

# Phoenix 5000

## NIR Forage Analyzer



- Transfer Existing Calibrations
- Expert Calibration Handling
- State-of-the-Art Auto-Sampler
- Flexible Data Handling

## Next Generation NIR Analyzer

- 30 second analysis
- Optimize least cost formulations
- Transfer your existing calibrations
- Easy to use
- Multiple calibration options
- Integrated check standards
- Modern software features
- State-of-the-art auto sampler
- Fully automated

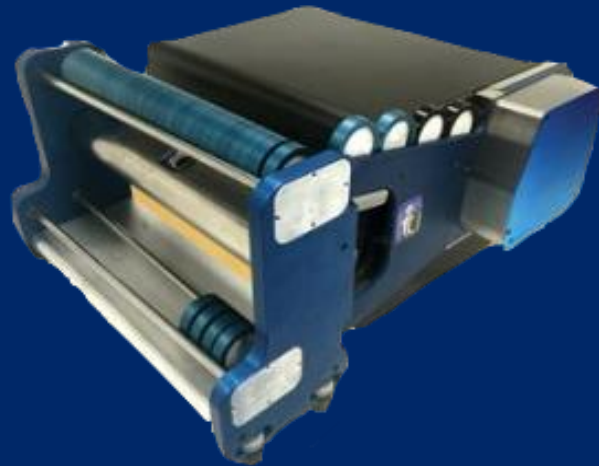
The new Phoenix 5000 NIR Forage Analyzer is the ideal solution for forage labs that need highly accurate rapid results for a variety of forage samples.

Calibration databases developed on other NIR platforms (Foss, Unity, etc.) can be easily transferred to the Phoenix 5000 and reliable results can be generated immediately.

The software is intuitively designed and easy to use. The Phoenix comes standard with a 5 position auto sampler (seen above).

A higher 30 capacity auto sampler is available upon request.

# 30 Position Auto-Sampler



Some labs receive hundreds to thousands of samples each season. This volume of testing can quickly consume an operator's entire day.

Our state-of-the-art auto sampler can be quickly programmed to run up to 30 samples in standard ISI ring cups.

Each cup can be scanned via RFID reader. An integrated sensor on the Phoenix 5000 matches the cup's RFID to the scan results.

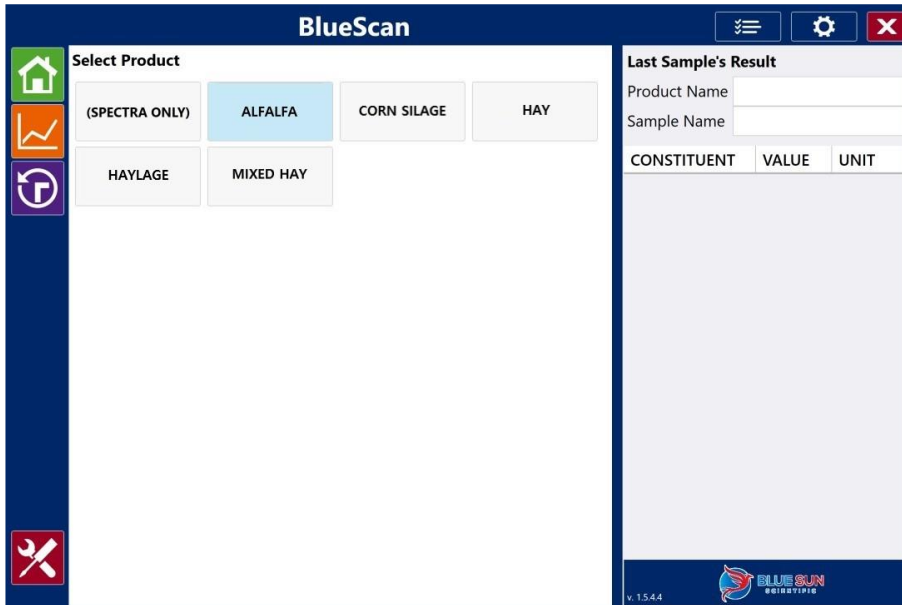
The operator can leave the instrument to perform the tests unattended while they concentrate on other testing and responsibilities around the lab.

\*A larger 50 position auto-sampler is also available.



# Introducing BlueScan

*Software so simple, anyone can use it*



The Phoenix 5000 is powered by BlueScan. This custom designed software is packed with features making it ideal for monitoring quality and optimizing production.

BlueScan's tab design ensures your information is just a click away. You can easily view results, historical data, spectra, generate reports and run diagnostics with the press of a button.

## Keep Your Database

The Phoenix 5000 NIR Analyzer offers unparalleled flexibility with calibration sources.

If you have existing calibrations that you have built and would like to keep, you can with the Phoenix 5000.

The Phoenix 5000 is backwards compatible to accommodate databases from many major NIR manufacturers, including FOSS™, and Unity Scientific™.

## Calibration Options

### Forage Consortium

The Forage Consortium releases updated NIR calibrations for Forages every year. We have worked closely with them for years and can install their calibrations on the Phoenix 5000.

### Transfer from Foss 5000 & 6500

The Foss 5000 and 6500 were widely used by Forage Labs and nutritionists for over three decades. Many of these labs have built custom databases with hundreds to thousands of samples each. With the Phoenix 5000, you can easily transfer your existing Foss 5000 and 6500 databases. You will find that they perform even better on the Phoenix 5000.

### Build Your Own

Many labs and universities prefer to use their own wet chemistry data and design custom calibrations that are unique to their customers and regions. If this is important to you, we offer a software and training bundle that will enable you to develop your own calibrations.

# Specifications

Part Number	BLU-5000-FRG
Accessories	FC-30 Auto-sampler allowing for 30 cup feed Part Number: BLU-0030-001
Peripheral Options	ITG RFID reader/writer, ITG specified bar code reader.
Wavelength Range	1100-2500 nm
Wavelength Selection	Scanning diffraction grating monochromator with nominal bandwidth of 10nm (FWHH). Configurable Data presented in 1nm or 2nm increments.
Temperature and Humidity	35 – 105 °F (1 – 40 °C) < 85%
Computer Requirements	Operating System: Windows 7 or better Memory (RAM): 2 GB or better Fixed Disk Drive Memory: 40 GB or better Ports: VGA display port, USB A, Ethernet RJ45 x 1
IP Rating	IP 62
Lamp Life	(Continuous Operation): 10,000 Hrs. (MTBF)
Power Requirements:	V~100-240, 50/60 Hz 2 A 250V, 2A
Dimensions:	12.25 in x 15.0 in x 10.125 in (L x W x H) ; 37 lbs

## Blue Sun Guarantee

The Blue Sun Guarantee is the industry's leading service and warranty program. It guarantees you start up quickly and avoid downtime and repairs. Every Blue Sun instrument comes standard with the Blue Sun Guarantee, which includes:



**BluePoint**<sup>®</sup>  
TECHNOLOGIES

- Free phone support
- Guaranteed Installation
- 1 Year Calibration Support and Development
- 1 Year Warranty on Parts