

Use of Binder+Co technology enables gravel screening plant with only two screening machines



Minimization of investment and operating costs by combining circular vibratory and BIVITEC screening machine

Year of construction: 2008/2009

Country: Austria

Feed material: Diabase

Feed rate: 250 t/h

Ref. Number: 28612

Starting situation

The aim, after an upgrade to the gravel processing system in the diabase processing plant of Mineral Abbau GmbH, is to produce 7 products. The invitation to tender envisages two circular vibratory and one special screening machine each with 2 screen decks.

Solution by Binder+Co

Binder+Co designed a 2-machine variant. In this case, the coarse cut points 22, 16 and 11 mm are effected by a circular vibratory screen with 2 ½ screen decks. A three-deck BIVITEC screening machine is used for screening the intermediate product "0/11 mm" into 6 fractions: the 8 mm cut point takes place in the upper deck, the 4 mm cut point and partial "fish grain" screening take place in the intermediate deck, while the 2 mm cut point and partial "filler removal" are implemented in the lower deck.

Benefit for the customer

- Lower investment costs (fewer screening machines and conveyor belts, lower expenditure for electrics and dust removal as well as the housing).
- 30% lower drive power for the gravel screening machine.
- Lower operating costs, particularly in respect of energy consumption, wear on screen mats and expenditure for wear plates.
- Increased ease of maintenance.