

Dustfree big bag filling

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One of the core competences of „Moore Anlagenbau“ are big bag filling systems. These components are always adapted individually to the structural conditions of the producer. The necessary dedusting is often done by dedusting plants of Infastaub.

Granular, well or badly flowing, fine-grained and a great variety of bulk solids are filled via special systems into big bags. They are a widespread transport device for a large number of products and an important part of the production chain.

One of the core competences of „Moore Anlagenbau“ are big bag filling systems. These components are always adapted individually to the structural conditions of the producer. This can be at very small dimensions or - just like in our project - transportation of big bags filled with quartz sand via a roller conveyor.

When designing the plant, much attention was paid to low dust content. In this project, milled quartz sand, which has a very low bulk density of 0.90 - 1.60 kg/dm³, is filled into big bags. The lower the bulk density, the higher the developed dust when moving.

At the significant emission sources the dust is aspirated safely and efficiently by exhaust hoods above the filling station. Via a pipe system the dust is directed to a very efficient filter plant that is situated outside. An almost dustfree handling is ensured.

The cartridge filter with a filter surface area of 32 m² is designed for a volume flow of 2,400 m³/h. Noise emission of the fan is reduced by a silencer.



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