

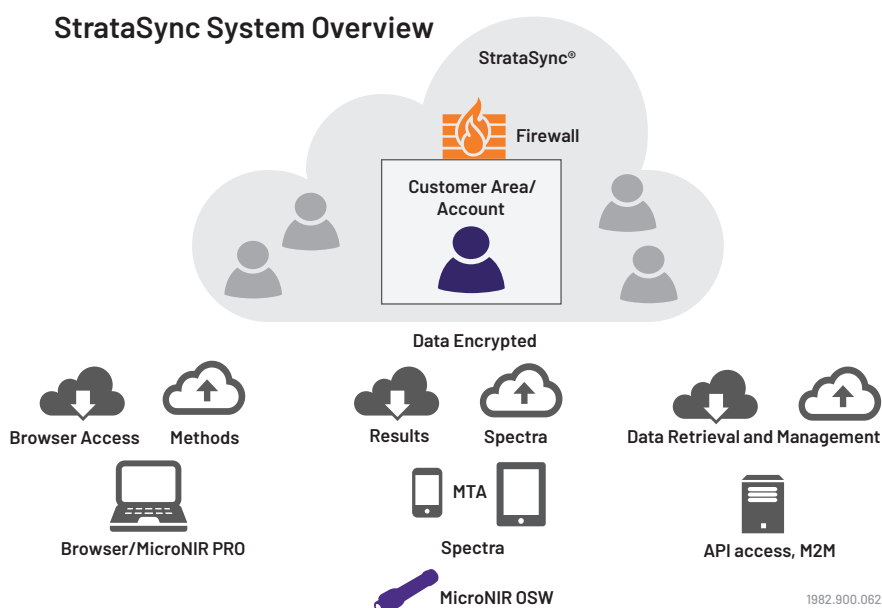
StrataSync for MicroNIR OnSite-W

StrataSync™ is a cloud-hosted solution offered by VIAVI that supports wide range test and measurement for a large range of equipment. The interface to Stratasync is through an application on a mobile device (iOS or Android). The system supports data acquisition with MicroNIR® OnSite-W and provides asset and data management. Predictions can either be done in the cloud, in an online situation, or offline in the application with data buffered on the device for upload.

Asset and Test Results Management – The StrataSync Solution

A cloud infrastructure enables the efficiency of centralized fleet management of devices. It offers simplified instrument management and ensures instruments are up to date with the latest chemometric models, licenses, options and configurations.

VIAVI implements a cloud-enabled architecture offering secure network access and scalability. At present >>1M test instruments in other markets rely on VIAVI's cloud-enabled architecture which has been tested in real-world environments demanding high availability.



The intuitive browser-based interface to Stratasync can be used to conveniently manage either several or thousands of technicians and instruments. Automated features quickly and easily update instrument firmware, options, with status tracking to monitor progress. StrataSync offers the ability to quickly download test data to a data storage for archival and further analysis (Figure 1).

StrataSync makes tracking and updating field instruments efficient by automating many manual tasks and reducing the complexity of the process. A system administrator has the option to log in to StrataSync using a browser and see the current state of instruments and the details associated with each specific instrument.

Browser

All test results are uploaded automatically to a centralized repository, allowing easy access to store, view, print and export test data files. For scan data access, click **Test Data** and then **Test data list**.

StrataSync offers the ability to download test data to a data storage for archival and further analysis. For download of data select data or click **Actions** on the test data page, select items as needed and click **Actions** again, pick from download options menu. Data can be in a machine-readable JSON text format or in human readable PDF files. JSON files are downloaded in bulk in a ZIP file. A separate utility, Stratasync Data Extractor, is available to bulk-convert the download JSON or ZIP files to SAM, CSV and XLSX format.

The browser-based interface to Stratasync can be used to manage either several or thousands of technicians and instruments. Automated features update instrument firmware, options, with status tracking to monitor progress. Browser access to StrataSync makes tracking and updating field instruments efficient by automating many manual tasks and reducing the

Benefits

- Simplified instrument management ensures your fleet of instruments are up to date with latest models
- Easy-to-use mobile application interface – no specialized training needed
- Backed by cloud-based solution for data storage and security

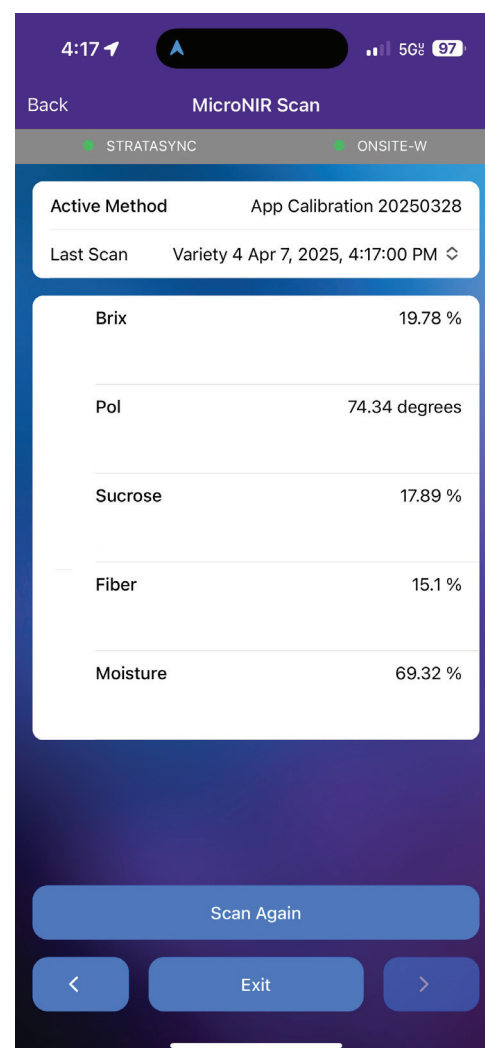


Figure 1. Deploy methods to organization and perform predictions via Mobile Tech app

Template name	Organization	Created by	Created on
Sugar Cane DC V0	OSP Test	support@micronir.com	12/4/24 1:10 PM
Sugar Cane DC V1	OSP Test	support@micronir.com	12/10/24 11:16 AM
Sugar Cane DC V2	OSP Test	support@micronir.com	2/3/25 5:10 PM

Figure 2. Prediction models can be assigned to organizations in TPA, Job templates

complexity of the process. A view of instrument is under **Assets**. A system administrator has the option to log in to StrataSync using a browser and see the current state of instruments and the details associated with each specific instrument using the **Actions** button on this page.

The Stratasync Data Extractor can be used to bulk-convert scan data from StrataSync to the file format used for method development in MicroNIR Pro.

Stratasync has 3 account options:

- Free, has limited data storage, limit data transfer and data retention limits, with no method distribution through the server (requires email to device and transfer of method within device)
- Normal user account for operational use with full functionality. Data limits are in place but are unlikely to be an issue for any normal use.
- API access, include token for machine-to-machine access.

MicroNIR PRO and StrataSync/Mobile Tech App

Starting with MicroNIR PRO V3.3, there is an upload button that lets this software log into the Stratasync account and upload a method file to the StrataSync server. Methods are only available to the customer area that it was uploaded to. After a first use while connected to StrataSync, the method is available in the Mobile Tech App (MTA) and can work offline. MicroNIR Pro also generates a method file that can be emailed to the MTA device for use without access to StrataSync.

Mobile Tech App (MTA)

MTA is an iOS or Android app that is made to either work online or work offline for MicroNIR with in app chemometric methods and scan data buffering. The user interface for methods includes options for graphics and sound or voice prompts. The device camera is enabled as a barcode reader for data and information entry as needed.

API Access

This machine-to-machine interface has similar functionality as the browser. It is an authenticated REST-API optimized for a machine-to-machine use that allows full access to scan data, chemometric methods and fleet information.

Security Overview

Protecting the confidentiality, integrity and availability of customer information is paramount in maintaining trust and confidence in VIAVI. StrataSync uses a multi-layered approach to protect this key information and keep it highly available. This approach starts with a secure physical infrastructure for hosted data, strong network and application security, and redundancy within and across logical zones to ensure best-in-class service. User accounts are grouped in customer areas that are firewalled from other customer areas. These areas can be structured in a hierarchical layers with areas that group sub-accounts under the main customer area. All access reach is set by permission when new users are created. VIAVI by default has no access to data in customer areas. VIAVI monitor device connections and account activity for account management use purposes, without access to the data.

Security certification compliance includes:

- ISO 27001 certification of the information security management system (ISMS) covering infrastructure, data centers, and services
- SAS 70 Type II certified
- Federal Information Security Management Act (FISMA)
- Payment Card Industry Data Security Standard (PCI DSS)

For more information on Security Infrastructure and systems, please refer to [StrataSync Security Overview](#).

Please see [StrataSync – Empower Your Assets](#) and [StrataSync – Quick Start Guide for Administrators](#) for further information about VIAVI StrataSync.

For more information, please contact your local VIAVI account manager or VIAVI directly at 1-800-254-3684 worldwide or via e-mail at ospcustomerservice@viavisolutions.com.

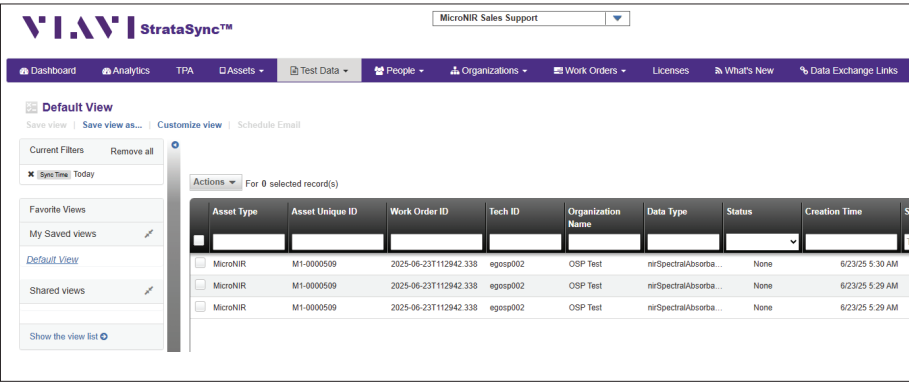


Figure 3. Access field measurements in Test Data menu to preview and download results

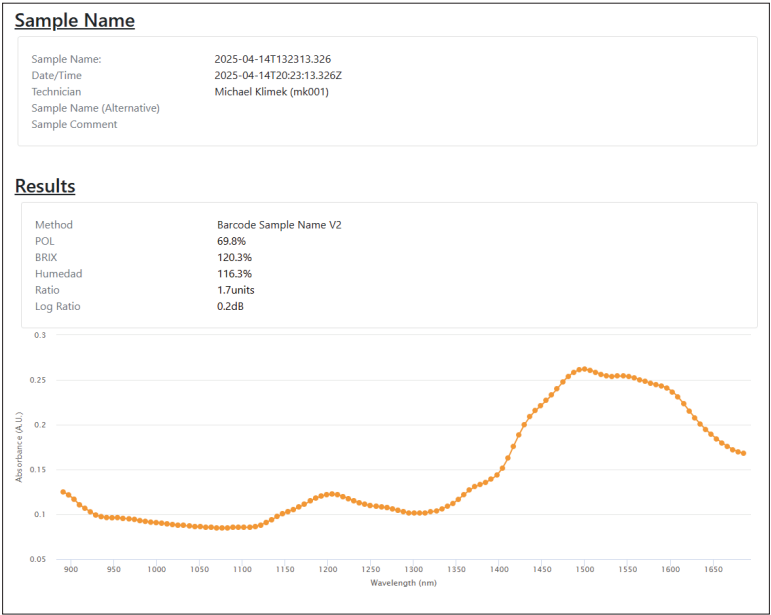


Figure 4. Preview spectra and prediction results by double click



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