



# Sample cleaners

Total dockage determination and sorting:  
Sieve machines with aspiration and deawner



with LAN integration



**MLN / SLN**  
**Auto Sample Cleaner**



## MLN / SLN sample cleaner – sieve machine with aspiration and deawner

### THE CHALLENGE

## Same cleaning procedure as the cleaning machine

The proportion of impurities (coarse particles, fine particles, aspiration discharge) and the proportion of quality grain can be determined directly upon receipt using a sample. This makes it possible to accept quality grain and reject batches that do not fulfill the contractual conditions in a targeted way.

### OUR SOLUTION

## Fully automatic cleaning

Put in sample and start the cleaning process. If necessary, the sample is first deawned for a preselected time. Then the deawner opens automatically and the sample falls through the aspiration chamber. The lightweight dirt is extracted by the aspiration and deposited in the dust bag by the cyclone. The sample runs over the straw sieve, which removes bigger impurities, and then runs over the sand sieve. Sand and small impurities fall through the sand sieve. The sample is finally led through the sorting sieve (model SLN 4 = 2 sorting sieves). The sorting sieve is cleaned by rubber balls. The impurities run into the side collection pan. The shriveled and small grain is collected in the left-hand pan and the quality grain in the right-hand tray.

- Fully automatic cleaning
- With deawner and aspiration
- Quick sieve change
- Additional sorting sieves for sorting out shriveled and small grain (SLN only)
- Sorting sieve systems with cleaning balls (SLN only)



With the MLN/SLN you have two solutions for your sample cleaning, to which you can add accessories to suit your requirements.

### Feed hopper

with a capacity of 15 liters.  
For bigger samples, e.g. for seed cleaning for trial plots.



### Bag holder

single or dual version for holding bigger sample quantities



## Technical data

Model	Number of sieves	Voltage	Output	Weight	Item number
MLN	2	230 V, 50 Hz	0.37 kW	55 kg	1740 0020
SLN 3	3	230 V, 50 Hz	0.37 kW	85 kg	1740 0040
SLN 4	4	230 V, 50 Hz	0.37 kW	85 kg	1740 0050

Product	Voltage	Output	Dimensions	Weight	Item number
Auto Sample Cleaner	230 V, 50 Hz	0.40 kW	790x720x1650 mm	135 kg, without SLN 3	1740 0072

### Accessories MLN/SLN 3/SLN 4

Accessories	Item number
Feed hopper (approx. 15 liters capacity)	1740 0080
Stainless steel collection pan for flow	1740 0081
Bag holder, 1-way	1740 0082
Bag holder, 2-way	1740 0083
Stainless steel collection pan	3351 0500
PVC collection pan	3110 0050
Dust bag holder and dust bag	1740 0100
Different sieves with round and elongated holes	By request
Support table MLN/SLN	1740 0060

### Auto Sample Cleaner accessories

Accessories	Item number
Collection pan for flow	1740 0081
Frame for Vario 2H sample divider	2350 0775
Barcode scanner	1920 0900

### Standard sieves for brewing barley MLN/SLN 3/SLN 4

Sieve	Dimensions	Item number
Straw sieve	4.5x20 mm / 300x350 mm	3115 6088
Sand sieve	1.5x3.5 mm + Ø 2.0 mm / 300x350 mm	3115 6999
SLN 3 sorting sieve	2.2x20 mm / 300x470 mm	3115 8057
1st SLN 4 sorting sieve	2.2x20 mm / 300x470 mm	3115 8046
2nd SLN 4 sorting sieve	2.2x20 mm / 300x470 mm	3115 8057

# Auto Sample Cleaner - dockage analysis, sorting and weighing

The Auto Sample Cleaner weighs an initial sample of grain or seeds (approx. 1.5 liters) in one procedure, starts up the SLN 3 sample cleaner, starts with the deawning, opens and closes the base of the deawner, carries out the cleaning under time control and automatically weighs the two fractions of small grain and quality grain (cleaned sample). The modern operating software shows the determined weights and the associated percentages on the display. The result can be printed out immediately or later as required. The result consists of the cleaning loss (aspiration discharge, straw and sand sieve) and the quality grain and small grain proportions. The weighed samples can be taken in collection pans for further analysis or fall into a large material container (volume approx. 90 liters).

A pneumatic transport system for automatic sample disposal can also be optionally used.

- Low-noise operation
- Touchscreen display
- Integrated printer
- LAN output via socket connection

An SLN 3 sample cleaner is required to operate the Auto Sample Cleaner.



## YOUR BENEFITS

# Digital solution for a wide variety of grain and seeds

The panel PC stores all the results. This is equipped with two USB interfaces for a barcode scanner, keyboard or USB stick. The measurements can be exported onto a USB stick for simple processing using MS Excel®. The panel PC also has a network connection (RJ45, LAN) for fast, automatic result transmission to an ERP system.



OUR FUTURE-PROOF SOLUTION

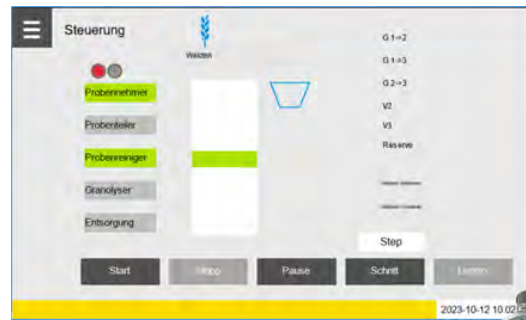
# Pfeuffer Automation Controller – Grain recording optimization

Correct sampling of grains is decisive for smooth and representative quality control of the delivered goods. The manual sampling which has been used to date is challenging, and requires valuable resources in the laboratory.

## Smooth workflow from sampling to NIR analysis

The Rakoraf sampler takes the sample directly from the vehicle and transports it into the laboratory. Where the Pfeuffer Automation Controller takes control:

It coordinates the entire transport process, the preparation and the NIR analysis of the sample. The measurement results are collected and automatically sent to your ERP or laboratory system – quickly, efficiently and without manual intervention. Benefit from relieving the strain on your laboratory personnel, and increase your productivity by means of complete automation of the entire sampling and analysis.



Pfeuffer Automation Controller (PAC)

## Pfeuffer: Technology for professional quality evaluation

As an internationally operating specialist for sampling and grain measuring technology, we have more than 75 years of experience in equipment for agriculture, trade, mills, compound feed plants, seed cultivation, malhouses and breweries. Our product portfolio covers the entire field of grain quality control. The vertical integration of our company – from development and manufacturing to sales and the maintenance of the systems – provides you with maximum quality, precision and investment security.



The quality assurance of our construction, development and production is verified in accordance with ISO 9001:2015.



We develop, design and manufacture all of our products and systems in house.

Do you have any questions about an individual adaptation of the sample cleaning system and would like to receive more information? Just call or send us an e-mail, and we would be pleased to advise you.

**PFEUFFER GMBH**

Flugplatzstraße 70  
97318 Kitzingen, Germany

info@pfeuffer.com  
www.pfeuffer.com

Tel. +49 9321 9369-0