

Railway track ballast Crushing Plants of SBM. SBM is a professional manufacturer of crushing equipment, *mining equipment*. It is major production include...

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Railway track ballast Crusher

SBM is an international Railway track ballast Crushing Plants manufacturer and exporter. And supply the the best Railway track ballast Crushing Plants, Railway track ballast Crusher. You can learn more information about the equipment of railway track ballast.



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CRUSHING PRODUCT LINE

- Highway Stone Crushing
- Construction Waste Recycling
- Dolomite Crushing Process
- Quarry Crushing Machine
- Stone Crushing Equipment
- Rock Crushing Process
- Ballast Product Line
- Basalt Crushing
- Mining Mill Grinder
- Mining Equipment
- Mining Crusher
- Ore Grinder Crushing
- Kaolin Mining Process
- Quartzite Crushing Machine
- Sand Making Plants
- Grinding Mill / Grinder
- Cement Sandstone Crushing
- Sand Production Line
- Concrete Crushing
- Stone Crushing Machine
- Gypsum Mining Equipment
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- Chrome ore mining
- Calcium carbonate crushing
- Bauxite ore mining
- Perlite Mining Machine
- Rare Earth Mine Crushing
- Lithium Ore Crushing plant

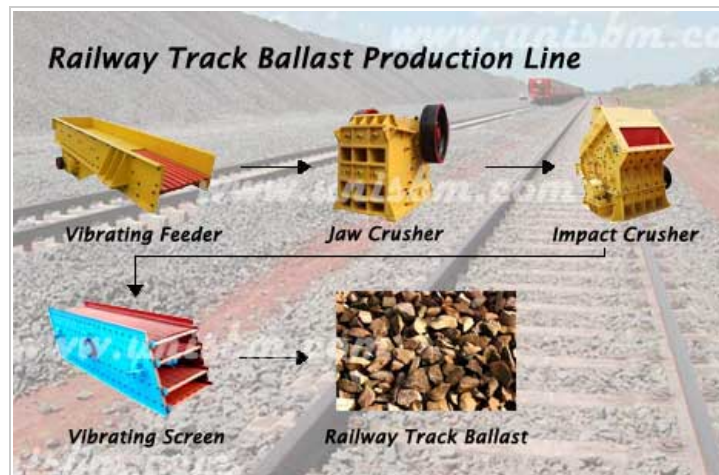
Railway track ballast production line

What is railway track ballast

Railway track ballast is packed between, below, and around the ties. It is used to facilitate drainage of water, to distribute the load from the railroad ties, and also to keep down vegetation that might interfere with the track structure. This also serves to hold the track in place as the trains roll by. Good quality track ballast is made of crushed natural rock (granite, quartzite) with particles between 28mm and 50mm in diameter; a high proportion of particles finer than this will reduce its drainage properties, and a high proportion of larger particles result in the load on the ties being distributed improperly.

The detail of Railway track ballast production line

Ballast crushing and screening plant consist of jaw crusher, cone crusher, impact crusher, VSI stone crusher, vibrating screen, and belt conveyers, These machines are of advanced structure, good performance, high reliability (such as jaw crusher achieved EU CE Certificate), and praised by many customers home and abroad. The crushing and screening capability can be from 50 tons per hour to 600 tons per hour. The size of crushed product can be from 0 to 50 mm. The classification of size of crushed product can be set and adjusted according to customer's different requests.



The parts of crushing process

1. Vibrating Feeder
2. PE/PEX Series Jaw Crusher
3. PF Series Hard Rock Impact Crusher or Cone Crusher
4. Vibrating Screen
5. VSI Series Vertical Shaft Impact Crushers

Process of the railway track ballast production line

Big size stones are transferred to primary crusher through vibrating feeder from hopper for first crushing, then the crushed materials are transferred to impact crusher through belt conveyor for secondary crushing. The materials crushed will be transferred to the vibrating screen, and separated to different sizes. The aggregate with suitable size will be transferred to the final product pile and aggregate with unsuitable size will be transferred to the impact crusher for re-crushing. This forms a closed and manifold cycles. The sizes of final products will be graded and separated according to customers' requirements, and the duster will be attached for the sake of environment protection. The track ballast production line are reasonable combined with different crushers and have compacted special crossing distribution in their material processing flow design, so that they are small foot printed of fields, high quality in crushed products, low in quarry dust and they will give you high reward for your investment. Their advanced electric control panel can assure the whole process discharge smoothly, running reliable, operation easily and high efficiency in power consumption.

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