BoMill
Adds more value to your grain

IQ Grain Quality Sorter 1002

BoMill IQ Grain Quality Sorter

BoMill's patented grain quality sorting technology makes it possible to analyze each individual kernel in a batch and separate them into fractions.

IQ grain quality sorter is a laboratory machine that use NIT to analyze each kernel in a grain sample. By looking inside every kernel, the IQ can predict each kernel's relative quality.

This will allow you to pick out kernels in the sample with high mycotoxin and estimate the yield if you had sorted them using BoMill's TriQ industrial machine.

The capacity of the IQ grain quality sorter is 1000 kernels/min. Compatible small grains include durum wheat, soft wheat, hard wheat and barley.

www.bomill.com

www. bomill.com/ products/iq/

Reasons to use BoMill

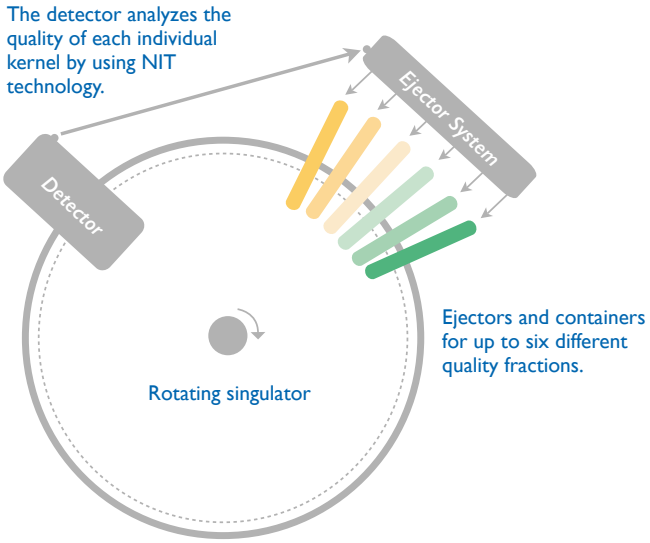
- Manage the quality variation
- Develop your business
- Ease of use
- Reduce maintenance costs and increased uptime

Functionality of the IQ Grain Quality Sorter

APPLICATIONS

The IQ grain quality sorter can be used for improving the grain and seed quality by sorting out kernels with mycotoxin and low germination rate.

The IQ grain quality sorter is intended for use in a lab where it can be used to analyze smaller grain samples and verify the possibilities of large scale sorting using the BoMill TriQ machine.

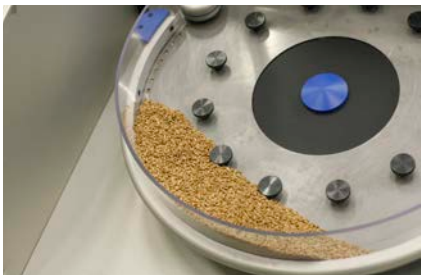


THE APPLICATIONS AVAILABLE TODAY:

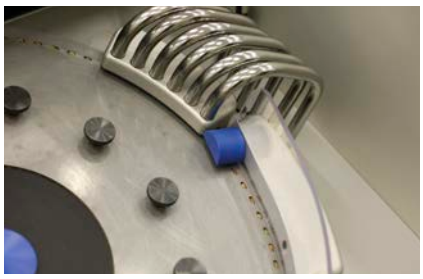
- Remove kernels affected by Mycotoxin
- Sort kernels into fractions of high- and low Protein
- Sort kernels according to Vitreousness
- Sort kernels according to Falling number
- Sort kernels according to Seed quality
- Produce homogeneous malting barley to improve malting characteristics

SPECIFICATIONS

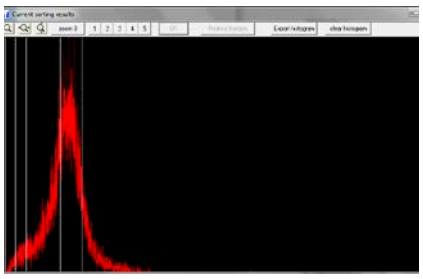
	Metric	Imperial units
Dimensions (height x with x depth)	Approx. 1220 x 860 x 620mm	4´0"1/32 x 2´9"55/64 x 2´0"13/32
Weight, approx.	150kg	330lb
Number of sorting channels	1	
Sorting capacity	Approx. 1000 kernels per minute, based on barley and wheat	
Number of sorted quality fractions	6	
Grain/Raw material to be processed	Durum wheat / Soft wheat / Barley, fine cleaned	
Detector	NIT Detector	
Electrical power	50-60hz 110-230V	
High-pressure air quality based on the standard	ISO 8573-1	
Operating Pressure	6bar	90psi
Consumption	30 l/min	1.06 CFM
Operation conditions, indoor climat, normal humidity	5-35°C	32-95°F
Connection	8mm hose, quick connection	



Singulation and measuring of kernels.



Pipes for ejection of the kernels into the sorted fractions.



Screenshot from the IQ software showing the distribution of quality in a typical grain sample.

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