

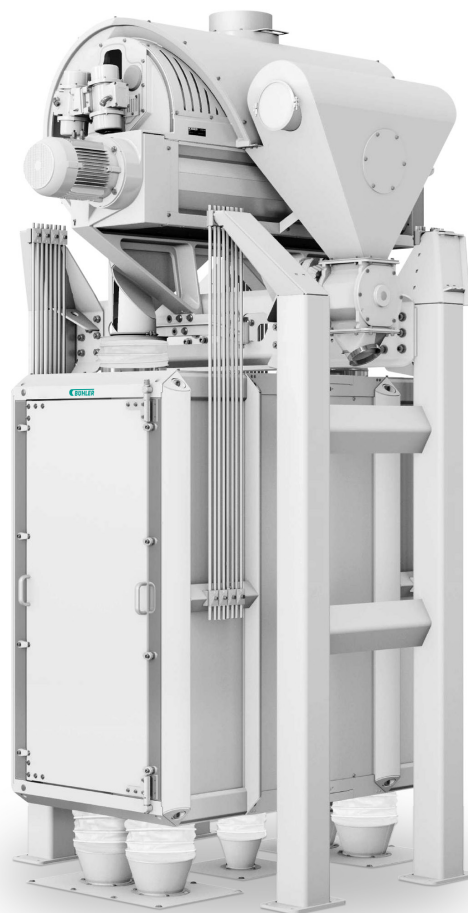
High-capacity  
Grain Cleaner  
and Grader Vega.  
**MTVA.**

# Efficient grain cleaning and grading. **For higher product quality.**

## Higher product quality pays off.

The more accurately and efficiently you can grade and clean different grain varieties, the more consistent the quality of your end products will be – and the greater also your commercial advantage.

The combination of a Vega high-capacity grain cleaner and a Bühler air-recycling gravity separator for removing low-density particles sets new standards when it comes to efficient cleaning and grading of different grain varieties. Two sizes, two installation versions, and eleven sifting flow patterns for multi-variety operation offer you a broad range of applications with a unique level of flexibility. The optimal separating efficiency of this unit enables you to increase your product quality, while the high throughput capacity ensures maximum efficiency and the low space requirement guarantees easy integration in your plant.



Powerful combination: Vega high-capacity grain cleaner with air-recycling gravity separator for removing low-density particles.

### The advantages at a glance:

- Higher product quality
- Accurate grading and efficient cleaning
- Increased throughput capacity within a smaller space
- Reduced operating costs
- Maximum flexibility
- Minimal maintenance and integration requirements

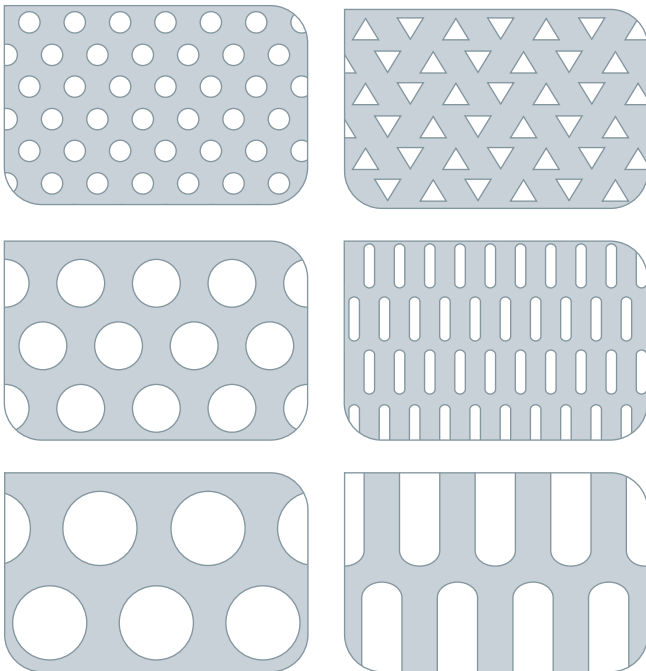
# Maximum flexibility. For customized applications.

## Broad range of applications.

The Vega high-capacity grain cleaner combined with an optional air-recycling gravity separator for removing low-density particles is excellently suited to transfer cleaning applications in storage elevators (silos) as well as to cleaning and grading of different grain varieties, pulses, and seeds. Low-density particles, foreign matter, and foreign seeds are reliably removed and the grain is accurately graded into different sizes.

## Flexible application.

With two sizes and throughputs ranging from 15 to 100 metric tons per hour (t/h), you will find the ideal solution for any requirement. Two design versions – standing and suspended – offer you individual installation options. Eleven different sifting flow patterns in multi-variety operation and two to four fractions, plus a wide range of screens and screen cleaners ensure maximum flexibility.



Screens with specific hole geometries separate impurities and grade grain, pulses, and seeds by size.



Wheat



Corn (maize)



Rye



Oats



Rice

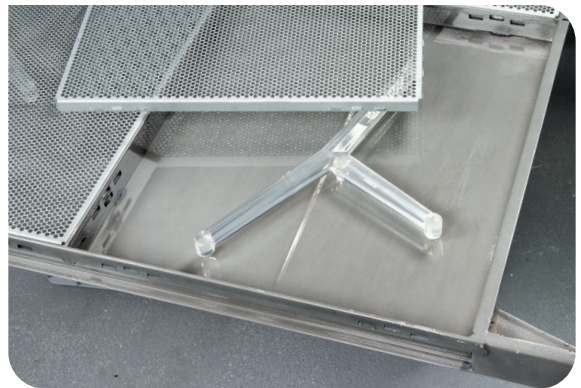


Barley

## Easy to use. For reliable operation.



Easy screen frame changes from both sides.



Clip screens for application-specific changes with ball- or star-type cleaners.

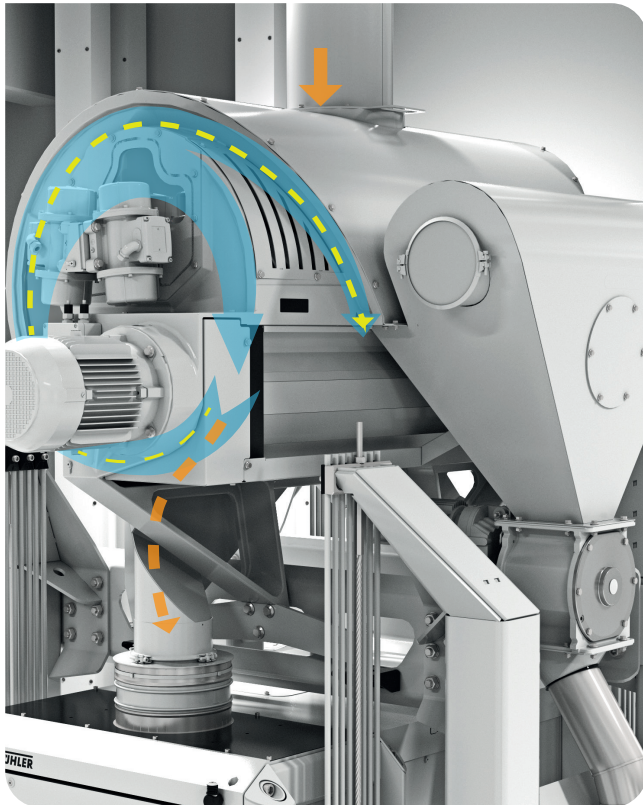
## Easy screen changes.

The screen frames are equipped with clip screens and can be quickly and easily exchanged. This also reduces the time required for exchanging the screen cleaners. Due to access to the screen stack from both sides and handy screen dimensions, one employee can easily change the screen frames with just a few manipulations.



Maximum flexibility due to 11 preconfigured screen flow patterns, with 2 to 4 fractions.

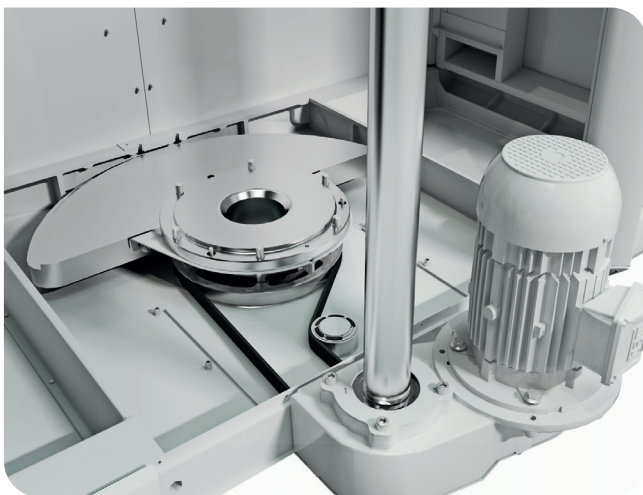
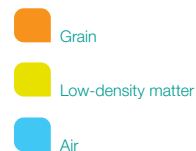
# Energy-efficient and easy maintenance. For reduced operating costs.



50% lower energy consumption due to recycling of the exhaust air inside the air-recycling gravity separator.

## Minimized energy consumption.

The air-recycling gravity separator returns 80 % of the air used to the blower. Compared to conventional solutions, this enables you to cut your energy consumption by as much as 50 %.



Easy maintenance due to outboard drive.

## Durable, low-maintenance design.



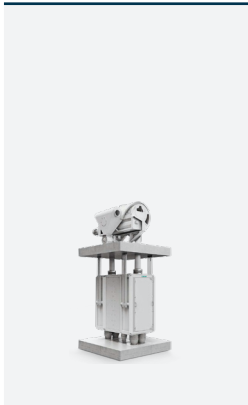




The drive unit of the Vega is attached outside the machine to the screen box. The easy-to-reach belt transmission allows belts to be changed in almost no time. High-grade engineering materials in conjunction with patented, low-wear components for abrasive products such as oats and rice minimize the maintenance requirement and increase the uptime of the system in round-the-clock operation.

Wide range of design versions.

**For any throughput and installation requirement.**

Vega high-capacity grain cleaners from Bühler are available in three sizes for throughput capacities ranging from 15 to 100 t/h and screen areas from 6.6 to 15.6 square meters – with or without frame. The air-recycling gravity separator may also be installed separately from the screen module and is also available as a stand-alone unit.

The technical data of Vega High-capacity Grain Cleaner MTVA at a glance:

Grain Cleaner Vega	Without gravity separator		With gravity separator		
	Without frame C	With frame C-G	Without frame AC	With frame AC-G	
MTVA-50					
MTVA-100					
Gravity separator	As stand-alone machine				
MTVA-A					
Grain Cleaner Vega	Screen area*	Throughput, coarse cleaning	Throughput, fine cleaning	Number of fractions (including gravity separator)	
	m²	t/h	t/h		
Vega 50	6.6–8.4	15–50 t/h	< 30 t/h	2–3 (4)	
Vega 100	14.4–15.6	30–100 t/h	< 50 t/h	2–4 (5)	

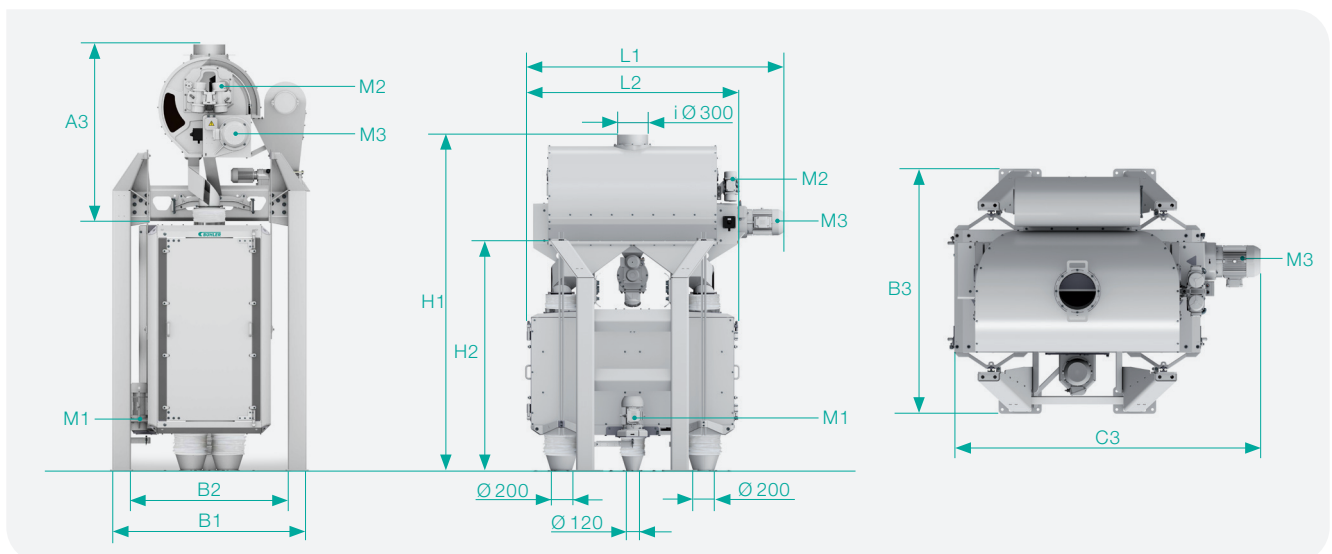
\* One screen frame equals 0.6 m²

# Minimized space requirement. For easy integration.

The intelligent, compact design of the Vega grain cleaner reduces the space requirement and allows fast integration in your plant. This enables you to gain maximum throughput capacity within a minimum space.

		MTVA-50- AC-G	MTVA-50- C-G	MTVA-100- AC-G	MTVA-100- C-G	MTVA-100- AC	MTVA-100- C	MTVA-A
<b>Height</b>	mm							
<b>H1</b>		3313	–	4094	–	–	–	–
<b>H2</b>		–	2287	–	3057	2628	2628	<b>(A3)</b> 1595
<b>Length</b>	mm							
<b>L1</b>		2543	–	2543	2110	2110	2110	<b>(B3)</b> 2464
<b>L2</b>		–	2110	–	–	–	–	–
<b>Width</b>	mm							
<b>B1</b>		1992	1992	1900	–	–	–	<b>(C3)</b> 1430
<b>B2</b>		–	–	–	1900	1527	1527	–
<b>Min.-Max. headroom</b>	mm	see Height	see Height	see Height	see Height	3500 - 6000	3500 - 6000	see Height
<b>Power 50 Hz</b>	kW							
<b>M1</b>		2.2	2.2	3	3	3	3	–
<b>M2</b>		2x0.12	–	2x0.12	–	2x0.12	–	2x0.12
<b>M3</b>		5.5	–	5.5	–	5.5	–	5.5
<b>Weight net</b>	kg	2650	2000	3850	3200	2950	2300	650

M1 – Main drive    M2 – Gravity separator feeder    M3 – Gravity separator fan drive



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