

# **BITZER Laboratory automation**

## **Grain analysis – safe, clean, fast & quiet**



**Impurity machine**



**Automatic  
sample analyser**



**Automatic  
sample analyser  
with second impurity line**

For further information see  
**[www.bitzer-waage.de/en](http://www.bitzer-waage.de/en)**  
Simply scan the QR code →



# BITZER Impurity machine

**Automatic sample cleaning  
and determination of the  
values of clean grain, small  
seeds and impurities  
via legal for trade scales.**

**Complete  
impurity analysis  
in 1 minute**

## Benefits

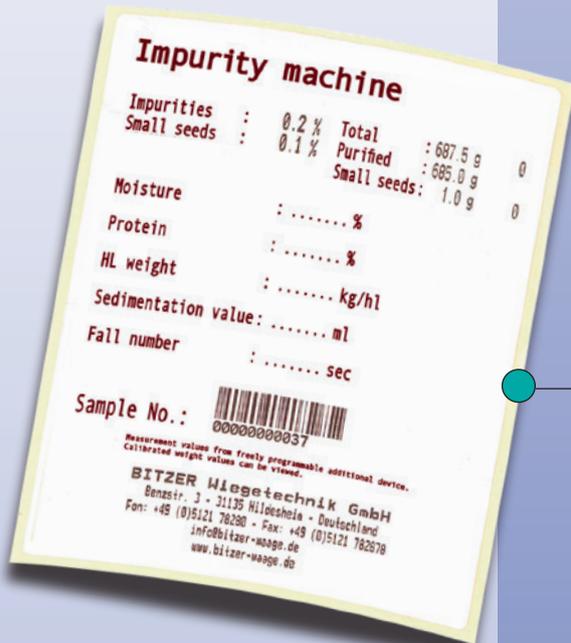
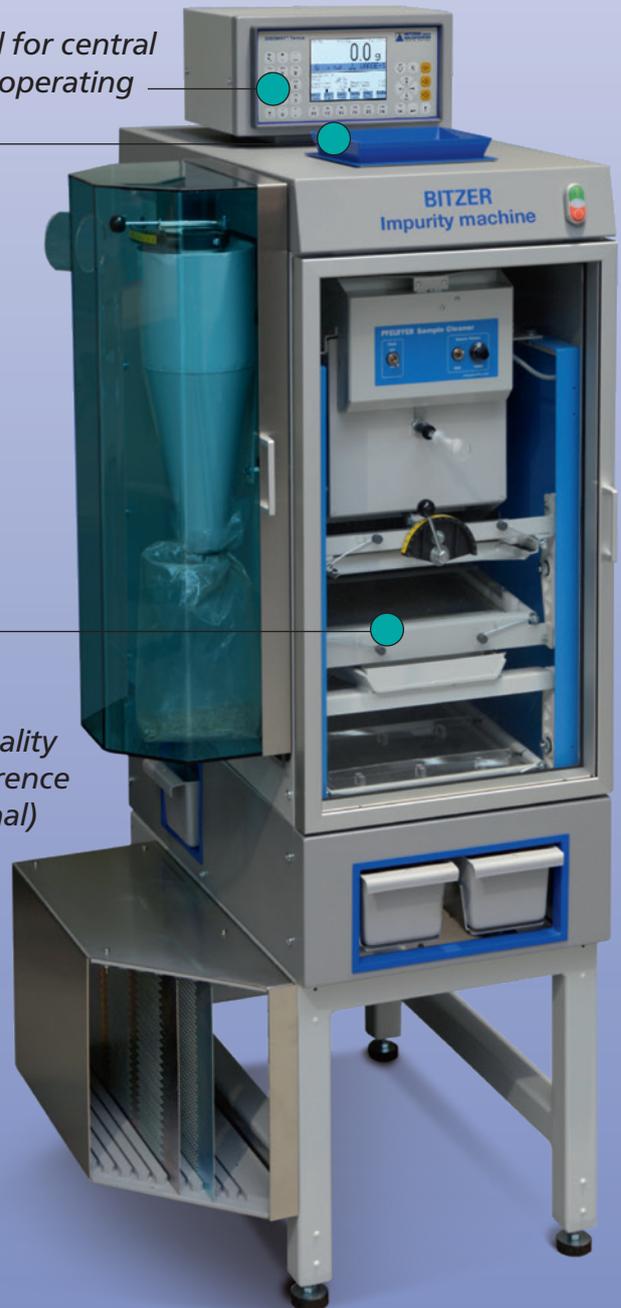
- ▲ Entry level model to improve efficiency in the grain laboratory
- ▲ Time saving due to aspiration, sieving and legal for trade weighing in one process
- ▲ Cost saving due to substitution of separate laboratory scales and sample cleaner (model MLN or SLN)
- ▲ Comfortable dust protection and sound insulation
- ▲ Modular system: expandable to **BITZER** Automatic sample analyser for complete automation of grain quality determination including connection to grain analysers
- ▲ Documentation by reference sample label via printer connection (optional)

Operation panel for central  
controlling and operating

Filling of  
grain sample

Sample cleaner

Print-out of quality  
values for reference  
sample (optional)



# BITZER Automatic sample analyser

**Automatic sample cleaning  
and determination of  
all relevant grain quality  
values.**

**Quality values  
in 2 minutes**

## Additional benefits

- ▲ Complete laboratory automation for a fast analysis with integrated sample cleaner SLN as well as grain analyser (e. g. Perten or Foss).
- ▲ Time saving by factor 3
- ▲ Automatic process of impurity and quality analysis
- ▲ Storing of all values on one database
- ▲ Results printout for the reference sample optional
- ▲ Integration of further analysing instruments, e. g. falling number device
- ▲ Connection to **BITZER** Web Agrar software or external systems

Filling of grain sample

Touch display for central  
controlling and operating

NIR-Analysis: moisture, protein,  
sedimentation value et al.

Sample cleaner

Print-out of quality values  
for reference sample



Parallel sample cleaning  
of two grain sorts and  
determination of all relevant  
grain quality values.

## BITZER Automatic sample analyser with second impurity line

### Additional benefits

- ▲ Simultaneous analysis of two different grain sorts without sieve exchange for high receiving quantities
- ▲ Modular construction enables the subsequent extension of the automatic sample analyser with second impurity line



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