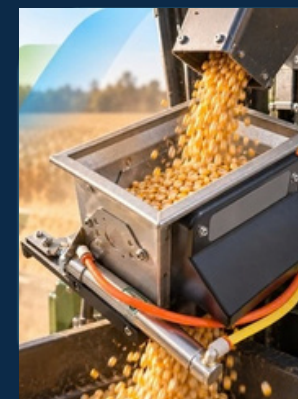
Cheese

Fast moisture, fat and protein insights directly during production.



Fruit

Non-destructive Brix insights for berries from harvest through distribution.



Combine

Integrated sensing connects harvest measurements with digital workflows.

Analyze more. Wait less.

Portable NIR analysis gives teams faster access to crop-quality data where the work happens.



Corn kernel analysis

Put crop-quality information directly in your hand. SCiO Mini provides fast, non-invasive corn moisture insights before harvest, making it practical to take more measurements across a field and support confident harvest-timing decisions.

Grain analysis

SCiO Cup brings NIR analysis to grains and oilseeds, including soybean, corn, wheat, barley and canola. Its larger sample capacity helps improve representation of non-homogeneous materials, while connected results support decisions across teams and locations.

From field to storage

Instead of collecting every sample and waiting for laboratory results, analyze materials where decisions are made. More measurements, more often, can give growers, agronomists, processors and quality teams faster access to the information they need from harvest through storage and processing.

Know what is in your grain. Right where decisions happen.

SCiO Cup brings crop-specific quality and composition analysis closer to harvest, storage and processing-with ready-to-use NIR calibrations for key grains and oilseeds.

CROP	AVAILABLE ANALYSIS	SUPPORTED RANGE	TEMP. RANGE	Product
Soybean	Moisture Protein Oil	5-24% 30-40% 16-25%	0-50 C	SCiO Cup 
Corn	Moisture Protein Oil Starch	6-36% 4-15% 2.7-7.3% 63-76%	0-40 C	SCiO Cup 
Wheat	Moisture Protein	8-20% 8-18%	0-50 C	SCiO Cup 
Barley	Moisture Protein Nitrogen	8-20% 8-16% 1.3-2.6%	10-35 C	SCiO Cup 
Canola (Beta)	Moisture Oil	4-14% 43-52%	5-30 C	SCiO Cup 

Basis: Soybean 13% moisture; Wheat 12% moisture; Barley, Corn and Canola on dry-matter basis, as specified in the calibration sheet.

PRE-HARVEST CORN MOISTURE - SCiO Mini

Corn ear 8-80% | Shelled corn 10-80%

Measure moisture directly in the field to support pre-harvest decisions, such as harvest timing.

Calibration operating range: 3-40°C.



Fast material insights where work happens.

Simple, repeatable NIR workflows make everyday quality decisions faster across feed, forage and dairy production.



ON-FARM FEED

**More measurements.
More confident feed
decisions.**

Bring dry-matter analysis directly to the farm. SCiO supports corn silage, green chop corn and haylage, grass, legume and mixed silage, dry hay, high-moisture corn, dry shelled corn and TMR.

Fast, repeatable measurements make it easier to scan more often, follow changing feed moisture and use current material data to support ration decisions.



CHEESE ANALYZER

**Quality insights, right on
the production floor.**

Move routine quality checks closer to production with fast, non-destructive analysis of moisture, protein and fat. One workflow supports hard, semi-hard, soft and fresh cheeses.

Connected results make it easier to compare batches and share quality data, while offline scanning keeps work moving when connectivity is unavailable.

From berry to insight in seconds.

A simple SCiO Cup workflow makes it practical to measure more berries, more often-without destroying the sample.



01 PICK



Take a berry sample

Pick berries from the field, a harvest batch or incoming produce. No complicated sample preparation or lab setup required.



02 SCAN



Place berries in the SCiO Cup

Put the berries into the cup, close it and press the button. The measurement starts immediately.



03 KNOW



See results in the app

About 7 seconds later, quality results appear in the SCiO app so teams can act while the decision is still in front of them.

From one scan to connected fruit-quality data

Measure Brix non-destructively, compare batches and locations, and connect sweetness outcomes from farm to shelf.

Connect harvest outcomes to agronomic intelligence.

Integrated sensing brings real-world crop measurements in to the harvest workflow, helping close the loop between agronomic recommendations and measured outcomes.

Integrated harvest analysis

SCiO integrated sensing brings NIR measurement directly into harvest equipment. Ready-to-use calibrations can generate measurements such as plot weight, moisture, test weight and more as the crop is harvested - without adding a separate sampling workflow.

Online or offline

Built for real-world field conditions, measurements can be collected with or without connectivity. Data can synchronize in real time or in batches, helping make harvest outcomes available across digital workflows and teams.

From harvest data to smarter insights

Support for crops including soybean, wheat, barley, corn and canola makes one sensing approach useful across multiple harvest programs. Connecting measured outcomes with agronomic data creates the feedback loop that can strengthen future insights and recommendations.



Miniaturized NIR. Built beyond the lab.

Patented optical technology delivers sensitive NIR measurements in compact devices designed for everyday agricultural operations



SCAN TIME
7 - 10 sec

DISTANCE
Material dependent

CONNECTIVITY
Online + offline

OPERATING TEMP.
4-35 C

HANDHELD WEIGHT
800 g

SENSOR MODULE
170 mm high × 160 mm
diameter

Zero warm-up time, low power consumption and cloud-based analytical models make NIR analysis practical wherever agricultural and quality decisions are made.



Close the loop from agronomy to outcomes.

SCiO brings laboratory-grade crop quality and composition measurement to the point of decision - connecting CropX agronomic intelligence with real-world outcomes from planting to harvest and beyond.

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