

Phoenix 5000

NIR Potato Analyzer



- Analyze potato and potato products
- Results in 30 seconds for fat and moisture/solids

Next Generation NIR Analyzer

- Results in 30 seconds or less
- Monitor quality of incoming raw potatoes
- Control fat and coatings
- Control moisture during production
- Build COAs for finished product
- Transfer your existing databases from any NIR instrument
- User friendly software design
- Flexible data management

The new Phoenix 5000 NIR Potato Analyzer is the ideal solution for potato processors that need highly accurate rapid results before, during and after production.

The Phoenix 5000 offers 30 second analysis of many potato products:

Raw, Extruded, Flakes, Frozen, Fries, Pearls, Mashed

If you have already developed databases on any other NIR platforms (FOSS™ Unity Scientific™), you can easily transfer them onto the Phoenix 5000 and begin generating reliable results immediately.

EASY AS 1-2-3

Simply fill the sample cup, place it in the tray and press scan on the software.

The Phoenix 5000 will automatically scan the entire surface of the sample cup and provide results in 30 seconds or less.

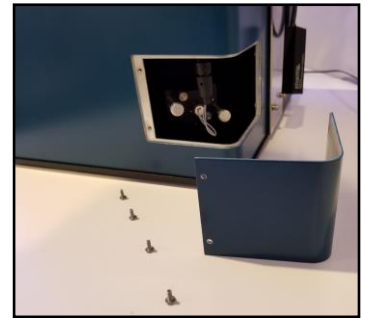
Your results can be immediately viewed in the software or transmitted via shared drive, LIMS or PLC.

Innovative Sample Car

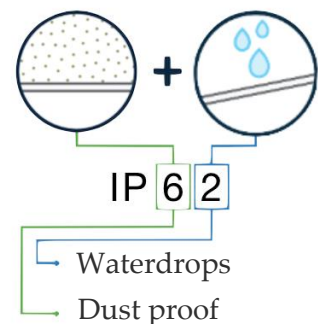
More than 85% of the sample area is scanned yielding more reliable and repeatable results

Easy to Access Lamp

The lamp can be replaced in under 5 minutes

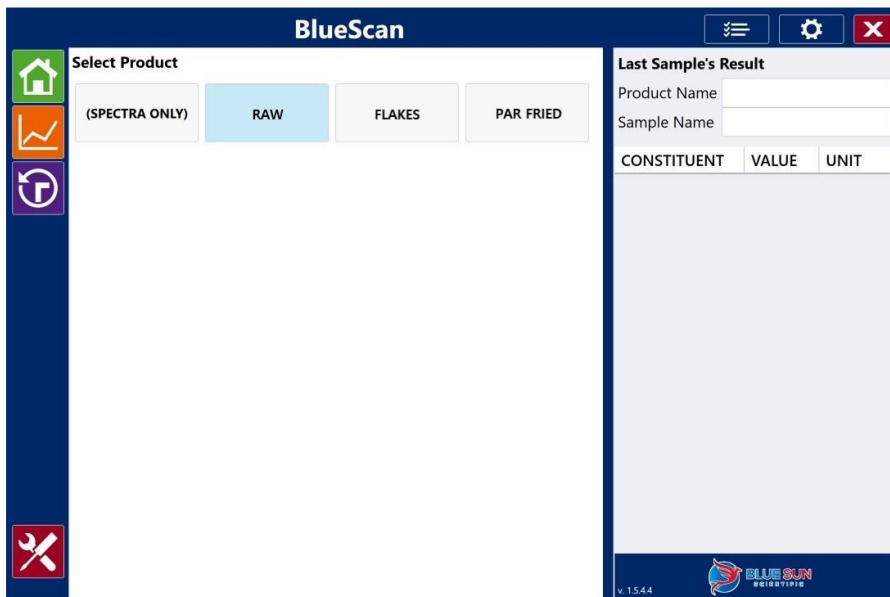


All Phoenix 5000 Analyzers are manufactured at our company headquarters in Jessup, Maryland.



Introducing BlueScan

Software so simple, anyone can use it



The Phoenix 5000 is powered by BlueScan. BlueScan is designed to simplify routine analysis and 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 Potato Analyzer comes standard with calibrations for potato and potato products.

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 with databases from many major NIR manufacturers, including FOSS™, and Unity Scientific™.



Monitor moisture and quality of raw potatoes



Control fat and coating during production



Verify quality of finished product

Specifications

Part Number	BLU-5000-POT
Includes	Phoenix 5000 NIR Potato Analyzer Calibrations for potatoes and potato products 2 x Large cups 1 x 25 mm cup
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%
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:	14.0 in x 15.0 in x 20.75 in (LxWxH) ; 34 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:



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