

Ultratrieur.  
**LADB.**

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Innovations for a **better world.**

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# Sorting by grain length with highest precision. **An inevitable part of your cleaning section.**

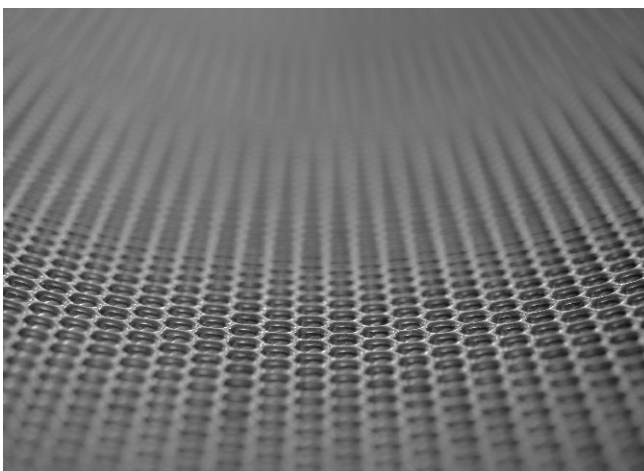
The Ultratrieur is a well-established grading machine that separates grain and other granular products according to their length. The different models are ideal for size separation applications. They are used for cleaning, grading, seed processing as well as the conditioning of various industrial products.

## **Flexibility thanks to modular design for ideal grading results.**

The Ultratrieur is available in 9 combinations with different lengths. The wide range of possibilities allows the machine to be modularly adapted to the processed product and the desired grades. Combining round and long grain separation with an optional final separation achieves a highly precise cleaning and grading of the product. This is the cornerstone for the production of high quality.

## **The centerpiece – the trieur jacket.**

The diameter and shape of the pockets as well as their condition significantly affect the grading results. That is why Bühler offers a large selection of pocket sizes. You can optionally choose hardened trieur jackets. These roughly double the service life compared to conventional trieur jackets, which in total achieves cost savings of about 30%. The maintenance, cleaning and inspection of the grain cleaning machine interior is additionally facilitated by an optionally available device for the installation and removal of the trieur jacket.

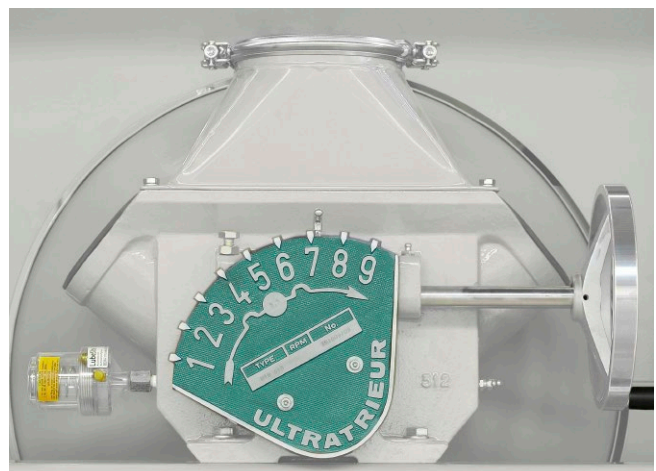


## **The benefits at a glance:**

- Precise grading results
- Flexible application area thanks to the modular design
- Proven technology and optimized design result in low investment and maintenance cost

## **Operator-friendly setting and product monitoring ensure excellent separation.**

Samples can be taken at any time by opening the plastic cover. The trough can be adjusted to the respective product needs via a simple variable adjustment. This ensures a high degree of separation.



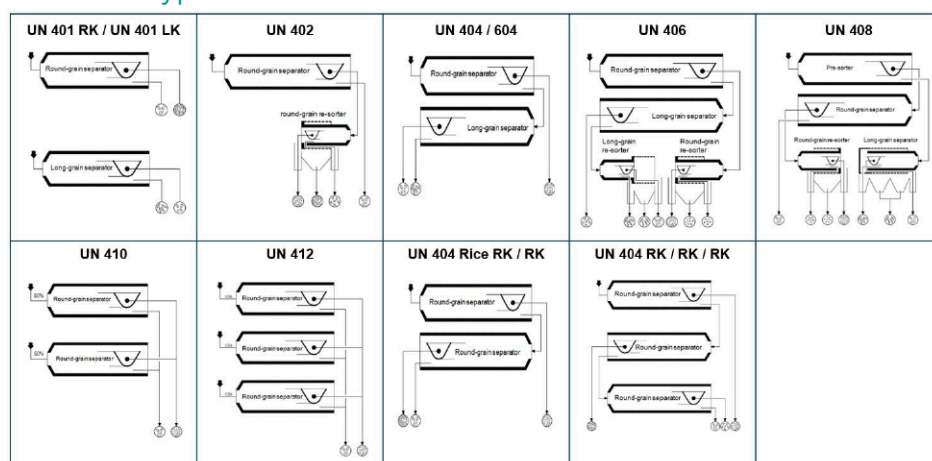


# Modular and flexible design. Using a proven technology but low investment costs.

»There is no doubt, the indented cylinder is the most operative and zero interruption machine to remove screenings (long grain and broken kernel) from wheat. It improves the overall cleaning efficiency with high output, less power consumption and less maintenance. From the beginning of the flour milling, this machine is the inevitable part of cleaning section.«

**Md Imran Hossain Khan, Head-Miller AKIJ Flour Mill, Bangladesh**

## Machine type combinations:



RK = Round-grain separator; LK = Long-grain separator; VS = Pre-sorter; RKNL = Round-grain re-sorter; LKNL = Long-grain re-sorter

## Technical data and capacities:

		UN 401 RK	UN 401 LK	UN 402	UN 404	UN 604
<b>Number of types</b>		4	4	3	4	1
<b>Max. capacities</b>						
Wheat, rye		3.5 - 16.0	3.0 - 12.0	8.0 - 15.0	3.0 - 12.0	12.0
Barley, white rice	t/h	2.8 - 13.0	2.4 - 9.1	-	-	-
Oat, paddy rice		2.1 - 10.0	1.8 - 6.8	-	-	-
<b>Motor power</b>	kw	1.1 - 3.0	1.1 - 3.0	2.75 - 3.55	2.2 - 6.0	5.2
<b>Aspiration connection</b>	m <sup>3</sup> /min	8 - 10	8 - 10	8 - 10	16 - 20	20

		UN 406	UN 408	UN 410	UN 412	UN 404 Rice RK/RK	UN 404 Rice RK/RK/RK
<b>Number of types</b>		3	2	2	2	2	2
<b>Max. capacities</b>							
Wheat, rye		6.0 - 12.0	10.0 - 15.0	24.0 - 32.0	36.0 - 48.0	-	-
Malting Barley	t/h	-	-	20.0 - 26.7	30.0 - 40.0	-	-
Oat		-	-	14.4 - 19.4	21.1 - 28.2	-	-
White rice		-	-	-	-	7.5 - 10.0	7.5 - 10.0
<b>Motor power</b>	kw	4.95 - 5.75	5.7 - 6.05	4.4 - 6.0	6.6 - 9.0	4.4 - 6.0	6.6 - 9.0
<b>Aspiration connection</b>	m <sup>3</sup> /min	16 - 20	16 - 20	20	20	20	30

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