

Simple and quick laboratory measurement for color, whiteness and color impurities (spots). Suitable for bulk materials, flour, semolina, food, leaves, PVC powder, aluminum oxide, non-woven, pasta, paste and many other products.

The OKS scanner is a set consisting of the proven speck counter software, a sample container with accessories and a high-quality CCD scanner. The software ships on a modern Windows 11 NUC computer and is ready to use out of the box. Your products will be preconfigured by us.

The special thing about this system is the objective and reliable measurement of colors and specks and the large reference area (approx. 6 dm²). Calibration to existing laboratory color measuring devices is quick and easy.





Features

When developing the OKS scanner, we focused on the features that are particularly important to you as a customer. The system measures specks from 21 micrometers independently and automatically. Deviations from limit values are immediately displayed and marked in color. Color calibration is possible in seconds. And if requested, your customer will receive a printed certificate.



Color calibration



Automatic analysis









More accurate than the eye

The human eye is usually imprecise and manually recorded results are difficult to compare (different laboratory personnel, different lighting conditions). Because the system carries out objective and reproducible measurements, it enables the company to save costs and significantly speed up laboratory processes. The quality of the end products is guaranteed and customer complaints right up to the end customer are avoided.



Semolina with marked specks



Installed quickly, ready for immediate use

With OKS Scanner, bulk materials such as flour or semolina can be examined for color, whiteness and impurities. The system is very user-friendly and self-explanatory. Thanks to an integrated database and the low storage requirements of the files, long-term tracking of all examinations is guaranteed.



Easy to install

When delivered, the laboratory only needs to connect the scanner to a PC and install the included software and drivers. The included "quick start guide" helps with this. The "OKS Scanner" is ready for use within a few minutes. The software must be set up and calibrated once for each new product. This process only takes a few minutes. If desired, a service can also be provided via remote maintenance or telephone advice. If the samples are very similar in nature, recalibration is usually not necessary.



OKS-Scanner Precise & versatile

Quick to use

We have developed a specially adapted container for placing the product sample on the scanner. This container is very light and has a safety glass on the bottom through which the sample is scanned. The laboratory staff only has to fill in the product to be examined (e.g. flour or semolina) and then click on "Restart job". The software takes care of counting the specks and evaluating them automatically.



Versatile

The system has an integrated language translation and is preconfigured for German and English menu navigation upon delivery. If desired, the system can be translated into any other language, e.g. French, Spanish, Italian, etc. This means it can be used by laboratories all over the world.



Digital and traceable

The orders can later be tracked in the order overview. All important data is stored in a database and can be printed out. A product image is saved with each sample. If desired, laboratory values can be entered for comparison purposes.



Why buy a scanner system?

A new purchase always involves costs and a training period for employees. Digitalization is complex and in some cases internal processes also have to be adapted (e.g. new product specifications and new measured values). Before you decide on a scanner system from us, we would like to point out the advantages again:

- With a digital measuring method you get an independent and objective method that is superior to any human measurement: both in terms of speed and accuracy. Automated measurement is particularly useful for very monotonous measuring processes (e.g. counting colors or specks).
- The enlarged display on the monitor also allows you to see specks that the human eye cannot see well, e.g. in measurements below 50 micrometers.
- The system automatically generates measured values and control images; you have optimal traceability of your product quality. With one click, different measurement values are generated in parallel.
- You can standardize the product specifications in the program for measurements throughout the factory, even at different locations, and then generate a factory standard.
- The system can also be used by personnel outside the laboratory, e.g. close to production. This makes it possible to create new measuring points for product quality

You too can benefit from the advantages of digital speck measurement and send us samples free of charge for preliminary examination! We look forward to your call!



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Technical data

Dimensions (Breite, Tiefe, Höhe)	Scanner: 280 x 485 x 118 mm Computer: 117 x 51 x 112 mm Monitor: 500 x 180 x 400 mm
Weight	Scanner: 4 kg Computer: 0,7 kg Monitor: 3 kg
Power consumption	Scanner: 1,6 Watt (energy saving) to 16,5 Watt (operation mode) Computer: max. 75 watt Monitor: max. 24 watt
Sample amout	Shallow sample container: 200 - 700 grams Deep sample container: 200 - 1000 grams Petri dish measurement possible
Measuring duration	15 – 60 seconds (depends on resolution)
Measuring accuracy	21—500 μm
Values in the software	Number of brown and black specks Total color of the sample (CieLab color system) Whiteness of the sample Colorful specks according to 'colorful' threshold value Scaled number of specks to dm ² Individual speck coordinates and width/ height
Export functions	Original image and classified image as JPG Statistical graphics in .JPG, .BMP and .PDF DINA4 order with convenient print function (certificate) Export of order data in XML and CSV format

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