



Fast, clean and quiet

New Automatic Sample Analyser integrates Infratec™ 1241 with the help of FOSS Data Link

The process of preparing grain samples for analysis can create dust and noise. It is also time consuming, especially when a silo foreman is waiting to allocate loads according to quality.

The BITZER Automatic Sample Analyser improves the process. It automates the sample preparation and then determines all relevant qualities, including impurities, clean grain, small seeds, hectolitre weight, humidity, protein, sedimentation value, gluten and oil. A label is printed with the results.

The new system integrates the FOSS Infratec™ 1241 for the grain analysis part of the process, making use of the FOSS data link software to communicate bidirectionally between the sample analyser and the Infratec 1241. In one direction, the BITZER informs Infratec about the material to be analysed and in the other the Infratec returns the results.

The system can be integrated with data from the weighbridge using BITZER AGRAR weighing software. In which case, a complete delivery receipt can be produced in one reception operation.

How it works

The BITZER Automatic Sample Analyser itself looks like a drinks vending machine, but delivers a purified grain sample instead of a cup of coffee. The operator first scans an identity label and pours the sample in at the top of the analyser. The grain then goes through the sample cleaner, which also includes automatic weighing systems. The purified sample is automatically put into the FOSS Infratec 1241. The results from the Infratec are transmitted to the sample analyser and displayed on an integrated touch-screen. The sample cleaner and Infratec 1241 can operate simultaneously. Finally, the Automatic Sample Analyser prints a label. The sample is retained for reference.

The simple handling enabled by the new system allows analysis to be performed by non-laboratory personnel and leads to a faster, cleaner and quieter grain analysis procedure compared with conventional methods.

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FOSS DataLink™

- Provides a data link between Infratec™ analysers and Windows® software applications
- Simplifies integration of analysers to SCADA (Supervisory Control And Data Acquisition) and other applications
- Remote control of analyser and data collection through the link
- Easy to install
- Software developers kit included

The BITZER Automatic Sample Analyser

- Dust protection and sound insulation through enclosed construction
- Enclosed process helps to avoid operator errors
- Time saving and improvement of efficiency in the laboratory
- Simultaneous operation of sample cleaner and grain analyser is possible
- Print-out of the retained sample's label
- Quality and weighing data are merged in one database (optional)
- Generation of complete delivery notes (optional)