



Online Color and Specks
Measurement Unit

MYHB

Maximum flour and semolina quality

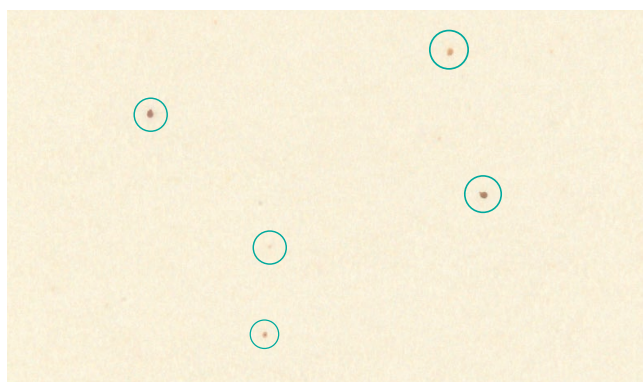
Online measurement of color and specks



Real-time measurement of color and number of specks.



Color checking during ongoing production (L^* / a^* / b^*).



Brown and black specks are classified by size.

Real-time measurements during production

The quality analyzer allows online checking of the product color and specks during flour and semolina production. It provides early detection of even subtle color deviations, contamination, and sieve ruptures to ensure top quality.

Costly laboratory tests eliminated

The measurement probe supplies reproducible color values in the CIE 1976 color space (L^* , a^* , b^*) and classifies brown and black specks by size. It replaces subjective test methods where the values determined frequently vary, such as the Pekar test or manual counting of specks. In addition, using the online color and specks measurement system reduces the required number of laboratory tests.

Complete documentation

The software offers clear user interfaces displaying the current measurement readings or trend charts. It is operated as a stand-alone solution or can be integrated in the Bühler WinCos, Mercury MES or 3rd party process control system.

Benefits

- Reproducible product quality
- Continuous monitoring of color and specks
- Reduced laboratory testing requirements
- Complete documentation
- Automatic process control based on color (Color Loop)

Real-time measurements during processing

Complete documentation

Technical data

	Sensor
Height x width x depth	150 x 150 x 250 mm
Weight	5 kg
Technology	CMOS-Kamera
Surrounding conditions	10 – 40 °C
Measurement speed	2 s
	Measurement parameters wheat flour / semolina
Color values	L*, a*, b* in the CIE 1976 color space
Specks	Brown and black specks > 85 microns, including size and color classification

Retrofit to existing systems

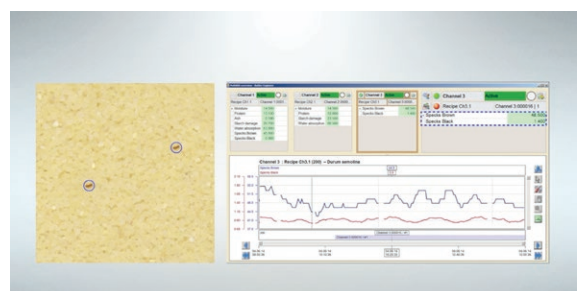
This online color and specks measurement unit is an excellent solution for retrofitting existing systems. Compact and flexible installation allows it to connect directly to existing components including gravity spouts and scales.

Several simultaneous measurement points

Bühler online sensors are known for their flexibility. The color sensor can easily be combined with the NIR Multi Online Analyzer. Up to six different measurement positions are possible.

Convincing convenience

The accurate and highly reliable color measurements, which are based on Bühler pre-calibrations according to international standards for color measurement in grain flour, enable system's use for automatic control loops and comprehensive quality management. Moreover, this system is basically maintenance-free.



Seamless combination of color, specks and NIR measurements.

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