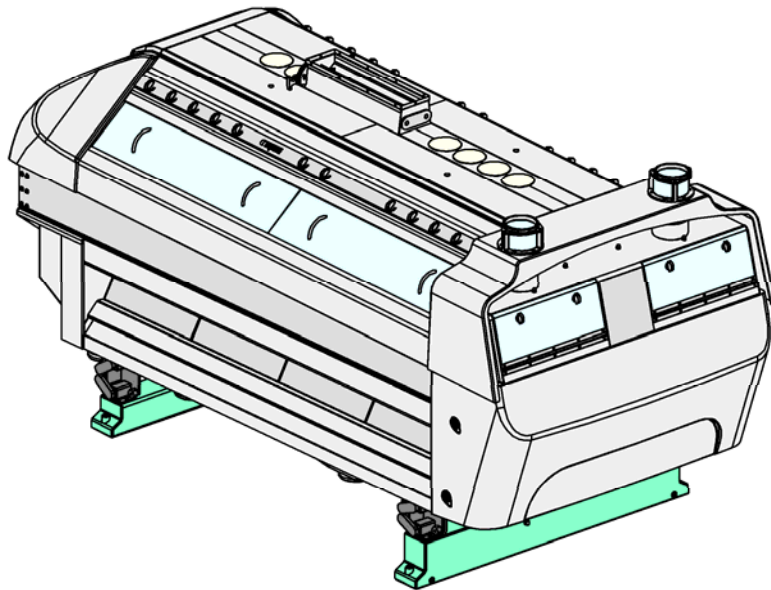


***The all new
purifier Polaris***

Walter Bruggmann, Switzerland



Purifier Polaris MQRG ***„The New Art of Milling” – design concept***



from concept



to reality



Purifier Polaris MQRG ***„The New Art of Milling” – design concept***

POLARIS



ANTARES



SIRIUS



Purifier Polaris MQRG

■ **Applications**

- Durum (-semolina) mills
- Soft wheat mills
- Maize mills



■ **In the heart of a mill !**

- Purifying and classifying of semolina and dunst



Purifier Polaris MQRG

Efficient:

20 % higher throughput

Reliable:

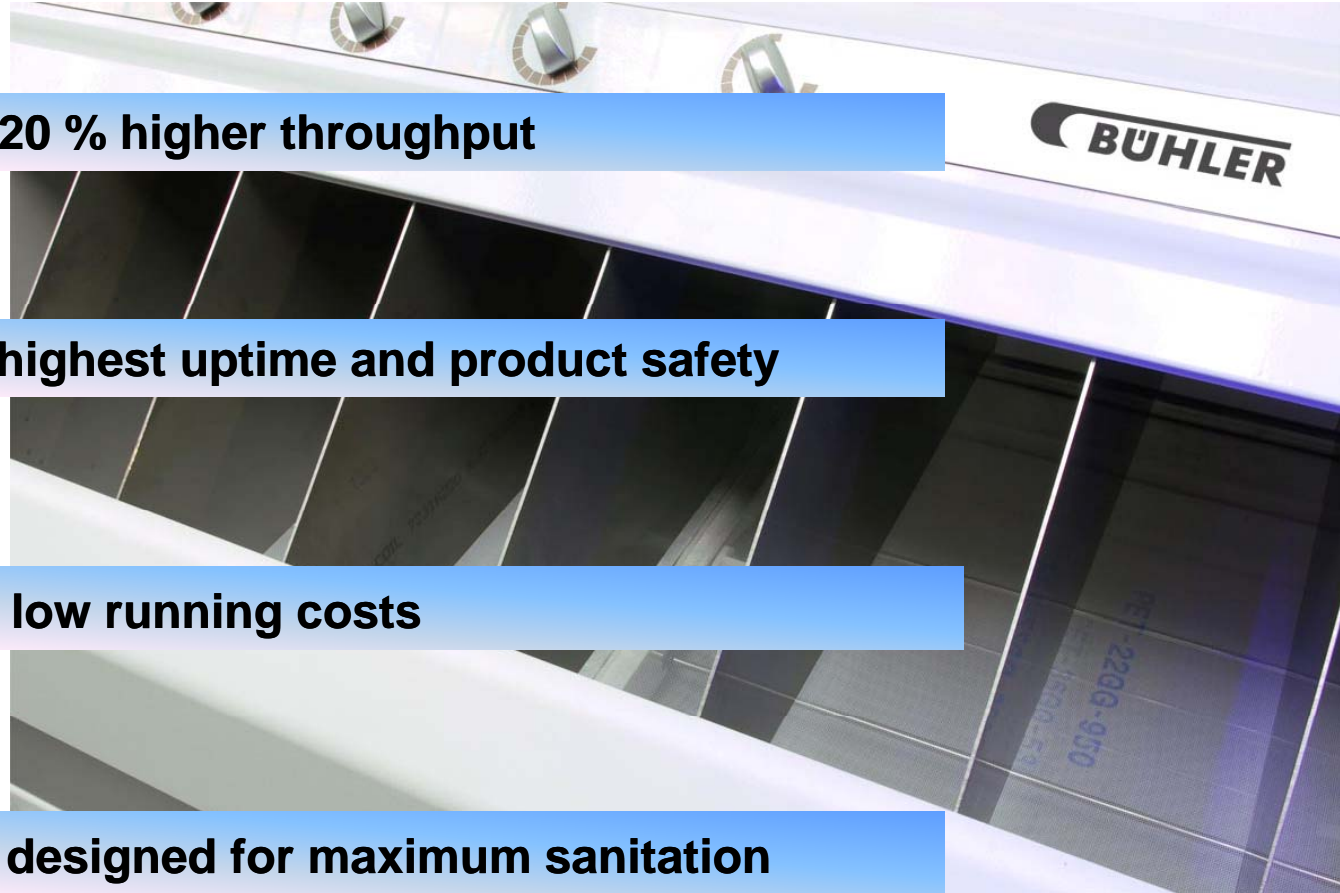
highest uptime and product safety

Economical:

low running costs

Perfect:

designed for maximum sanitation



Purifier Polaris MQRG

Efficient

■ **High throughput capacity/performance**

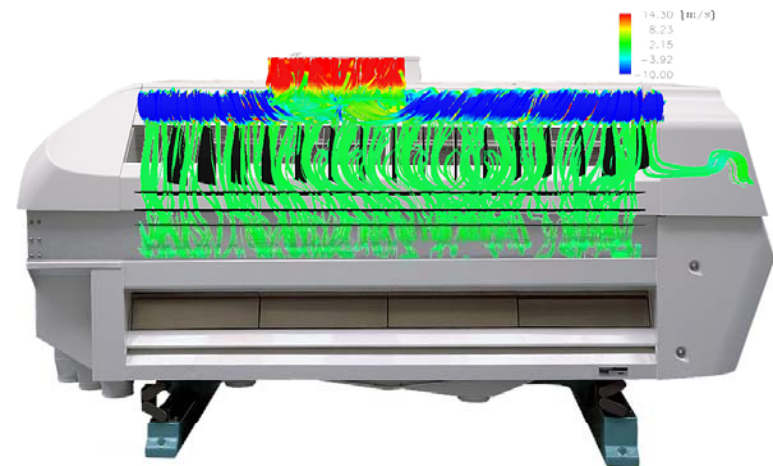
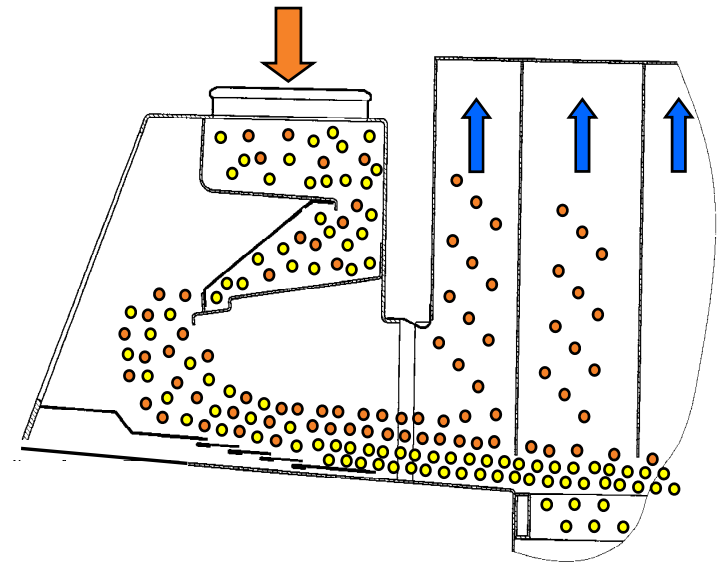
- + 20 % increased throughput with ultimate purification/classification
- handles wide capacity range, perfectly matching the performance of new roller mills and sifters (Antares/Sirius), allowing balanced flow sheet design
- optional: double deck execution



Purifier Polaris MQRG

Efficient

- **Maximum throughput capacity**
 - Inlet with product pre-stratification and product acceleration.
 - Increased sieve width of 520 mm for higher loads with ultimate purification and classification
 - Optimized aerodynamics



Purifier Polaris MQRG

Reliable

■ **Top sanitation, product/process safety**

- Enclosed machine design
- Stainless materials used for all parts coming into contact with product
- Impact resistant side windows



normally closed during operation

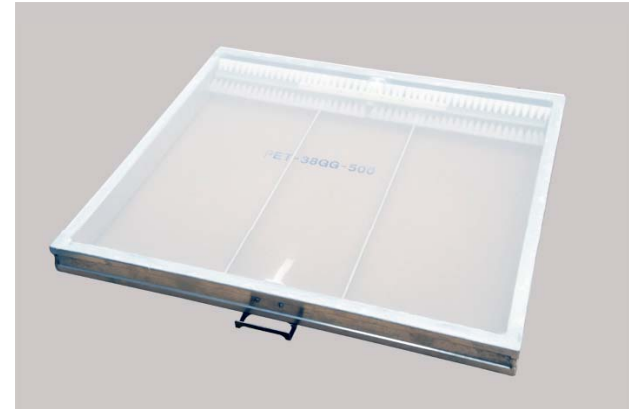


opened for sample taking

Purifier Polaris MQRG

Reliable

- **Top sanitation for process/product safety**
 - Completely closed and tidy frame/screen units with glued-on fabric (no fabric overlaps as product traps)

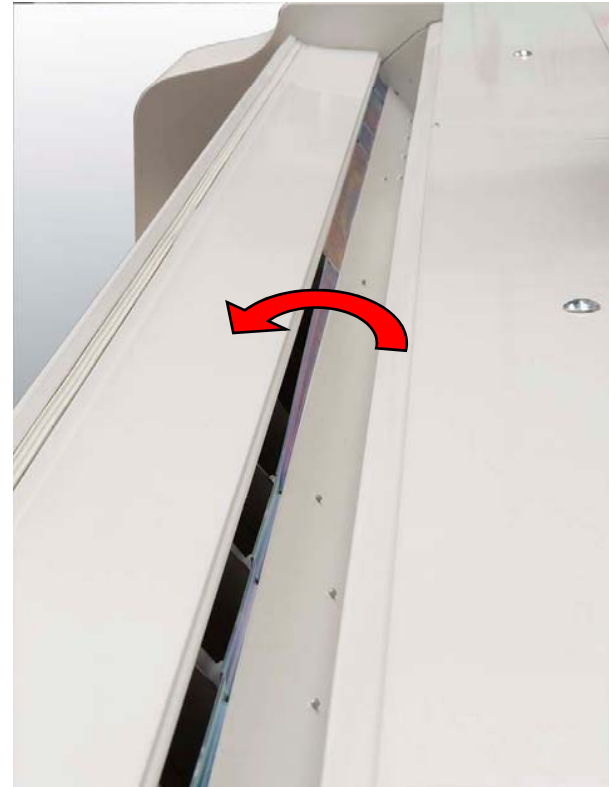


Purifier Polaris MQRG

Reliable

■ **Top sanitation for process/product safety**

- Access to air channel through swing door for maximum up time (quick cleaning)

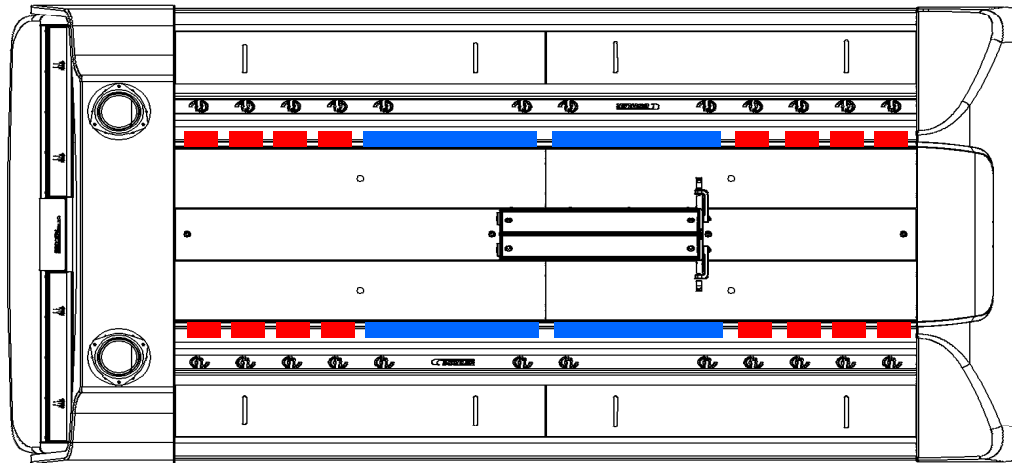


Purifier Polaris MQRG

Economical

■ **Operation, adjustments, maintenance**

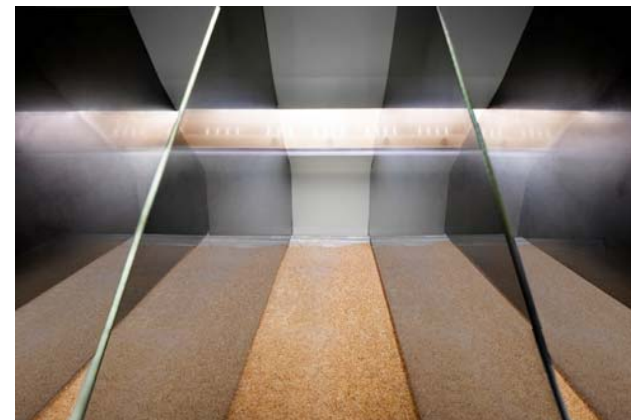
- User-friendly, precise air adjustment by means of „single-turn“ adjusters on each side



Purifier Polaris MQRG

Economical

- **Operation, adjusting, maintenance**
 - Integrated LED-lighting, combining energy saving, optimal visibility and long service life



Purifier Polaris MQRG

Economical

■ **Operation, adjusting, maintenance**

- Main air regulation
- Individual slot air adjustment, reproducible settings
- Purge air regulation



Main throttle

Air regulation at individual slots



Purge-air regulation



Purifier Polaris MQRG

Economical

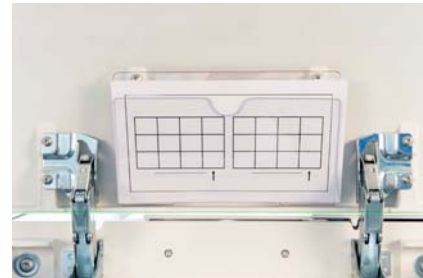
■ **Operation, adjustment, maintenance**

- Easy operation and monitoring

Changing of frames



Integrated screen card holder



Collection boxes for way-selection of screen overs



Purifier Polaris MQRG

Economical

- **Operation, adjusting, maintenance**

- Maintenance-free rubber hollow springs with long service life



Purifier Polaris MQRG

Economical

- **Operation, adjusting, maintenance**

- Maintenance-free drive



Purifier Polaris MQRG

Perfection

■ **Ultimate design**

- Ergonomic, functional design following „The New Art of Milling“ design concept
- Easy retrofit (in place of older model)
- Up to 6 spouts running through machine possible



Purifier Polaris MQRG

summary of improvements...



↗
Efficiency



↗
Safety



↗
Sanitation



↘
Running costs



↘
Energy



↘
Down time

The New Art of Milling

Efficient

Reliable

Economical

Perfect

Purifier Polaris MQRG

Benefits for the miller:

- High performance +20% increased capacity
- Maximum yield of top quality product
- Highest sanitation standards possible
- Process safety, product safety, less maintenance
- *With each Buhler machine you have access to professional advice, technological support and service*



Purifier Polaris MQRG

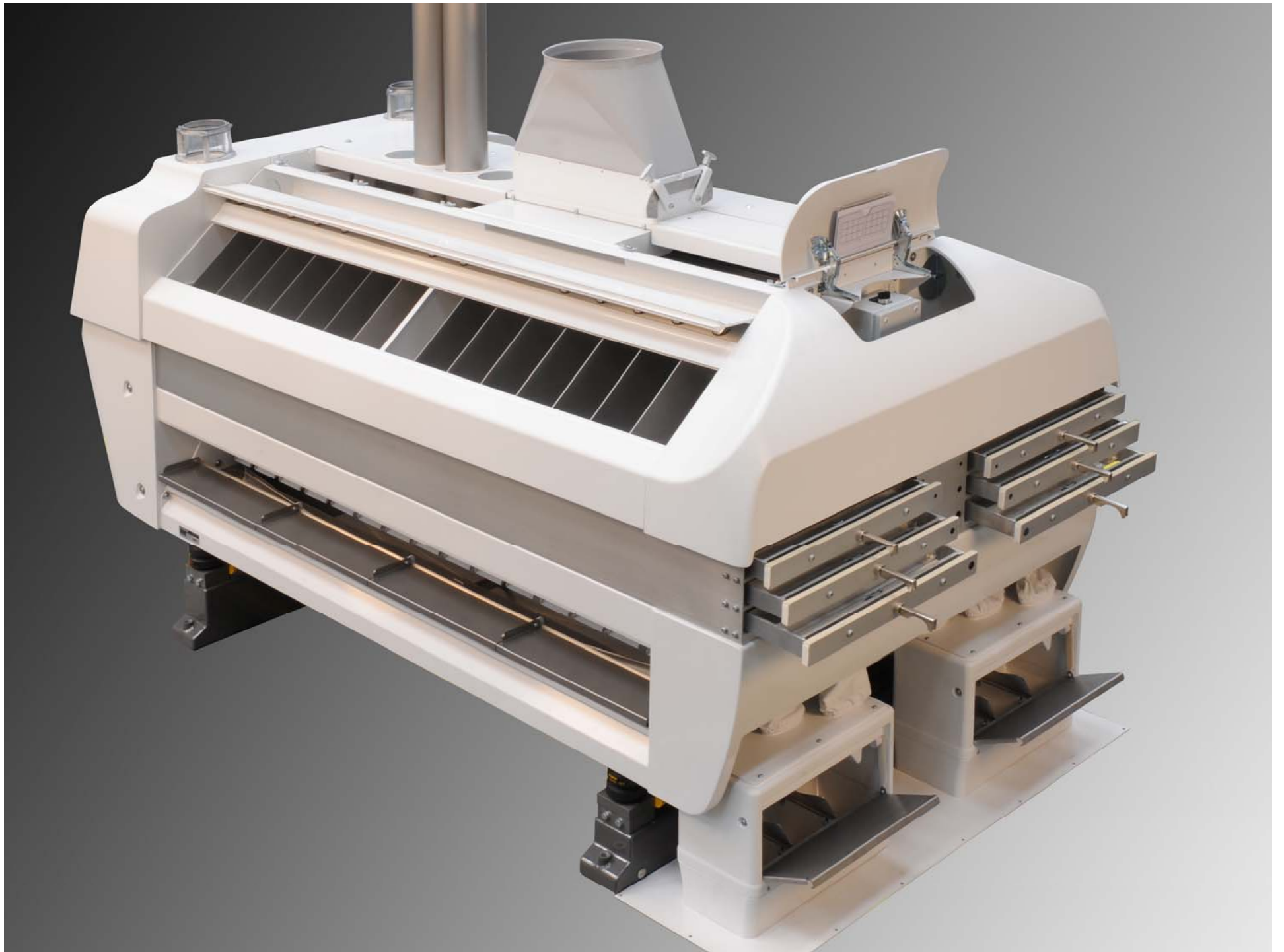
Official launch in 2009

■ **At ipack ima, Milano 24. – 28. of March 2009**

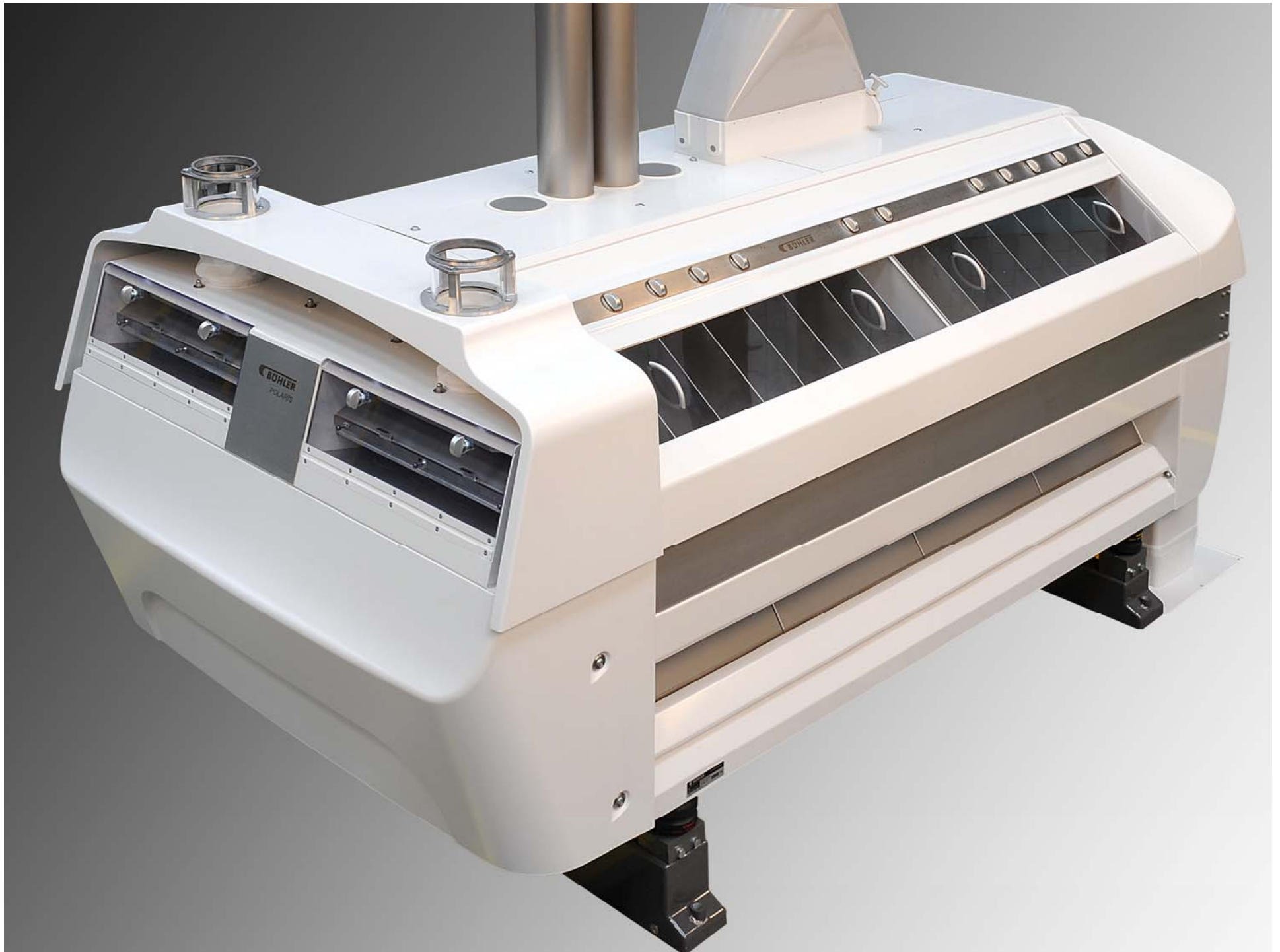
■ **Machines sold to:**

- Pannonmill, Csorna, Hungary
- Bruggmühle, Goldach, Switzerland
- Molino Zerba, Castellazzi, Italy
- Les Grands Moulin du Tensift, Marrakech, Morocco
- Dogsthorpe, Peterborough, England
- Simec, Oristano, Italy
- Molino Maionchi, Lucca, Italy
- Molino de Trigo, La Barca, Mexico
- Swissmill, Zürich, Switzerland
- and many more.....














*You will have a
safe journey into
the future with
**The new Art of
Milling Concept***

Thank you for your attention