



SEPARATION

PREPARE YOUR PRODUCT FOR PACKAGING

ANDRITZ GOUDA MILL SIFTER

ANDRITZ

ENGINEERED SUCCESS

A constant bulk density

Bulk density and particle size distribution are important parameters. These parameters determine the look and feel of your product and the filling level of your storage facilities or package. Packaging lines require constant bulk density in the product feed. The ANDRITZ Gouda mill sifter gives you a product that meets these requirements.

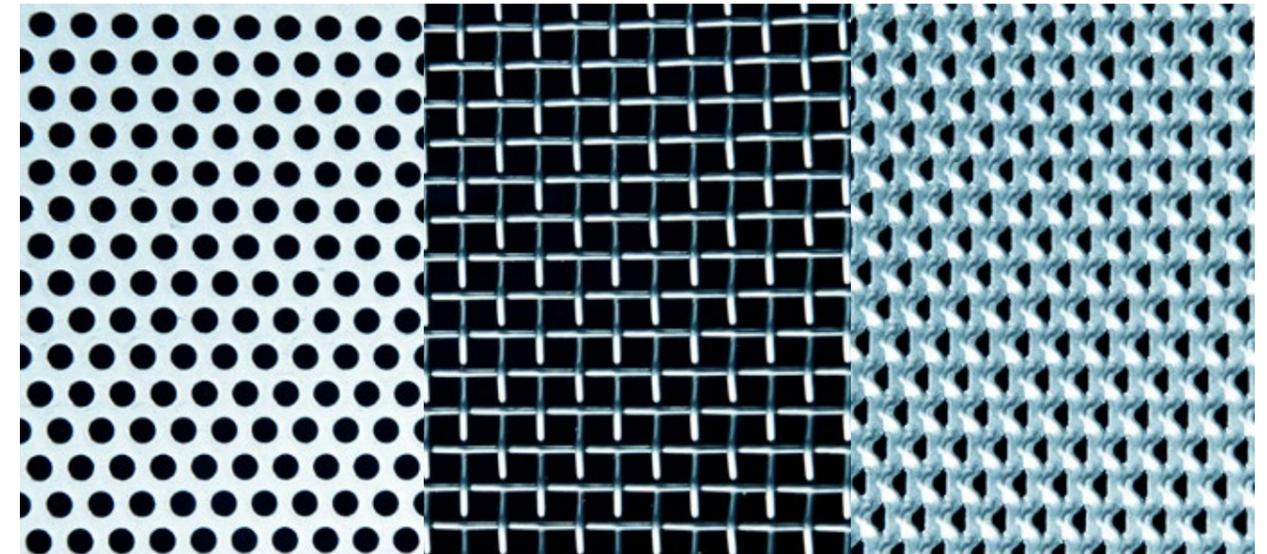


REDUCING PARTICLE SIZE

Most products produced on drum dryers leave the dryer in the form of a closed product film and are then broken down to a size that enables easy handling during transport. The product in the form of flakes of various sizes, generally averaging no more than 2 x 2 centimeters, enters the mill sifter installed further downstream. In the mill sifter, the flakes are reduced in size by fast rotating bars beating them through a sieve screen. Impurities and oversized, hard particles are sifted out and separated from the main product stream before being discharged from the milling compartment via a grit outlet.

The ANDRITZ Gouda mill sifter produces a consistent, narrow particle size distribution. This is how a well-defined and constant bulk density is achieved ready for storage, mixing with other ingredients, or packaging. The mill sifter combines gentle operation with high sifting capacity in one process step for trouble-free automatic milling. While the type of sieve screen chosen depends on the composition and characteristics of the product, the sieve perforation selected determines the bulk density and particle size. The particle size distribution and bulk density can also be influenced slightly by the speed of the beater system in combination with the type of sieve screens selected.

Meeting today's requirements



Different sieve perforations

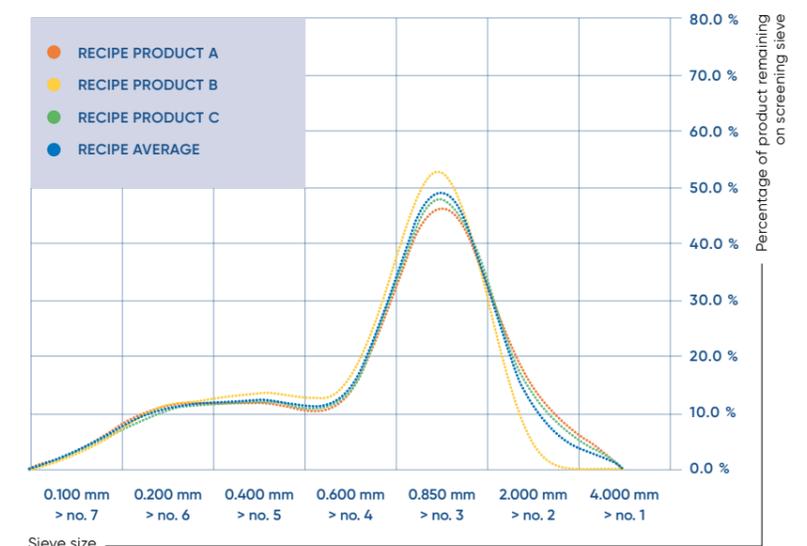
Different sieve types with a wide range of sieve perforations are available in order to achieve the desired result. The minimum fineness obtainable with the minimum sieve perforation begins at around 500 microns.

The design of the mill sifter complies with the highest standards applicable in the food industry. All parts coming into contact with the product are made of stainless steel. The bearings of the beater system are completely separated from the milling compartment. In addition, the sieve screens are easy to exchange and secured in position with a tool-free clamping system. All ANDRITZ Gouda mill sifters are fully prepared to comply with the ATEX regulations (Zone 20 inside) and supplied with documentation to obtain the certification in a built-in situation.

The mill sifter is supplied with a declaration on ATEX compliance if delivered within the EU; for deliveries outside the EU, this declaration is supplied on request.

YOUR BENEFITS

- Uniform flakes, constant bulk density
- Removal of impurities
- Easily exchangeable sieves available in different types and perforations
- ATEX compliant



Particle size distribution of various recipes when milled with the same sieve perforation



WHAT'S YOUR SEPARATION CHALLENGE?

ANDRITZ Separation is the world's leading separation specialist with the broadest technology portfolio and more than 2,000 specialists in 40 countries. For more than 150 years, we have been a driving force in the evolution of separation solutions and services for industries ranging from environment to food, chemicals, and mining & minerals. As the OEM for many of the world's leading brands, we have the solutions and services to transform your business to meet tomorrow's changing demands – wherever you are and whatever your separation challenge. **Ask your separation specialist!**

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