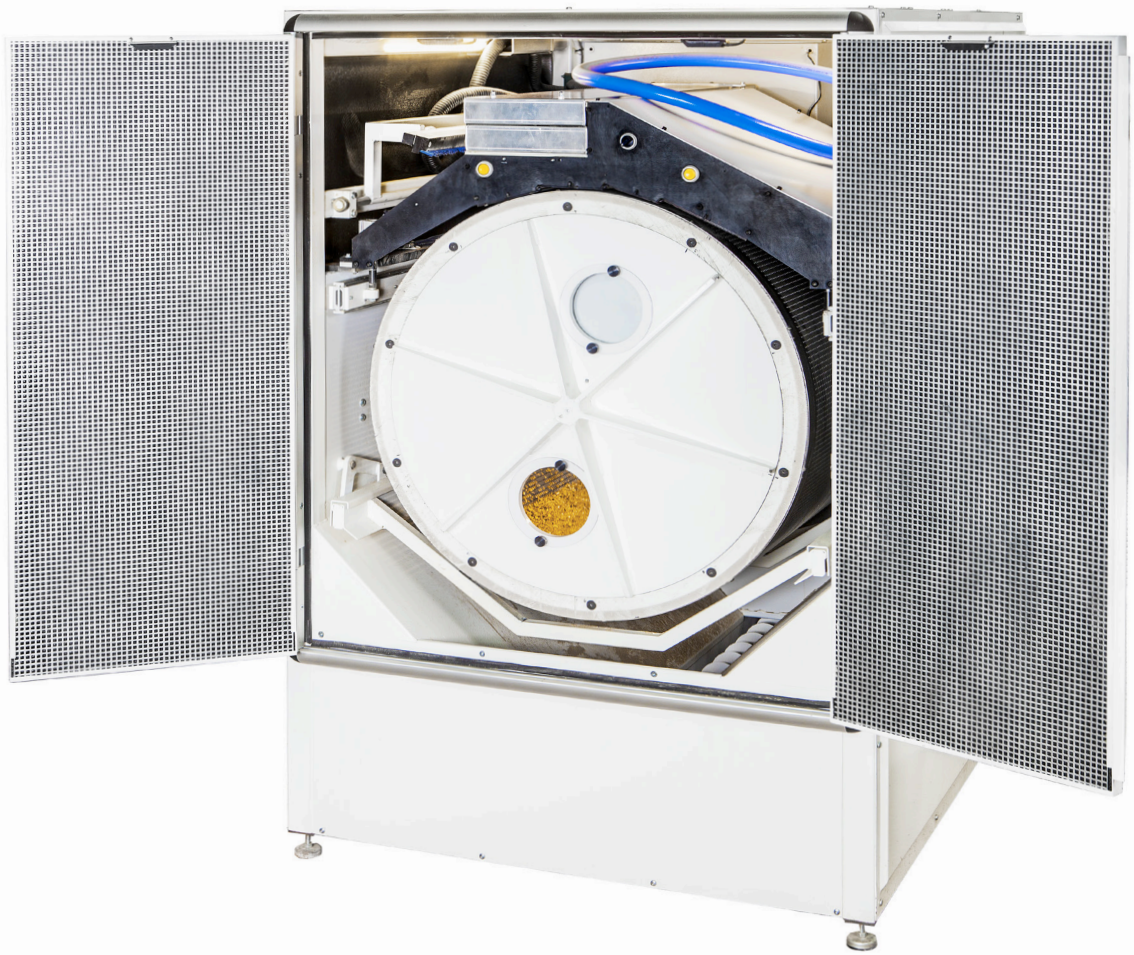
TriQ **30**

BoMill's patented grain quality sorting technology, makes it possible to analyze and identify each kernel in a batch of grain and sort them into quality certified fractions. The speed is fully compatible with the needs of industrial grain handling – delivering a sorting capacity from 3 to, at least, 30 metric tons of grain per hour.

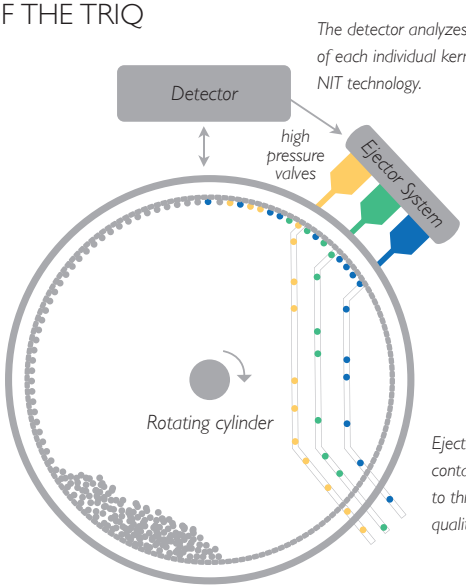


BoMill
Adds more value to your grain

APPLICATIONS

The TriQ is suitable for large scale sorting. It´s built with high-quality standard components with well-documented history. The modular design concept ensures high reliability and easy installation to run 24/7 in industrial environments. The TriQ is ideal for millers, malt houses and silos who wants to exploit the full potential of their grain.

FUNCTIONALITY OF THE TRIQ



The detector analyzes the quality of each individual kernel by using NIT technology.

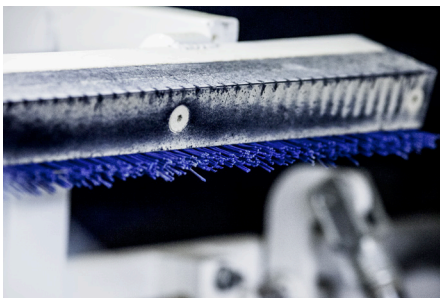
Ejectors and containers for up to three different quality fractions.

The applications available today include:

- *Remove fusarium affected kernels*
- *Sort according to vitreousness*
- *Sort according to protein into fractions of high and low protein kernels*
- *Generate more homogeneous malting barley for optimum malting characteristics*

The graphical user interface makes it possible to control the sorting using any device with a browser, e. g. a PC, tablet or smartphone. Due to its user friendly design, it makes the training sessions intuitive and time efficient.

Kernels in pockets of the rotating cylinder.



Built-in, automatic cleaning systems.

SPECIFICATIONS

- ***Dimensions (height x width x depth):*** *1800 x 1200 x 1750 mm, 5´ 10" 55/64 x 3´ 11"1/4 x 5´8" 57/64*
- ***Weight:*** *approx. 1000 kg*
- ***Number of sorting channels:*** *96*
- ***Sorting capacity:*** *approx. 3 tons/hour, based on barley and wheat with TKW 45 gram*
- ***Number of sorted quality fractions:*** *3*
- ***Grain / Raw material to be processed:*** *Durum wheat / Soft wheat / Barley, fine-cleaned*
- ***Detector:*** *TriQ NIT detector*
- ***Electrical power supply:*** *3/PEN AC 50 Hz 400V*
- ***Power consumption:*** *2,5 kW*
- ***Energy consumption:*** *approx. 4 kWh/ton*

AIR SUPPLY

- ***High-pressure air quality based on the standard:*** *ISO 8573-1*
- ***Maximum particle size:*** *class 5: 40 microns*
- ***Maximum particle density:*** *class 5: 10 mg/m^3*
- ***Maximum dew point:*** *class 3: -20 deg Celsius*
- ***Maximum oil concentration:*** *class 3: 1 mg/m^3*
- ***Operating conditions:*** *indoor climate 0-35 deg Celsius, normal humidity*

Connection 1 *(ejector system)*

- ***Operating pressure:*** *3-5 bar (6 bar if not model with connection 2)*
- ***Consumption:*** *2000 l/min*
- ***Connection:*** *1" female thread*

Connection 2 *(others), some models only*

- ***Operating pressure:*** *6 bar*
- ***Consumption:*** *200 l/min*
- ***Connection:*** *1/2" female thread*

NOTE! All specifications on this sheet may be subject to change without prior notice.

BoMill

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