Arenit Plus plansifter **MPAV**

Innovations for a **better world.**

BÜHLER

Highest sifting capacity **for premium end products.**

To achieve the highest quality end products in grain milling, a high performing plansifter, seamlessly integrated into the entire process, is required. With Arenit Plus plansifter, Bühler offers a particularly efficient solution for sifting and sorting of wheat flour.

Top sanitation for sifting, sorting and classifying

In addition to reliable sifting and sorting, the Arenit Plus also accurately classifies floury and granular products. The Arenit Plus can also be applied as a powerful control sifter before packaging and bulk loading installations, guaranteed by the highly efficient NovaPrime sieve fabric.

The unique interior design and the NovaTec sieve stack ensure easy cleaning, meeting the highest food safety standards. The net sifting area of 84 m^2 per compartment, with 26 NovaTec sieves, enables high sifting performance and minimal maintenance costs. An extremely sturdy framework construction ensures plant safety, while the lightweight motor significantly reduces energy consumption. The compact design significantly reduces space requirement.

Arenit Plus plansifter: safe sifting, sorting and classification of floury products.

Ideal for new installations and plant upgrades

As an integrated component in the flour production process, the Arenit Plus plansifter provides the best foundation for the highest product quality and efficient installation. The Arenit Plus can be easily and quickly integrated into new plants and is also outstandingly well-suited for retrofitting existing production lines.

The advantages at a glance:

- High sifting capacity
- Top sanitation
- Efficient sieve cleaning
- Reliable operation
- Optimal use of space

Maximum sanitation
for highest product safety.

Maximum product safety with sanitary design and easy cleaning.

Sanitary design

Easy cleaning was a high priority when designing the interior of the Arenit Plus sieve compartment and NovaTec sieve stack.

The interior is made of high quality materials. All interior walls and doors have extra insulation, which effectively prevents condensation. The use of stainless steel and the absence of screws to attach sieve stacks enable Arenit Plus to reach the highest food safety requirements.

Easy cleaning

The product channels in Arenit Plus are easily accessible, facilitating cleaning. Sieve frames can be inserted and removed very quickly. Sturdy doors fix the sieve stacks with robust fastenings in the compartments, which can be conveniently and safely tightened using easy to operate clamps.

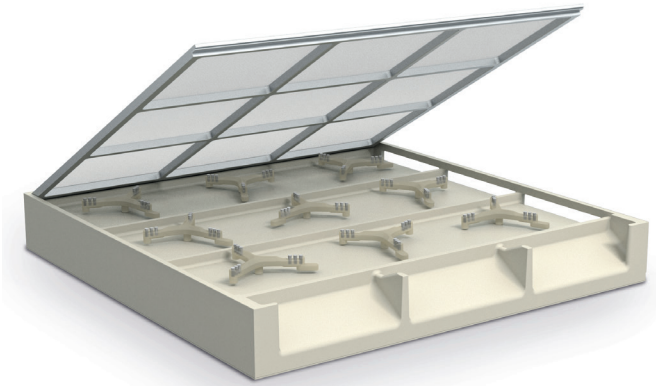
The advantages at a glance:

- High sifting capacity
- Top sanitation
- High quality materials
- Extra insulation
- No screws in sieve stacks

NovaTec sieve stack
for contamination free sifting.

Plastic/aluminum construction without connecting elements

The NovaTec sieve frame of Arenit Plus is a single piece structure made of resistant synthetic material. This means that the sieve frames do not require any connecting elements or adhesives which guarantees a contamination free sifting of wheat flour. The robust insert frame is made of lightweight and corrosion resistant aluminum, guaranteeing the high efficiency of the NovaPrime sieve fabric.



Efficient Nova sieve cleaner

The Nova cleaner, made of special synthetic material, tips on a central foot, between the sieve and the sieve tray. Thanks to the innovative design, one periferic foot is always on the sieve bottom and two brushes are on the sieve. This allows the sieve and the sieve tray to be intensively cleaned in every corner.

Easy cleaning of the smooth surface

The synthetic frames of the NovaTec sieve frame are outstanding with their smooth surface and rounded edges — the optimal conditions for easy cleaning and complete removal of residues.

The advantages at a glance:

- Large sieve area
- Maximum food safety
- No adhesives or connecting elements in the sieve stack
- Made entirely of plastic and aluminum
- Easy to clean

Sturdy design
for minimal downtime.

Particularly rigid frame design

The welded compartment frames are screwed tightly onto the cast drive frame. The entire construction was designed using the latest calculation methods for maximum loads and uninterrupted operation. These calculations and thus the stability and reliability of the construction have been confirmed by extensive running tests.

Extremely sturdy drive frame

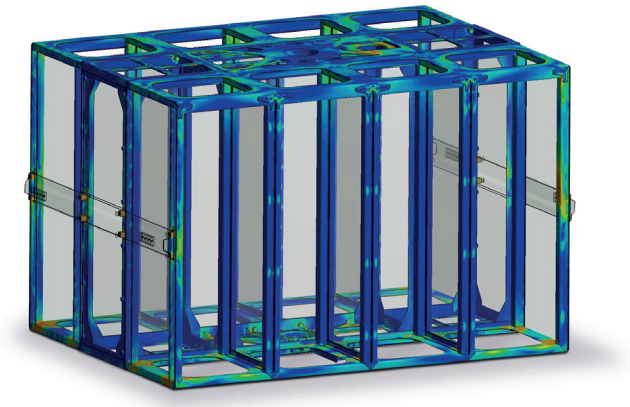
The Arenit Plus plansifter sets new standards in terms of robustness and stability. Due to the special shape and to specific properties of the cast material, the drive frame achieves even greater stiffness and gives the sifter outstanding stability.

Efficient drive

The lightweight and energy efficient motor reliably drives the sieve, helping to further reduce operating costs. Tailored to market requirements, an adjustable swing weight is used to set the sifter stroke. The robust bearings of the swing weight require minimal maintenance.

The advantages at a glance:

- Stable, reliable construction
- Energy-efficient operation
- Low maintenance



FEM calculations for the Arenit sifter frames.

Extremely sturdy construction with the cast drive frame.

Uniform tensioning of sieve fabrics **for easy operation.**

The sieve tensioning device uses compressed air to ensure uniform tensioning of the sieve fabric on the sieve frame. After attaching the clamps, it simultaneously tightens the sieve in the vertical and horizontal directions.

Easy operation

The NovaTens sieve tensioning device is easy to use. Brief training is enough to operate the sieve tensioning device.

Uniform tensioning

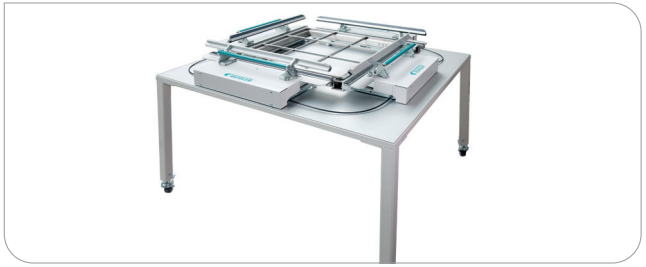
The stable design of the NovaTens ensures uniform tensioning of sieves. This is achieved by the simultaneous movement of the pneumatic cylinders as well asthe rigid construction of the clamp guide.

Excellent sifting performance

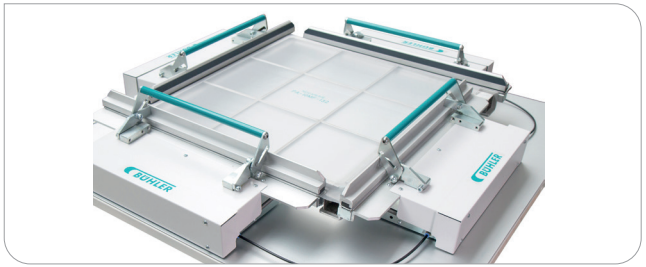
The precise and sturdy design ensures high-quality sieve tensioning, resulting in excellent sifting performance. In addition, the tensioning device requires minimal maintenance and spare parts are easy to replace.

Wide range of applications and high repeatability

NovaTens is a professional sieve tensioning device for plansifters, purifiers and other sieving and screening equipment. It is suitable for a wide range of sievefabrics, including nylon, polyester and metal mesh.



NovaTens sieve tensioning device.



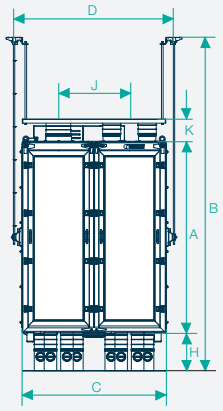
The advantages at a glance:

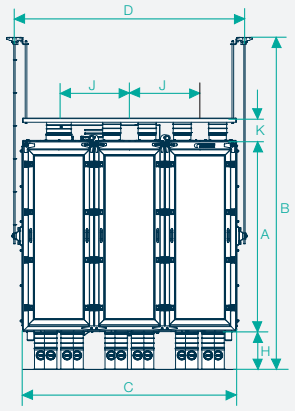
- Easy to operate
- Uniform tensioning
- Excellent sifting performance
- Wide range of applications and high repeatability

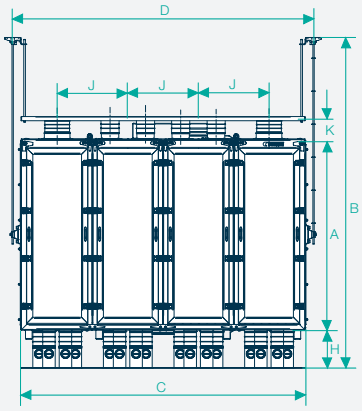
Broad range of products **for every requirement.**

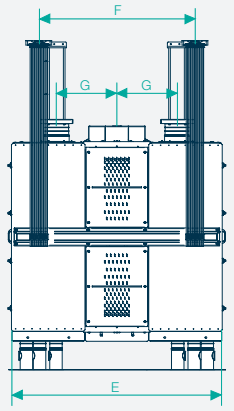
The technical data of the Arenit Plus MPAV plansifter at a glance:

	Number of sieve copartments	Max. number of sieves per compartment	Max. net sifting surface		Engine	Approx. weight (including motor)	Volume	Dimensions									
			m^2		kw	kg	m^3	mm									
			Sieve type N	Sieve type B				A	B	C	D	E	F	G	H	J	K
MPAV-4	4	26	34.3	42.0	5.5	3310	18.5	2300	min.3420	1741	1938	2565	1900	735	470	856	280
MPAV-6	6	26	51.5	63.0	7.5	4490	25.6	2300	min.3420	2593	2793	2565	1900	735	470	856	280
MPAV-8	8	26	68.6	84.0	11	5570	32.7	2300	min.3420	3451	3648	2565	1900	735	470	856	280









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