Cgrain SEEDSCANNER ™

For determination of other seeds by number

using innovative AI Technology

SEEDSCANNER uses the latest technology to minimize the previously labor-intensive determination of foreign seeds in cereal samples. It reduces manual labor by > 90% and reduces the health risks to workers.

The seeds currently handled by Seedscanner include wheat, barley, rye, oats and triticale.

Seedscanner technology has been used by the Swedish Board of Agriculture since 1985. In 2020, the third generation of Seedscanners is being introduced.

The unique patented mirror design visualizes each kernel from three angles, allowing the inspection of almost the entire surface of the kernel using advanced image analysis.

Multiple images of every kernel as well as the overall sample result can be printed, exported, and saved digitally, making it easily available for access later. Each rejected kernel can also be inspected individually.
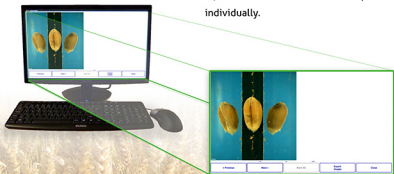
SEEDSCANNER is equipped with a robot that handles the sample containers. The samples are treated gently, avoiding any damage or change to the seeds.

The seed samples are analysed and divided into two fractions. The larger fraction contains the predominant seeds in the sample, while the smaller fraction contains only atypical seeds including foreign species. The larger fraction is considered free of contaminants and is not analysed further. Only 5 - 10% of the kernels need manual handling and visual inspection.

The SEEDSCANNER helps to keep the workload down and reduces the large amount of monotonous manual labor previously required. Your staff gets a more varied job and fewer samples to process manually. The Seedscanner has a compact design, low noise level, and thus both improves the working environment and meets quality assurance requirements.

SEEDSCANNER

- Handles up to 36 (500 gram) or 24 (1000 gram) samples
- Economical to use
- Less labor intensive, especially during seasonal peaks
- Reduced health hazards for personnel
- Easily programmed
- Low noise level
- Self-cleaning function
- Records TKW accurately and replaces the need for seed counters
- Complies with EC mechanical and electrical standards and safety regulations

- Sorting accuracy: 99%
- Fraction for manual handling: 5 – 10 %
- Capacity: 24 (1000 gram) or 36 (500 gram) samples

- Physical dimension: 1350 x 790 x 1655 mm (L x W x H)

- Weight: 150 kg
- Supply voltage: 100 – 240 VAC
- Frequency: 44 – 60 Hz
- Power consumption: 600 W
- Pneumatic supply: 6 – 8 bars
- Air consumption: 1 L / min
- Air quality: ISO 8573.3.4.3

Cgrain VALUE®

- Inspection of Seed and Grain using AI technology
- Higher accuracy
- Robust design
- Time saving
- Easy maintenance
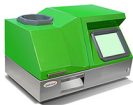
Available also from Cgrain

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