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

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.

Year of construction: 2008/2009
Country: Austria
Feed material: Diabase
Feed rate: 250 t/h
Ref. Number: 28612

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

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