Online Color and Specks Measurement Unit **MYHB**

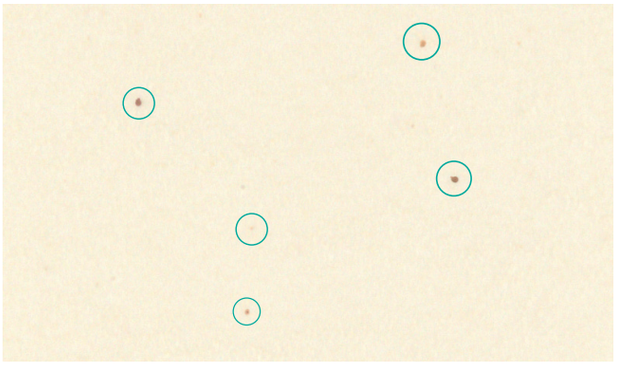
Innovations for a **better world.**

BÜHLER

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* 85,46 / a* – 0,73 / b* 36,52).



Brown and black specks are classified by size.

Real-time measurements during production

MYHB 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 process control system. As an option, it is possible to measure fluctuations of the residual starch content in bran.

Benefits

- Reproducible product quality
- Continuous monitoring of color and specks
- Reduced laboratory testing requirements
- Complete documentation

Real-time measurements during processing **Complete documentation**

Technical data

	Sensor	Measurement parameters wheat flour / semolina
Height x width x depth	150 x 150 x 250 mm	
Weight	5 kg	
Technology	CMOS-Kamera	
Surrounding conditions	10 – 40 °C	
Color values		L*, a*, b* in the CIE 1976 color space
Specks		Brown and black specks > 80 microns

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, scales and retarding sections.

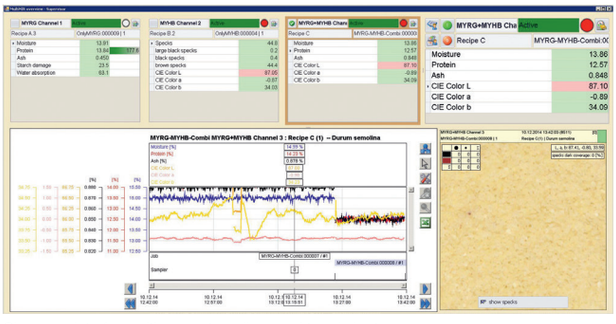
Installation of the measurement probe on a gravity spout.

Several simultaneous measurement points

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

Convincing services

For color measurements, MYHB can be calibrated to different reference methods. After one initial alignment, no calibration or readjustment by the user is required.



Clear user interface with current readings and trend charts.

Installation of the measurement probe on a retarding section.

Bühler AG

CH-9240 Uzwil
Switzerland

T +41 71 955 11 11
F +41 71 955 66 11

buhlergroup.com

Flyer MYHB en 01/17 ZACC