

Crusher machine, crusher machine's technical features

VSI5X crusher machine

Based on the German technology and our multi proprietary property, we company has developed this kind of new high-efficiency crusher . And VSI5X crusher machine has integrated three types of crushing into a single whole,which has become a new kind of high-efficiency crusher and core equipment . VSI5X crusher machine are widely used in metal and non-metal mine, concrete, fireproof material, abrasive filler, frit, construction aggregate, sand, metallurgy and other industry. It is used for mid & fine crushing and suitable for various hardness of ores and rocks ,such as iron ore, nonferrous metal ores, carborundum,bauxite stone, quartz sand, brown alumina, Expanded Perlite, whinstone and so on.

Working Principle of VSI 5X Crusher Machine

Feeding at center

The materials fall down into the feeding hopper ,and then enter the high speed impeller through the central feeding hopper ,and at last they will be thrown out from the impeller.The materials strike with the materials that are freely falling down , then crush togetherly to the vortex liner and are rebounded to the top of vortex cavity ,and then falling down. The falling materials with the shoot materials form a continuous materials curtain .After several this kind of repeating , the final materials will be discharged from the discharging opening .

Feeding both at center and sides:

Raw materials enter the feeding hopper and fall down through the circle ring, and then they are divided into two divisions by the distributing plate. One enters the high speed impeller and then they will be accelerated and thrown out from the impeller. The other falls down from the sides of distributing plate. Then this two kinds of materials will crush with each other, and then strike togetherly to the vortex liner and are rebounded to the top of vortex cavity ,and then falling down. The falling materials and the shoot materials will form a continuous material curtain .After several this kind of repeating , the final materials will be discharged from the discharging opening .

Technical Features of VSI 5X Crusher Machine

- 1 Optimized deep-cavity rotor improve the material throughput by a lot.
- 2 Part-worn around protecting plate can be reversed end for end to use again ,which can improve the operating factor and extend the service life over 48% .
- 3 Assembled hammer reduces the cost by more than 30%. In addition, adding the assistant hammer which protects the frame when the main hammer is worn.
- 4 And the core wear resistant material adopts the American high-standard wear resistant material.
- 5 Adopting the lozenge impact plate protects the frame better.
- 6 Adopting international famous brand bearing from Japan, Sweden, America and so on.
- 7 Advanced shoot opening and fluent inner curve reduce the flowing resistance which improve the throughput by large extent.
- 8 Convertible distributor simplifies the operation.
- 9 Air proof structure of main axle end avoids oil leaking without felt washer.
- 10 The hydraulic uncap assembly adopts Japanese imported with original packaging parts which make the maintenance easier and more convenient.
- 11 Adopting high protection standard motor with high efficiency and low noise,the motor conform to the IEC standard, F insulation, IP 54/55 protection standard.

Products Advantages of VSI 5X Crusher Machine

Designed by the Shanghai Shibang Group ,VSI5X crusher machine adopts the German advanced technology and its bearing adopts the European advanced technology .Its motor adopts the advanced high abrasion & temperature-proof materials ,and high protection degree,which can

improve the material throughput by 30%,service life by 48%, operation reduction cost by 30% ,which features low operation cost ,high efficiency ,low noise and no oil leaking without seal.With all these advantages ,it has definitely occupied the leading position and received welcome from home and abroad.

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