

The modular
Vitaris
cleaning system

A head start in every step of the process

Vitaris cleaning system

With Vitaris, for the first time, Bühler is providing a modular overall system for the cleaning of grains. The perfectly coordinated modules guarantee maximum efficiency and sanitation in every process step and throughout the entire cleaning procedure.

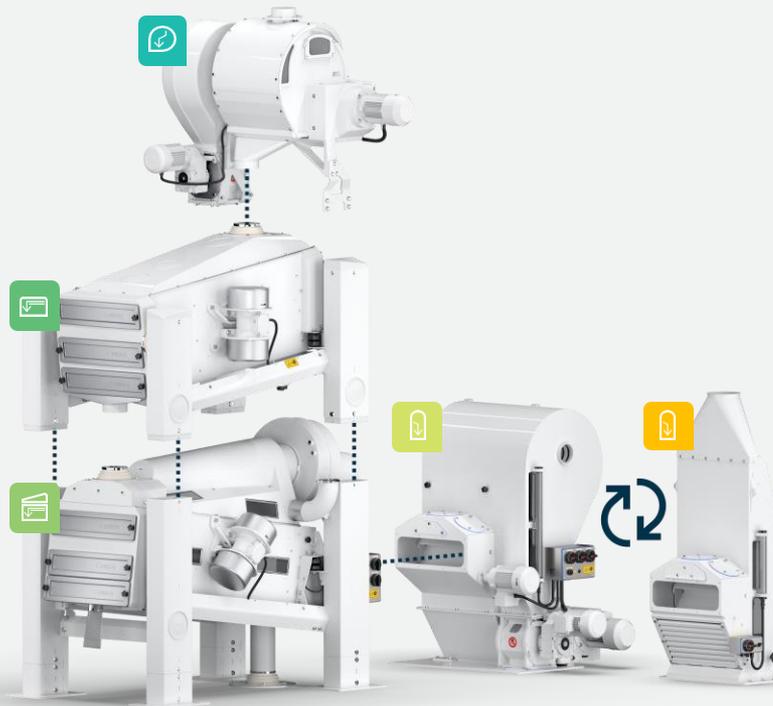
The perfect combination of efficiency and food safety

Each module of the Vitaris cleaning system increases the overall efficiency of your plant – in terms of energy consumption, space requirement and maintenance overheads. At the same time, the excellent selectivity increases your product quality in all process steps. The overall combination of modules in the Vitaris means that you benefit to the maximum from all the advantages of the new system. All steps fit perfectly together – from separating out and sieving low-density particles through removal and classification, to final aspiration.



Unlock your potential with modularity

Vitaris cleaning system



Separating out low-density particles

The compact air-recycling aspirator MVST removes dust and light particles from the grain before cleaning.



Sieving

The separator MTRD separates the grain by sorting out coarse material from fine particles. Sand and seeds are intensively removed in the coarse sand sieving area.



Destoning and classifying

The combistoner MTCH ensures maximum removal of impurities with a higher specific weight such as stones and glass. It also classifies the grain into high-density and heavy fractions. The combistoner with air-recycling operation only requires a small amount of fresh air, thereby saving energy.



Low-density particle removal

The MVSS air-recycling aspiration channel reliably removes fine impurities and dust with the aid of an adjustable airflow. By using recycled air and a frequency converter, the energy consumption is reduced.



Low-density particle removal

The aspiration channel MVSU running with fresh air is used in grain cleaning applications for separating lighter particles and impurities from high-quality grains.

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MVST MTRD MTCH MVSS MVSU

Setting new standards in cleaning Vitaris cleaning system

Every mill is different. You can precisely coordinate the Vitaris cleaning system with your existing or planned plant layout. Select and combine the modules that best suit your products, processes, space conditions and production quantities. If this changes in the future, the Vitaris modular principle allows you to react quickly and flexibly to new requirements.

Benefits

- **Minimum space requirements** by modular and individually configurable system
- **Hygienic production** is guaranteed with a food safe design and FDA approved materials
- **High end product quality** thanks to excellent and efficiency cleaning performance
- **Lower energy consumption** due to recycled air options

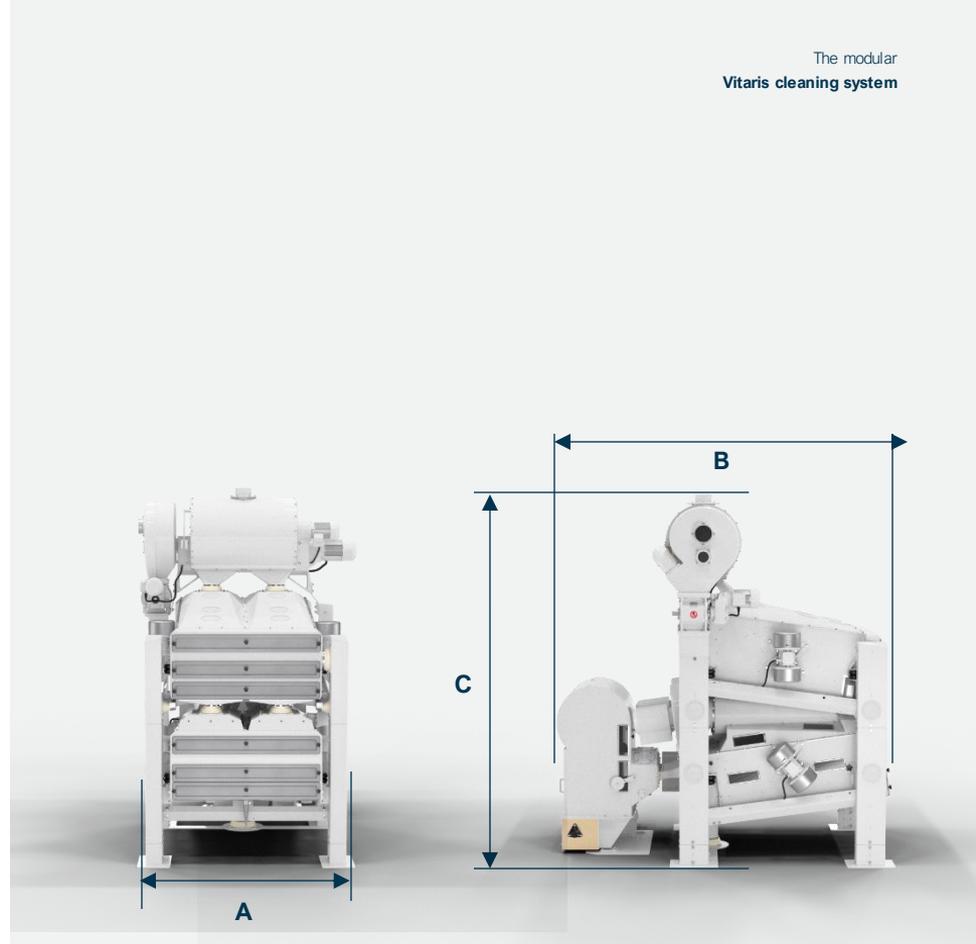
Enhance your cleaning performance

Vitaris cleaning system

The Vitaris cleaning system offers a complete solution within a minimum of space. The dynamic drives and airflow in all modules remain independent of each other and do not influence each other. This reduces the dynamic forces on the building compared to traditional combined machines. In addition, each module is pre-wired and only needs to be connected to one central point. This significantly reduces installation overheads.

Overview of technical data:

Type	Capacity (wheat)			Dimensions mm		
	Cleaning t/h	Motor rating kW	Weight kg	A	B	C
MTKC-60	2 – 12	4	2465	1810	3209	3434
MTKC-120	12 – 24	8	3348	2219	3209	3457



The right combination for you

Vitaris cleaning system

Individual products



Air-recycling aspirator
MVST-50
or
MVST-100



Air-recycling aspiration channel
MVSS-60
or
MVSS-120



Aspiration channel
MVSU-60
or
MVSU-120



Separator
MTRD-60
or
MTRD-120



Combistoner
MTCH-60
or
MTCH-120



Combicleaner
MTKC-60
or
MTKC-120

Possible combinations



**Combistoner
with air-recycling aspirator**

MTCH-60-FA-MVSS
or
MTCH-120-FA-MVSS



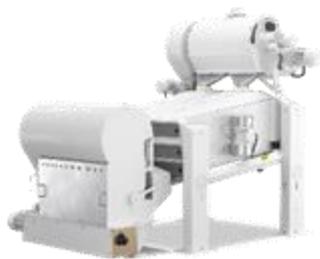
**Separator
with aspiration channel**

MTRD-60-MVSSU
or
MTRD-120-MVSSU



**Combicleaner
with air-recycling aspirator**

MTKC-60-FA-MVST
or
MTKC-120-FA-MVST



**Separator and air-recycling aspiration channel
with air-recycling aspiration**

MTRD-60-MVST-MVSS
or
MTRD-120-MVST-MVSS



**Separator and air-recycling aspirator
with aspiration channel**

MTRD-60-MVST-MVSSU
or
MTRD-120-MVST-MVSSU



**Combicleaner and air-recycling aspirator
with air-recycling aspiration channel**

MTKC-60-FA-MVST-MVSS
or
MTKC-120-FA-MVST-MVSS





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