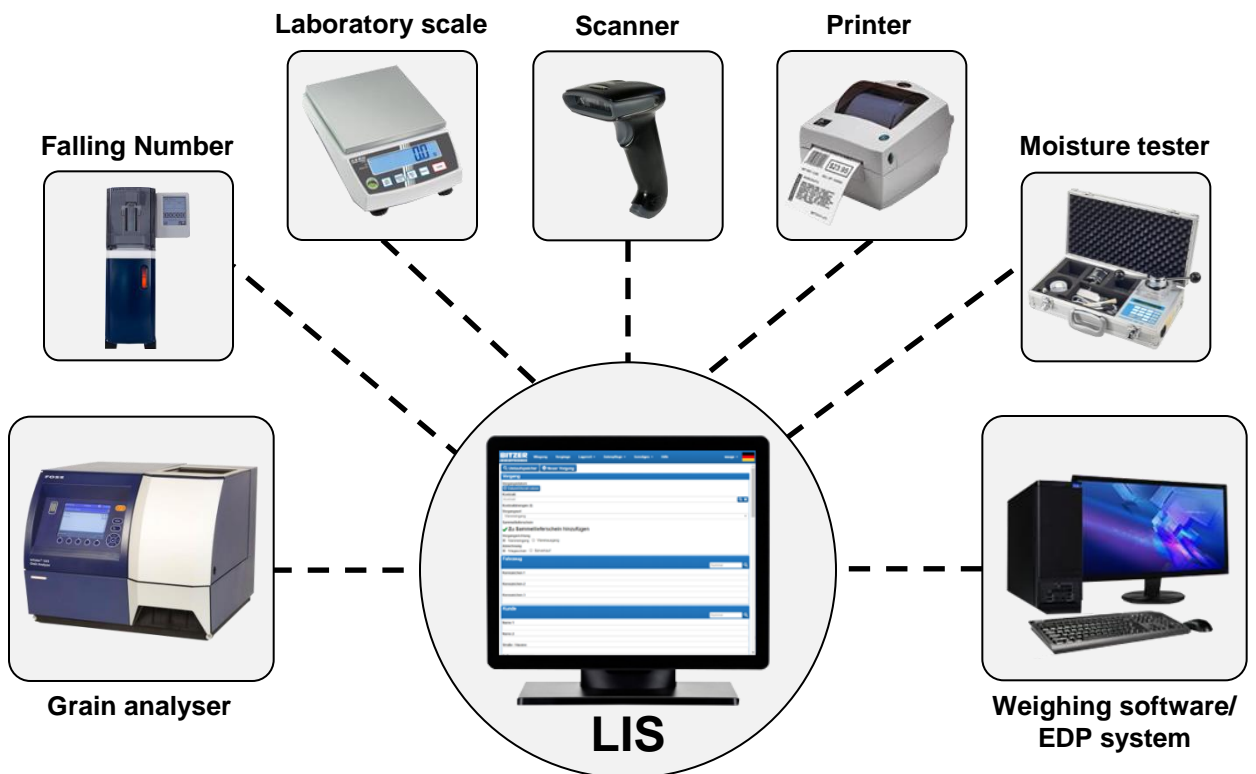


Laboratory Information System (LIS)

Digitalisation and automation in the grain laboratory

Speed up the grain analysis by rationalising and optimising the work flow in your grain laboratory! We connect your laboratory devices with an interface to the BITZER Laboratory Information System (LIS). The LIS enables operators to work on different samples at various devices at the same time. Each device and each sample are assigned to a unique identification number and barcode in order to ensure an unambiguous allocation. The allocation of sample to device is carried out by scanning the identification label of the sample as well as the identification label on the device. The LIS collects all values, transfers them to the BITZER weighing software or external systems and also displays further instructions for the operators on the central screen.



Benefits:

- Significant time savings due to simultaneous operation of several laboratory devices
- User-friendly concept with 0 % chance of manual entry errors
- Automatic transfer to BITZER Web Agrar and external EDP systems (alternative: Stand Alone operation)
- Automatic calculation of impurity on the basis of the determined fractions
- Country-specific fractions for impurity determination configurable (manual hand sieve method)
- Automatic generation of label for reference sample

Laboratory Information System (LIS)

Digitalisation and automation in the grain laboratory

Features:

- Integration of user instructions regarding undercut or exceeded quality values
 - Automatic data collection and storage in Microsoft SQL database
 - Modular structure enables integration of further laboratory devices
 - Multilingualism
-

Components LIS:

- Modern, web based LIS software with integration of desired quality parameters
 - Central operating unit, consisting of technical box, PC and touch screen for easy user operation
 - Optional: scanner
 - Optional: printer
-

Connection to:

Analysis instruments

- Grain analysers Foss Infratec 1241, Nova
- Laboratory scales (e. g. Kern, Mettler Toledo, Sartorius)
- Falling number devices
- Moisture testers

Software systems

- Interface to software solution BITZER Web Agrar including documentation and traceability according to EU regulation EG 178/2002
- XML interface for data exchange with external systems