Plansifter Arenit.
MPAW.

Innovations for a **better world.**

BÜHLER

Highest sifting capacity.
For premium end products.

To achieve the highest-quality end products and best food sanitation in grain milling, a high-performing plansifter, seamlessly integrated as part of the entire process, is required. With its Arenit plansifter, Bühler has set new standards for efficient and sanitary sifting and sorting for grist and flour-type products in wheat, rye, maize, durum and specialty mills.

Maximum flexibility in sifting, sorting and classifying.

In addition to reliable sifting and sorting, the Plansifter Arenit accurately classifies floury and grain products. The Arenit can also be utilized as a powerful control sifter in flour silos before packaging and bulk loading.

The extremely sturdy framework construction provides safe operation, while the lightweight motor significantly reduces energy use. The net sieve surface of up to 64 m^2, with up to 26 NOVA sieves per compartment, enables high sifting performance with easy cleaning and minimal maintenance. The large selection of frame types and heights offers maximum flexibility. The compact design significantly reduces the amount of space required.

Ideal for new plants and retrofits.

As an integral component in the flour production process, Plansifter Arenit provides the optimal foundation for the highest product quality and efficient operation. The Arenit can be easily and quickly integrated in new plants and is also excellently suited for retrofitting existing production lines.

Plansifter Arenit: Safe sifting, sorting and classifying of floury and grain products.

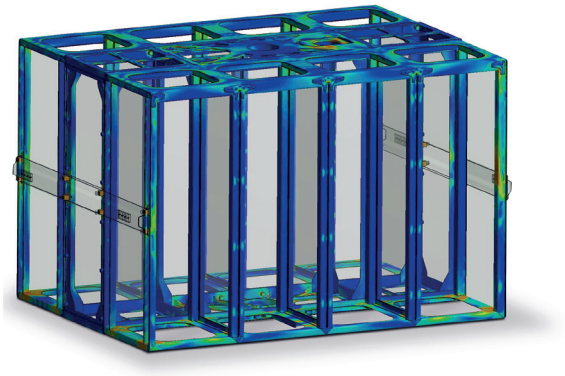
The advantages at a glance:

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

Sturdy design.
For minimal downtime.

Particularly rigid frame design.

The Arenit plansifter sets new sturdiness and stability standards. The entire construction was designed with the latest calculation methods for maximum loads in everyday operation. These calculations and thus the stability and reliability of the construction were confirmed in extensive running tests.



FEM calculations for the Arenit sifter frames.

Extremely sturdy frame construction.

The welded sieve frames and casted drive frames are screwed together to make a fixed connection. Due to the special design of the sturdy frame construction and the specific material properties of the cast material, the frame design achieves an even higher stiffness and gives the sifter outstanding stability.

Extremely sturdy construction with a cast drive frame.

Efficient drive.

The lightweight motor reliably drives the sieve and improves energy efficiency, helping to further lower operating costs. The central swing weight in the interior can be adjusted to the required settings of the sieve hub. The robust bearing in the swing weight requires minimal maintenance.

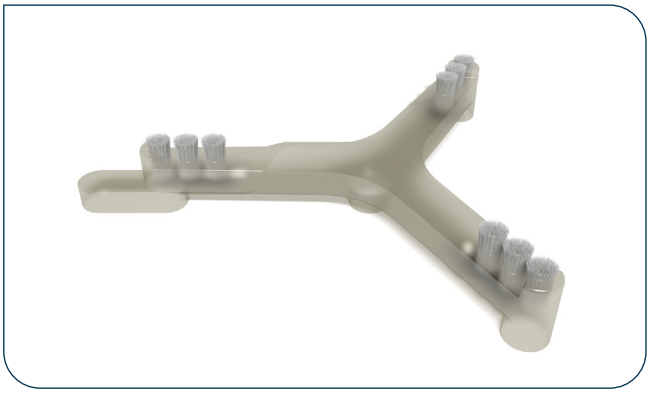
The advantages at a glance:

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

NOVA sieve generation.
For outstanding sifting efficiency.

Highest performance with optimal cleaning.

The NOVA sieve generation with the durable NOVAPRIME sieve fabric allows for maximum sieving capacity thanks to the intensive cleaning. The combined NOVA cleaner for sieve fabric and sieve tray means only one cleaner is needed. Resin coated wooden frames without corrugated grills, low-wearing metal frame inserts, as well as sieve covers glued to the metal frame inserts ensure reliable operation during continuous use. The time required to clean the sieve is significantly reduced due to easy access to the cleaner.



Innovative design.

The NOVA cleaner, made of special plastic, moves on a center foot between the sieve and the sieve tray. Thanks to the innovative design, the cleaner simply tips on its outside feet. As a result, one foot is always on the sieve surface and two brushes are on the sieve. This allows the sieve and the sieve tray to be intensively cleaned in every corner.

The advantages at a glance:

- Large sieve area
- Efficient sieve cleaning
- Constant sieve capacity

Uniform tensioning of sieve fabrics. **Easy operation.**

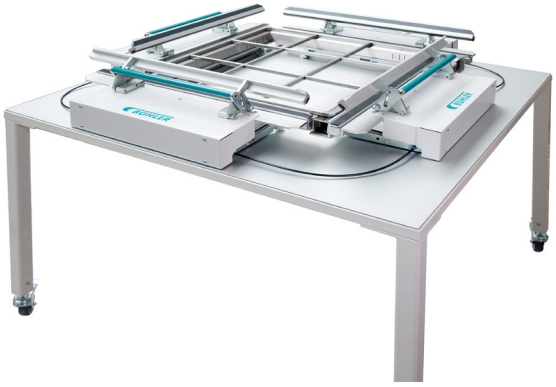
The sieve tensioning device, NOVATENS, uses compressed air to ensure uniform tensioning of the sieve fabric in the sieve frame. After attaching the clamps, it simultaneously tightens the sieve in the vertical and horizontal directions.

Easy operation.

The sieve tensioning device NOVATENS is easy to use. Only brief training is required to operate the sieve tensioning device.

Uniform tensioning.

The stable design of the NOVATENS ensures uniform tensioning of sieves. This is due to its synchronized pneumatic cylinders and the rigid construction of the clamp guide.



NOVATENS sieve tensioning device.

Excellent sifting performance.

The precise and sturdy design ensures high-quality sieve tensioning, resulting in excellent sifting performance. In addition, the 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 sieve fabrics, including nylon, polyester and metal mesh.

The advantages at a glance:

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

Custom maintenance service.
For maximum investment protection.

Easy installation and integration.

The Arenit plansifter is a key component for efficient flour production. Regular maintenance is essential to maintain the desired sifting capacity and ensure minimal unscheduled downtime. Critical spare and wear parts should always be available on site.

Bühler Customer Service provides customers with extensive advising, customized maintenance plans, replacement parts, and many other services. This support keeps the production process continuously in operation, minimizes expensive downtimes and protects investments. The recommendations are based on decades of experience by Bühler grain milling experts. With our global service network, spare parts and technicians can be on site within a very short amount of time.

Original Bühler spare and wear parts: top quality and quick worldwide availability.

A selection of our services:

Retrofits

- Up-to-date technology and efficiency standards
- Low operating costs
- Increased service life
- Quick adjustment

Repairs

- Fast response time
- Reduced downtime
- 24/7 helpline worldwide

Spare and wear parts

- Extended life cycle of machinery
- Highest operational safety
- Bühler warranty

Consultation

- Process optimization
- Productivity increases
- More energy efficiency

Education

- Training and further education in training centers around the world

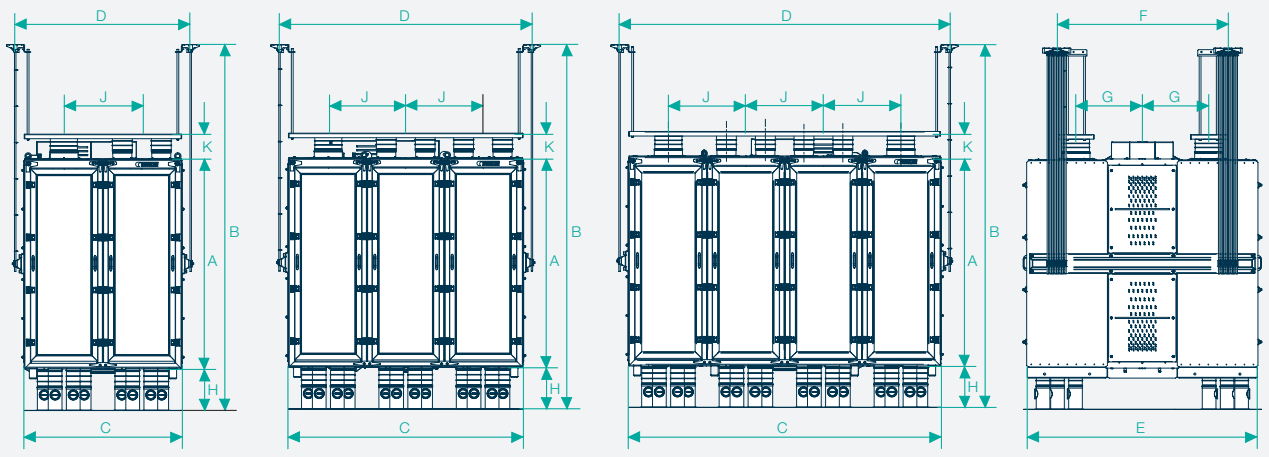
Maintenance

- Minimized downtime
- High reliability and availability
- Scheduled machine servicing

Broad range of products.
For every requirement.

The technical data of Plansifter Arenit MPAW at a glance:

		MPAW-4	MPAW-6	MPAW-8
Number of sieve compartments		4	6	8
Max. number of sieves per compartment		26	26	26
Max. net sifting surface	m^2			
Sieve type N		25,9	38,8	51,8
Sieve type B		32,0	48,0	64,0
Engine	kW	5,5	7,5	11
Approximative weight (including motor)	kg	2566	3460	4300
Volume	m^3	17	23	29
Dimensions	mm			
A		2300	2300	2300
B		min. 3420	min. 3420	min. 3420
C		1502	2247	2943
D		1714	2459	3205
E		2260	2260	2260
F		1900	1900	1900
G		735	735	735
H		470	470	470
J		745,5	745,5	745,5
K		280	280	280



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