

Technical information sheet

Glass Cleaning System for Light (25 kg/m³) and Medium weight materials (25-50 kg/m³)

Glass Cleaning System

The system consists of a vibrating screen with a flexible screening deck, which removes the 0-10 mm fraction out of the dirty material stream.

The 0-10 mm fraction contains a lot of fine glass, which causes enormous wear to the air system and should be determined out of the material stream before it reaches the wind shifter.

Due to the fact that the unders fraction 0-10 mm is not cleaned by the wind shifter there will be small peaces of paper in this stream.

Behind the vibrating screen there is a covered conveyor with a wind shifter positioned at the end with an integrated reception chute.

The next step in this cleaning process is a second vibrating screen with flexible screening deck. This screen removes the 10-25 mm fraction out of the material stream. After taking out this fraction a product remains, which is considerable heavier than the contaminations that still are in the material stream.

At the end of this screen a second wind shifter with integrated reception chute is positioned. This wind shifter will take out the majority of the contaminations of 25-50 kg/m³.

The system will be delivered with the following fittings

- Vibrating screen to take out the 0-10 mm fraction.
- Conveyor with cover to improve the air stream and therefore the purity of the wind shifter.
- Wind shifter to take out contaminated material with a maximum weight of 25 kg/m³.
- Vibrating screen to take out the 10-25 mm fraction.
- Wind shifter unit to take out contaminated material with a maximum weight of 25-50 kg/m³.

Boundary conditions

This system is suitable to work a total capacity of 6 to 8 T/h of a contaminated Glass stream.

- Density of the input fraction approximately 450 kg/m³
- Density of the glass fraction approximately 1250 kg/m³
- Density of the light fraction maximum 25 kg/m³
- The humidity of the lights maximum 20%

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