

AgriNIR

PORTABLE NIR ANALYSER





PORTABLE NIR ANALYSER FEED ANALYSIS ANYWHERE, ANYTIME!

QUICK



Never wait to get results.
Analysis without sample
preparation!

EASY TO USE

From nutritionists to
farm staff, everyone
can use it!



RELIABLE



Analyse all types of
materials from forages to
grains to pellets.

AFFORDABLE

Unbeatable
price/performance
ratio!





..YOUR LAB ON THE GO..

AgriNIR is portable NIR Analyzer for Anywhere, Anytime grains, forages and slurry analysis. By taking NIR technology in field in the form of a portable NIR analyzer, farmers, consultants, growers and contractors can obtain **real-time results** while reducing costs from third-party testing. **AgriNIR** takes lab-proven technology off the bench and makes it usable by non-scientists. Results that are available within minutes **on-site** enabling actionable decisions that increase profitability.

CALIBRATIONS

- ✓ 7 components as standard on each analyser to pick from more than 100 ingredients available
- ✓ Up to 99 components on each analyzer
- ✓ Up to 30 parameters for each components (default is 7)

NIR COMPONENTS	PARAMETERS						
	MOISTURE	STARCH	CRUDE PROTEIN	ADF	NDF	ASH	CRUDE FAT
CORN SILAGE	YES	YES	YES	YES	YES	YES	YES
HAY	YES	NO	YES	YES	YES	YES	YES
HIGH MOIST CORN	YES	YES	YES	YES	YES	YES	YES
ALFALFA HAY	YES	NO	YES	YES	YES	YES	YES
GRASS SILAGE	YES	NO	YES	YES	YES	YES	YES
TMR	YES	YES	YES	YES	YES	YES	YES
SOYBEAN FLOUR	YES	NO	YES	NO	YES	YES	YES
CORN GRAIN	YES	YES	YES	NO	YES	YES	YES
WHEAT GRAIN	YES	YES	YES	NO	YES	YES	YES
ALFALFA HAYLAGE	YES	NO	YES	YES	YES	YES	YES
GREEN MAIZE	YES	YES	YES	YES	YES	YES	YES
GREEN GRASS	YES	NO	YES	YES	YES	YES	YES
SORGHUM SILAGE	YES	NO	YES	YES	YES	YES	YES
BARLEY GRAIN	YES	YES	NO	NO	NO	NO	NO
GREEN ALFALFA	YES	NO	YES	YES	YES	YES	YES
SOYBEAN GRAIN	YES	NO	YES	NO	YES	YES	YES

**MUCH MORE COMPONENTS
& PARAMETERS ARE ALREADY AVAILABLE
(PH, digestibility, sugar, etc)**

POSSIBILITY TO **CUSTOMIZE** YOUR NIR
INSTRUMENT WITH THE CALIBRATION CURVES
YOU WILL NEED FOR YOUR DAILY JOB

POSSIBLE TO DEVELOP NEW CALIBRATIONS
AND UPLOAD REMOTELY

AgriNIR

**NO NEED OF INTERNET CONNECTION
TO GET NIR RESULTS**



**REAL TIME
ANALYSIS**



**REAL TIME
RESULTS**



**REAL TIME
DECISIONS**

AgriNIR

EVERYTHING YOU NEED..

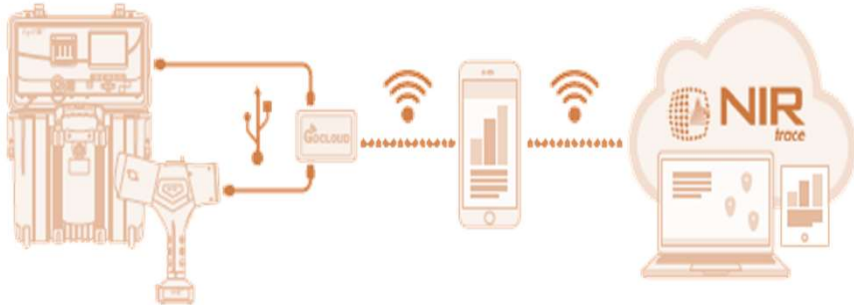


ANALYZER + DISPLAY + PRINTER + ACCESSORIES

NIR TRACE

Management software in cloud that allow to record organize and show NIR analysis:
Data analysis from X-NIR™ are transferred to the software through USB/WiFi

- Manage different customers/farms
- Multi filters (families/nutrients/customers) to create custom report and statistics
- PDF and Excel download of all analysis stored in the software
- Possibility to manage many NIR analyzers with a single software using different IDs
- Graphs to see the trend during the time



AgriNIR

NIR TRACE



The screenshot shows the 'Analysis History AgriNIR.X.NIR' window. It includes a filter panel on the left and a main data table. The table has the following columns: Id, Sample Id, Date of Analysis, Time, NIR Family, Ingredient Id, Ingredient, Ingrede nt, Buale to the Ingredient, % D.M, Customer Id, and Customo. The data rows include sample IDs 474 through 483, with various analysis dates and times, and NIR families like 'Distiller di cereali' and 'Farina di barbabietola'.

Id	Sample Id	Date of Analysis	Time	NIR Family	Ingredient Id	Ingredient	Ingrede nt	Buale to the Ingredient	% D.M	Customer Id	Customo
474	180 08/03/2022	11:17		Distiller di cereali				<input type="checkbox"/>	82.88		
473	184 08/03/2022	11:15		Distiller di mais				<input type="checkbox"/>	88.78		
472	183 08/03/2022	09:58		Polpa di barbabietola				<input type="checkbox"/>	90.57		
471	182 08/03/2022	10:47		Farina di grano duro				<input type="checkbox"/>	88.08		
470	181 08/03/2022	10:10		Farina di grano duro				<input type="checkbox"/>	88.64		
469	160 28/02/2022	18:00		Farina di grano duro				<input type="checkbox"/>	88.40		
468	159 28/02/2022	17:24		Distiller di cereali				<input type="checkbox"/>	95.81		
467	158 28/02/2022	17:23		Distiller di cereali				<input type="checkbox"/>	95.42		
466	137 28/02/2022	10:42		Farina di grano duro				<input type="checkbox"/>	88.03		
465	136 28/02/2022	10:10		Distiller di cereali				<input type="checkbox"/>	92.75		
464	155 24/02/2022	17:55		Polpa di barbabietola				<input type="checkbox"/>	90.93		
463	154 24/02/2022	17:54		Polpa di barbabietola				<input type="checkbox"/>	90.87		

AgriNIR

IN FIELD



ON FARM



IN LAB (CONSULTANTS-UNIVERSITIES)



MAIN USES

DEFINE CORRECT TIME TO HARVEST

CHECK QUALITY OF PURCHASED
MATERIALS

MANAGE FORAGES/GRAINS/FEEDING
VARIABILITY

TEST TMR QUALITY

POTENTIAL CUSTOMERS

DAIRY FARMERS

FEEDLOTS

FEEDING COMPANIES

SEEDING COMPANY

NUTRITIONISTS/VETERINARIES

CONTRACTORS/GROWERS/BIOGAS

NIRevolution



NIR EVOLUTION IS A CLOUD SOFTWARE TO
MANAGE YOUR NETWORK OF NIR ANALYZERS



UPDATE THE CALIBRATIONS & THE
FIRMWARE OF THE ANALYZERS REMOTELY



EVERY USER CAN LOCALIZE CALIBRATION
CURVES UPLOADING SPECTRA AND
REFERENCE VALUES



REMOTE SERVICIABILITY

DATA SET TRANSFERABILITY – OPEN PLATFORM



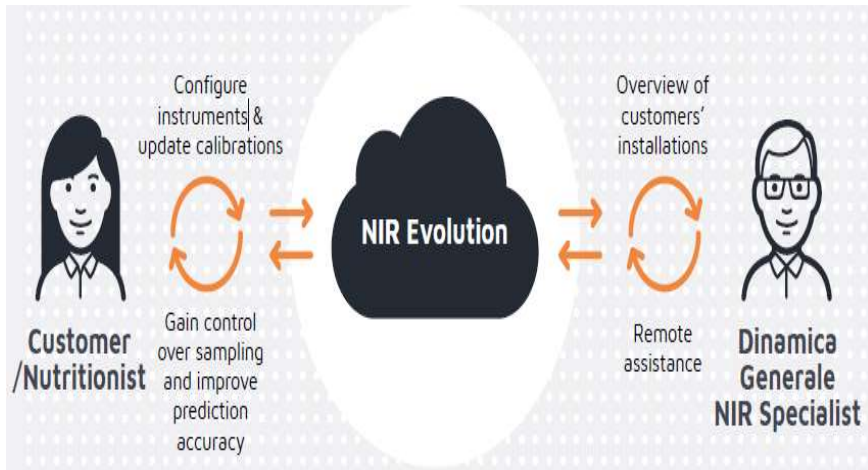
POSSIBILITY TO TRANSFER EXISTING CALIBRATION CURVES FROM THIRD PARTIES DATASET (FOSS, BRUKER, ETC) TO DG NIR ANALYZERS

DINAMICA GENERALE SOFTWARE ARE BASED ON OPEN PLATFORMS ALLOWING THE POSSIBILITY TO EXCHANGE DATA (IMPORT/EXPORT) WITH THIRD PARTIES SOFTWARE

AgriNIR

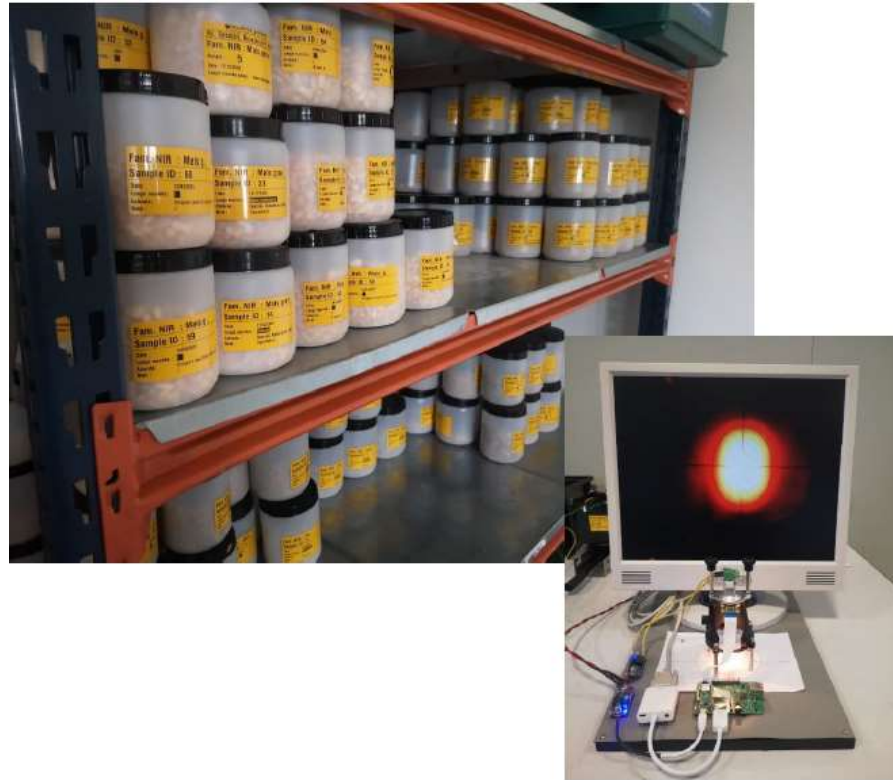
Thousands applications worldwide, vast on-site analysis experience and internal calibration curves generation capabilities are the foundations of our success.

Farm managers, nutritionists, biogas plant owners, growers and contractors are using Dinamica Generale NIR analyzers worldwide to make right decisions and take effective actions to optimize profits.



- ✓ Team of engineers and maths focused on NIR research and development
- ✓ In-house lab for extensive calibration curve creation capabilities

In Dinamica Generale, we can count on a laboratory with thousands of reference samples and with the most advanced technologies for testing, analysis and development of predictive models



QUALITY UPGRADE PACK

first year of QUP is included with the purchase of the analyser

The agreement includes:

- Extended warranty (1 or 5 years)
- Immediate verification and upgrade of calibration curves (if necessary) for 7 ingredients through the NIR Evolution Cloud software.
- Immediate identification of outlier samples through the NIR Evolution Cloud software.
- Hardware / software update to keep your device at top performance.
- Original spare part package: 1 x Lamp replacement kit, 1 x Glass replacement kit
- NIR Trace software to keep under control changes in forage quality over time thanks to statistics and reports on historical data.





**THANK
YOU**

www.dinamicagenerale.com