CATALOGUE

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Contact Winner
Double Frequency Screen

Brief Introduction

1. Aggregate production can be simply summarized as crushing and sorting, mainly from the conveyor, feeding, crushing, screening, sand and other aspects of aggregate production line introduced aggregate.
2. The choice of crushing equipment depends on the characteristics of ore raw materials, the local market demand for gravel products and production capacity of the production line.

Production Process

a. Large stone by the silo by the vibrating feeder evenly sent to the jaw crusher for coarse crushing, coarse crushed stone by the conveyor belt to the impact crusher for further crushing.

b. Crushed stone by the belt conveyor Sent to the vibrating screen for screening, screening out several different specifications of the stone, meet the requirements of the size of the stone conveyor belt conveyor, the finished product sent to finished heap.

c. Do not meet the requirements of stone by the conveyor belt back to the impact crusher to break again to form closed-loop multiple cycles.

d. Finished particle size can be combined in accordance with the needs of users and grading, to protect the environment, can be equipped with auxiliary dust removal equipment.
Circular Vibrating Screen

Applications

1. Aggregates with grain size larger than 5mm are called coarse aggregates, and there are two kinds of gravel and pebble commonly used. Particle size grading: 5-10, 10-20, 20-31.5.
2. The aggregate with the grain size below 5mm is called fine aggregate. According to the production of sand is divided into natural sand and machine-made sand.
3. Aggregates as the main raw material in concrete because of its good hardness and stability of chemical properties. It is play a role of the skeleton and support in the building. Widely used in housing, roads, railways, engineering and other fields.
4. Aggregate production lines can be used for hard limestone, granite, basalt, river gravel, smelting slag and other materials, aggregate and artificial sand making operations, for Hydropower Station, building materials, highways, urban construction and other industries.
5. According to different process requirements, various types of equipment combined to meet customer’s different process requirements.

Performance Advantages

a. The shape of the final product, with excellent quality
b. Mud and powder content can be controlled.
c. This sand production line has the characteristics of high automation, low operating cost, high crushing rate, high productivity, and little pollution, etc. It is energy saving and is convenient to maintain.
d. Sand made by our sand production line is of equal size, good shape and reasonable distribution, complying with national building sand standard.
e. Due to reasonable matching of different levels of crushing machines and compact spatial arrangement, our crushing and screening plant has the features of small floor space, high economic efficiency. The crushed stones are of high quality, and the output rate of stone powder is low.
f. Meanwhile, our sand production line is equipped with electronic control system which ensures smooth discharging, reliable performance, high efficiency and energy conservation.
g. Our senior engineers design each production line according to different customers.
Circular Vibrating Screen

Main Equipment

1. Vibrating feeding equipment
This type of vibrating feeder can continuously feed the material to the crusher continuously and make rough screening of the materials.

2. Crusher
① According to the broken principle can be divided into two categories: extrusion crusher and impact crusher. Extrusion crusher (such as gyratory crusher, jaw crusher, cone crusher) is suitable for rock with high hardness and abrasive index (such as granite, quartz, diabase, basalt).
② Impact crusher (such as the impact crusher, vertical shaft crusher, hammer impact crusher) to adapt to the hardness, abrasion index medium or low rock (such as limestone, dolomite, etc.).
③ Jaw crusher: primary crushing of hard rocks and block materials
④ Impact crusher: secondary crushing
⑤ PYFB-1324 Composite cone crusher PYFB-1324 compound cone crusher used in mining, cement, sand and gravel industry, for medium, fine broken, the pressure of 350 MPa in the following mine rocks, such as iron ore, non-ferrous metal ore, basalt, granite Limestone, sandstone, pebble stool.

3. Circular screen/vibrating screen---sieve the crushed stone into different sizes

4. Sand making equipment, mainly vertical shaft sand or rod mill.
① Vertical axis form of sand making machine
Sand making machine is widely used in a variety of fine ore broken. Sand making machine is widely used in medium and fine crushing fields of various hard and special hard materials such as ore, cement, refractory material, bauxite clinker, emery, glass raw material.
② Rod mill
Rod mill is mainly used for preparation of sand. The material is raised to a certain height, falling state was dropped, the need for grinding of the material from the feeding Department of continuous into the cylinder, the grinding of the grinding medium is moving, and through the overflow and the power of continuous feeding the product out of the machine for the next processing step.

③ Screw classifier
Screw classifier used for the production of gravel in the process of particle size grading, and used in conjunction with mining machinery. Screw classifier Widely used in the ore dressing and ball mill with a closed loop, diversion of ore, or for gravimetric ore in the classification of ore and fine mud, and metal mineral processing process for particle size grading, and washing operations in the deslimation, dehydration and so on. The spiral classifier has the characteristics of simple structure, reliable operation and convenient operation. Also used for gravel operations in the deslimation or dehydration.
Circular Vibrating Screen

Main Specifications

Technical Parameters

<table>
<thead>
<tr>
<th>Maximum Feeding Size (mm)</th>
<th>Capacity (t/h)</th>
<th>Vibrating Feeder</th>
<th>Jaw Crusher</th>
<th>Fine Crushing Equipment (Impact Crusher)</th>
<th>Vibrating Screen</th>
<th>Conveyor Equipment (m)</th>
<th>Conveyor Equipment (m)</th>
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<td>340</td>
<td>30</td>
<td>GZD2511 (3kw)</td>
<td>PE400×600 (30kw)</td>
<td>PF1007 (45kw)</td>
<td>3YZ1236 (19kw)</td>
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HENAN WINNER VIBRATING EQUIPMENT CO., LTD
Enterprise Profile

Since 1954, Winner Group started the factory manufacturing Vibrating Feeder, Jaw Crusher, Impact Crusher, Cone Crusher, Vibrating Screen, Belt Conveyor, Construction Demolition Waste Recycling, Municipal Solid Waste Recycling, Sand & Stone Production Line and so on, with a wide application in Coal industry, Steel, Metallurgy, Mining, Construction, Chemical industry, food industry etc.

Located in Xinxiang city, China, 1 hour by car to the airport, with employee more than 1000, among whom 380 R&D engineers, a provincial research center, owning 133 invention patents and utility patents, ISO and CE criteria, top brand in domestic market and more than 30 countries exporting cases, this is how Winner Group guarantee the product quality and technical services.

With lots of government quality awards and technique awards, Winner serves the customers including China Bao Steel, China National Coal Group, Shenhua Group and Exports to USA, France, Brazil, India and other countries. Winner Group will always be there to provide you customized crushing and sorting solutions.
Contact Winner

HENAN WINNER VIBRATING EQUIPMENT CO., LTD

Add: No. 1, Gongye Road, Xinxian County, Xinxiang, Henan, China
E-mail: business@wmvibratingscreen.com
Tel: +86 373 3067721
Skype: wmvibratingscreen
WhatsApp: +86 187 3827 4317
Website: www.winnermanufacturing.com