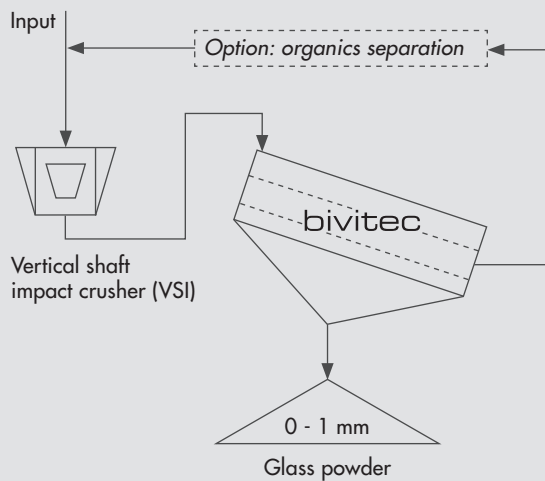
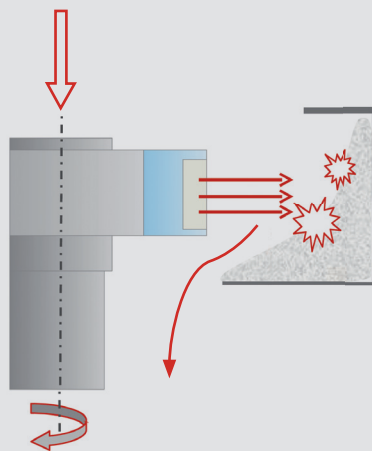


Comminution Plant to Produce Glass Powder



Process description

With the comminution system established by Binder+Co for the glass recycling industry, non-sortable fractions can be added to the glass melting process as a supplement.



Functional principle of the vertical shaft impact crusher (VSI)

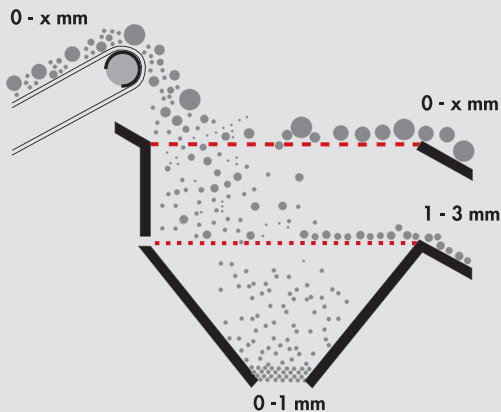
The fraction to be crushed is fed to the vertical impact crusher from the top via a feed hopper. In the VSI the material is taken up by a rotor and thrown to the outer wall. Through the high speed and the related centrifugal acceleration, the material is thrown onto the crushed material kept on the outer wall (material on material) and thereby comminuted.



Vertical shaft impact crusher

- High crushing efficiency
- Rotor in open, low-wear construction
- Wear parts made of hard metal and custom casting
- Machine housing with maintenance-friendly, large inspection doors on the cover and housing
- Wear protection for hopper and housing with material cushion
- No dust emission due to air circulation at the rotor

Comminution Plant to Produce Glass Powder



Screening

The crushed material is screened with the Binder+Co special screening system BIVITEC. The glass powder (0 - 1 mm) is separated. The material from the relieve deck and screening deck is fed back to the VSI in a circulation loop.

Organics separation can be integrated into the loop as an option.



BIVITEC

- Optimum for difficult to screen materials
- Double vibration principle from one driving mechanism
- Tension and extension of the dynamic screen mats achieve high acceleration values
- Long lifetime due to high-quality polyurethane screening mats
- Free screen surfaces
- Efficient performance
- Individually adaptable to material to be screened
- Dust-tight

The know-how of Binder+Co AG in the processing of bulk materials and recycling materials can be seen in a broad range of special machines that are used worldwide in the raw materials and recycling industry.

The particular strength of Binder+Co is found in the development, planning and construction, manufacturing as well as assembly and start-up of customised solutions for specific customer requirements as a sole source supplier.

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