



Innovative Plansifter

Improving efficiency and quality in flour milling

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The plansifter is a crucial component in flour milling, used to separate the flour into different grades based on particle size. A plansifter is a type of industrial machine that is commonly used in the milling industry for sifting and classifying flour and other powdered materials. The machine consists of several stacked sieves or screens that are arranged in a specific pattern to sort particles of different sizes.

The plansifter uses centrifugal force to separate the particles by size. The material to be sifted is fed into the top of the machine and then falls onto the topmost screen. As the machine rotates, the smaller particles pass through the holes in the screen and are collected in a lower compartment, while the larger particles are carried along the screen and eventually fall onto the next lower screen.

Plansifters are available in a range of sizes and configurations, from small laboratory models to large, industrial machines used in flour mills and other processing facilities. They are an important tool for ensuring the quality and consistency of flour and other powders used in food production. As milling technologies have evolved, so too has the plansifter, with modern designs incorporating innovations to improve efficiency, accuracy, durability and reliability.

Tanis Milling Technologies, a leading manufacturer of milling equipment based in Turkey, has developed an innovative plansifter that delivers superior performance and quality, providing solutions for a wide range of industries, including flour milling, semolina milling, corn milling, and rice milling. With over 67 years of experience in the industry, the company has established itself as a trusted partner for milling companies worldwide.

The company offers a range of products and services, including roller mills, plansifters, purifiers, bran finishers, and other milling equipment. Tanis Milling Technology's equipment is

designed for high efficiency, continuous, and durable operation, ensuring a consistent and reliable output.

A unique design

At the heart of Tanis Milling Technologies' plansifter is its unique design. Unlike traditional plansifters, this plansifter is constructed in three main blocks, each made of 10mm steel. The use of bolts instead of welding to join the blocks minimises the risk of breakage, ensuring the sifter's longevity and durability.

But what sets the Tanis plansifter apart is its innovative solution for distributing weight on upper and down bearings: the use of springs on the main shaft. This solution reduces stress and wear on the bearings, leading to extended lifespan and lower maintenance costs. Additionally, the reduced vibration and noise levels create a safer and more comfortable working environment.

It also has a unique design for the sieve box of its plansifters, which features a very strong joint system. The sieve box can be made from either wood or plastic, depending on the specific requirements of the milling process.

In addition to the sieve box, Tanis also offers a range of options for the sieve frame, including wood and aluminium. The sieve frame can be backed or non-backed, depending on the specific needs of the milling process.

Another unique system in Tanis Milling Technologies' plansifters is the lock system for the sieve boxes. This system is designed to distribute weight evenly and maintain balance on the sieve boxes, preventing them from moving and eliminating any risk of flour mixing.

The lock system is an essential feature in ensuring the quality and consistency of flour production. It is designed to keep the sieve boxes securely in place and prevent any unnecessary movement during operation, which could result in contamination or inconsistencies in the final product.

By maintaining balance and preventing movement, Tanis' plansifters are able to deliver high-quality flour with consistent particle size and purity.