Phoenix 6000
NIR Analyzer

BLUE SUN SCIENTIFIC

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

Next Generation NIR Analyzer

❯ 30 second analysis

❯ Transfer your existing calibrations

❯ 680-2500 nm wavelength range

❯ Multiple calibration options

❯ Integrated check standards

❯ Modern software features

❯ State-of-the-art auto sampler
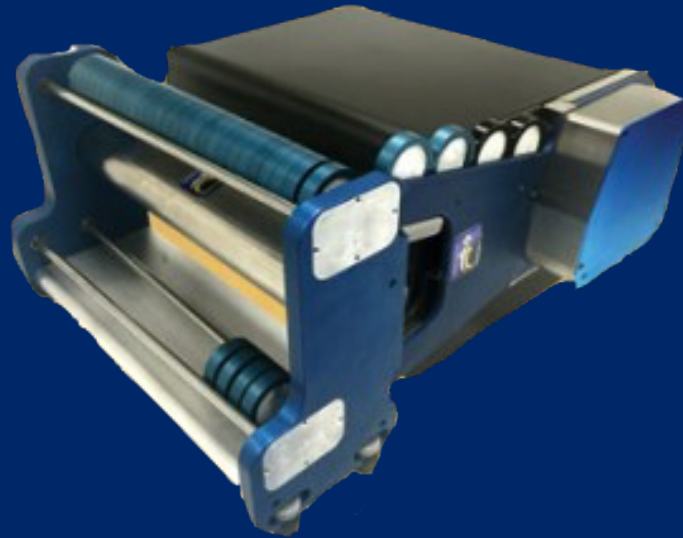
❯ Fully automated

❯ User friendly software

The new Phoenix 6000 NIR Analyzer is the ideal solution for quality labs that need highly accurate rapid results for a variety of samples.

Calibration databases developed on other NIR platforms (Foss, Unity, etc.) can be easily transferred to the Phoenix 6000 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.
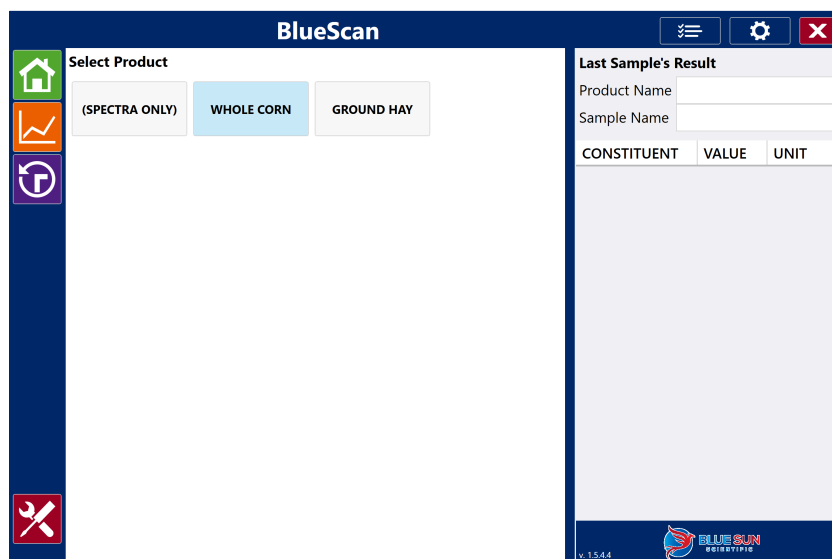
Each cup can be scanned via RFID reader. An integrated sensor on the Phoenix 6000 matches the cup to the scan results.

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

Introducing BlueScan

Software so simple, anyone can use it

The Phoenix 6000 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 6000 NIR Analyzer can be programmed with calibrations for many industries.

If you have existing calibrations that you have built and would like to keep, you can with the Phoenix 6000.

The Phoenix 6000 is backwards compatible to accommodate databases from many major NIR manufacturers, including FOSS™, and Unity Scientific™.

All Phoenix 6000 Analyzers are manufactured at our company headquarters in Jessup, Maryland.

Integrated Diagnostics

To ensure reliability and minimize downtime, the Phoenix 6000 comes with check standards integrated directly into the instrument.

A full diagnostics report can be generated in under 8 minutes unattended.

Specifications

Phoenix 6000 Part Number	BLU-6000-002
Measurement Modes Supported	Reflectance w/ rotating sample cup
Phoenix 6000 Standard Configuration	Phoenix 6000 Spectrometer w/ 5 cup rotating sampling unit
Other Configurations	Phoenix 6000 Top Window
Accessories (Optional)	FC-30 auto-sampler allowing for 30 cup auto feed Part Number: BLU-0030-001
Wavelength Selection	Scanning diffraction grating monochromator with nominal bandwidth of 10 nm (FWHH). Configuratble data presented in 1nm or 2nm increments. (0.5 nm optional)
Instrument Scanning Range	680-2500 nm
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
Peripheral options	ITG RFID reader/writer, ITG specified bar code reader.
Lamp Life	(Continuous Operation): 10,000 Hrs. (MTBF)
Size	12.25 in x 15.0 in x 10.125 in (L x W x H) ; 37 lbs
Power Supply	100-240VAC - 50/60Hz Single phase with ground - Fuses 2.0Amp 230VAC, 4.0Amp 115VAC

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:

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