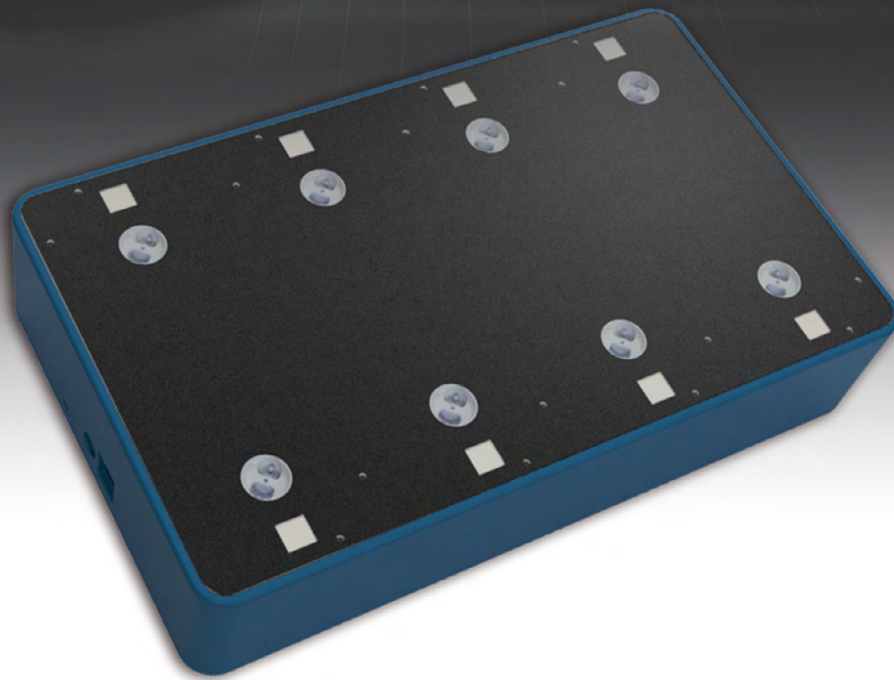


CREATE A FUTURE OF POSSIBILITIES



NIRONE[®] LabScanner

A Material Composition Scanner System for fast,
accurate Reference Data Collection

THE SMART SENSING REVOLUTION

START THE NEXT GENERATION OF SMART MATERIAL SENSING

Introduction

A compact and versatile material composition scanner system specifically designed for fast, accurate and reliable reference data collection.

Through a set sensor modules powered by machine learning, the LabScanner enables the collection of representative laboratory data and delivers it in a low-cost, portable platform.

Technology

The core of the LabScanner system are eight of our near-infrared spectral sensors combined with cloud connectivity to facilitate fast mass data management.

NIR-spectrometers are widely used in many fields to measure material content and have a proven track record in getting highly accurate measurement data in laboratory conditions - but in case of NIRONE sensors in a small, robust, inexpensive way.

Operation

Optical reading requires no sample preparation and does not alter or destroy the sample in any way. The system can be operated by easily trained personnel

to acquire a reference library of high-volume material in a product conformity respectively quality assurance laboratory.

Our solution enables the data gathering with a statistical distribution of spectra, without operator errors and it runs without continuous monitoring.

NIRONE Scanner Platform

The LabScanner is a part of the Spectral Engines Scanner Platform: a turnkey solution from that enables the rapid development of new innovative material detection applications. It provides complete instrumentation, communication methods, cloud platform, reference library creation and algorithm implementation.

Dimensions

330 (W) x 200 (L) x 60 (H) mm

13 (W) x 7.9 (L) x 2.4 (H) in

Weight

3 kg | 6.6 lbs

LabScanner System includes:

- NIRONE Sensor S2.0
- White reference target for calibration
- Scanning Software

With our solutions and services, data models can be developed for many materials. For example:

- Pharma Security
- Anti-counterfeiting
- Textile Identification
- Plastics Identification
- Narcotics Identification
- Moisture Analysis
- Soil Analysis
- Grain, Feed and Dairy analysis

LabScanner System Benefits

Cost Savings

- Fast measuring time
- No preparation of the samples
- Savings on shipping and external lab analysis costs

Accuracy

- No alteration or destruction of the samples

Knowledge Development

- Development of a globally accessible reference database due to the NIRONE Scanner Platform for on-spot testing

Anti-counterfeiting

- Protection of recipes (Composition is not read out)
- By big data and digitalization

It makes sense.