

Press release

Van Aarsen introduces new feeding device for its GD hammer mill to minimise explosion risk

Innovative ATEX-certified grinding installation

Employees, production equipment, and buildings are valuable assets. By minimising the required maintenance and maximising the service life of expensive grinding installations, it's also possible to ensure that they are much more cost-effective. In order to further minimise explosion risk, Van Aarsen has introduced an innovative feeding device with an integrated heavy parts separator (also known as a "stone catcher") for its GD hammer mill. The GD hammer mill with feeding device from Van Aarsen will be ATEX-certified.

Innovative feeding device with integrated heavy parts separator

When dust comes into contact with an ignition source, such as sparks, in an oxygen rich environment, there is a risk of explosion, and that is exactly what happens when the grinding process for grains and organic materials is started or stopped in a hammer mill. Van Aarsen develops and manufactures machines for the production of compound feeds and premixes for the animal feed industry. It is also a leader in developing new techniques for minimising explosion risk without compromising the efficiency and quality of the grinding process. As such, Van Aarsen has now introduced an innovative feeding device with an integrated heavy parts separator for metal objects, stones, and other heavy objects. The heavy parts separator detects such objects and removes them to prevent them from being fed into the hammer mill and causing sparks. Van Aarsen has optimised its heavy parts separator by automating the removal of metal objects and stones and by the combination of this removal with the screen exchange process. By ensuring that the automated removal of heavy objects and the exchange of the screens take place at the same time, the downtime of the hammer mill is reduced and its capacity is increased. In order to provide a controlled release of pressure in case of an explosion, van Aarsen has also fitted the bin beneath the hammer mill with a pressure relief valve. This feature ensures that the hammer mill also complies with the specific ATEX standards that apply in Germany for hammer mills.

Maximising the service life of screens and reducing maintenance and downtime

The new feeding device has a compact design and can easily be integrated into the GD hammer mill and the automated screen exchanger. Besides minimising the risk of explosion, Van Aarsen's new feeding device with integrated heavy parts separator also prevents damage to the screens. This greatly increases the service life of the screens and significantly reduces machine downtime and maintenance. The GD hammer mill from Van Aarsen will be ATEX-certified and therefore complies with the strict European guidelines for the prevention of explosions. Van Aarsen also offers a range of other options for further minimising the explosion risk associated with the grinding process, including temperature monitoring and spark detection.

More information

At the IPPE in Hannover, Van Aarsen will be presenting its new feeding device with integrated heavy parts separator for the GD hammer mill aimed at further minimising the risk of explosion. For more information, please visit IPPE stand B7583 or go to: www.aarsen.com.

Van Aarsen International develops, manufactures, and supplies state-of-the-art machines and complete solutions for the production of compound feeds and premixes all over the world. Van Aarsen believes that the quality of animal feeds is crucial. The better the quality, the better the quality of the food on your table! Van Aarsen takes the crucial role it plays in the "agro-food" chain very seriously. The innovative machines and complete solutions that it provides for animal feed manufacturers are built and designed to optimise production and reduce operational costs by minimising energy consumption and optimising feed safety and ease of operation. Since 1949: advice@aarsen.com