

Arenit Plus  
plansifter.  
**MPAV.**

# 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 grist and flour from wheat, rye, maize, durum and special grains or pulses .

## 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 84m<sup>2</sup> 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.

## 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.



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

### 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.

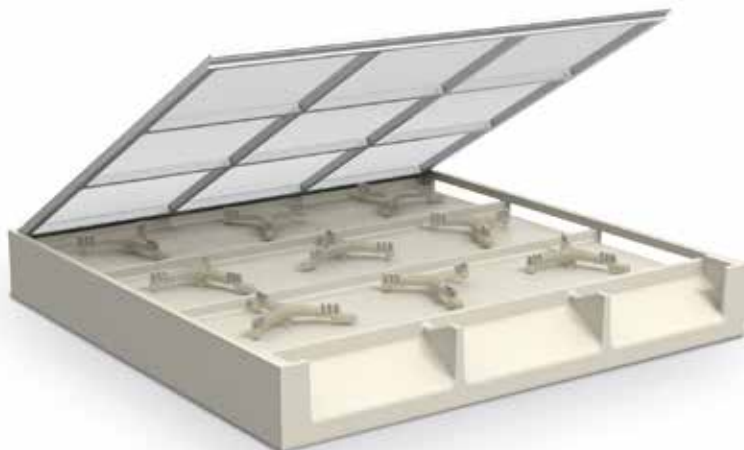
## Easy cleaning.

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. 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.



FEM calculations for the Arenit sifter frames.

## 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.



Extremely sturdy construction with the cast drive frame.

## 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

# Uniform tensioning of sieve fabrics. **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 as the rigid construction of the clamp guide.

## **Excellent sifting performance.**

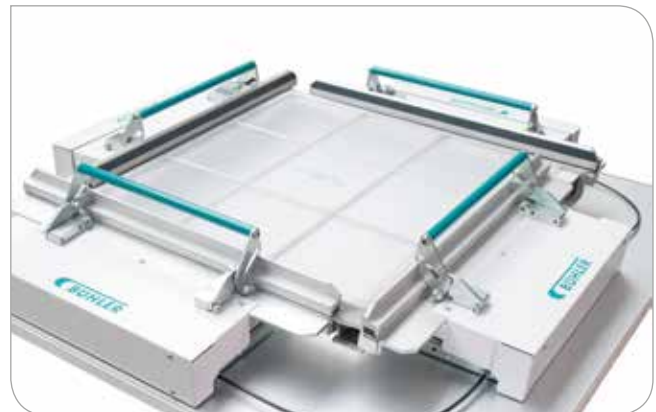
The precise and sturdy design ensures high-quality sieve tensioning, resulting in excellent sifting performance. In addition, the tensioning device requires minimal maintenance and spare parts are easy to replace.

## **Wide range of applications and high repeatability.**

NOVATENS is a professional sieve tensioning device for plan-sifters, purifiers and other sieving and screening equipment. It is suitable for a wide range of sieve fabrics, including nylon, polyester and metal mesh.



NOVATENS sieve tensioning device.



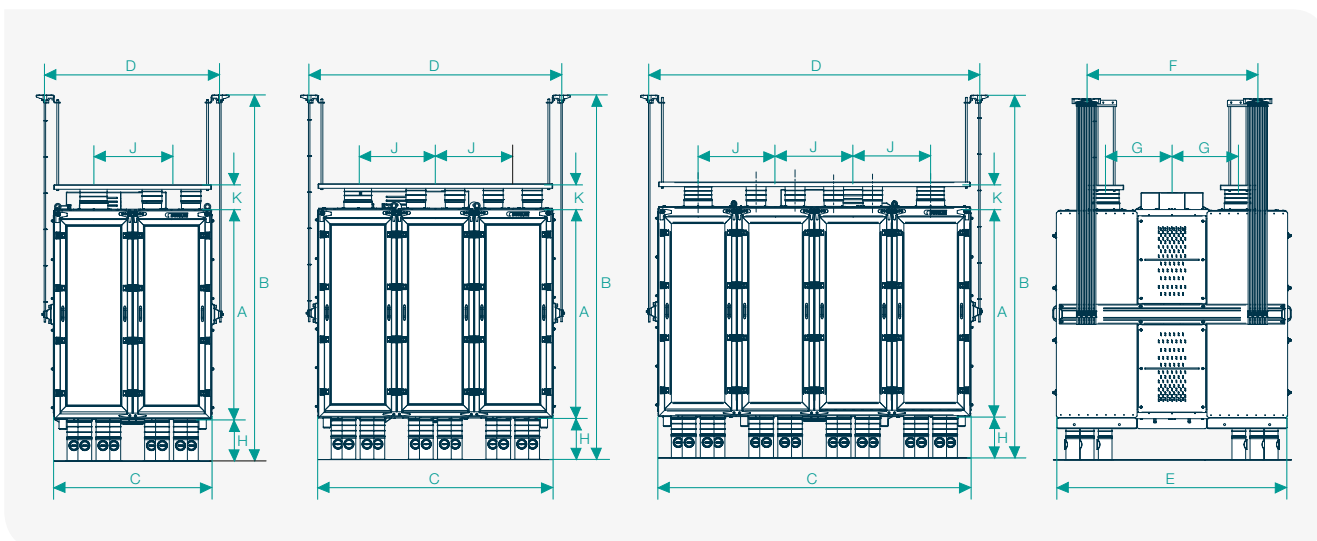
### **The advantages at a glance:**

- 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:

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



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