

## Vertical Shaft Impact crusher

Zenith Vertical Shaft Impact Crusher (VSI) Range offers machines typically used in the third or fourth stage of crushing circuits. This provides the greatest flexibility of application for crushing machines in a wide variety of materials and circuits. Zenith Vertical Shaft Impact Crusher has better circuit balance and can be custom tailored to application, material condition, and desired final product size.

Zenith has developed a new Barmac Vertical Shaft Impact (VSI) crusher aimed at aggregate producers looking for a competitive edge. It is suitable for processing almost any competent, abrasive, friable or sticky material.

**Shanghai Zenith Vertical Shaft Impact crusher — your competitive advantage:**

The complete range of Shanghai Zenith Vertical Shaft Impact crusher incorporates rock-on-rock crushing technology that has revolutionized the aggregates and minerals industries worldwide. The Shanghai Zenith rock-on-rock crusher offers the modern operator product grading control by optimizing numerous variables:

- Variation of rotor speed.
- Choice of crushing chamber cavity rings.
- Adjustment of cascade feed ratio.
- Selection of different diameter rotors.

Designed for low service requirements, ease of lubrication and continuous service, the Shanghai Zenith will readily fit into

any existing or proposed crushing plant.

## **Reach New Heights with Shanghai Zenith Mineral Machine:**

### **Higher capacity**

VSI series of vertical shaft crushers are the solution for current and future operating conditions in which output and productivity demands are increasingly stringent. Our engineers have optimized machine layout to maximize compactness with a single drive shaft to make the machine even stronger and more powerful without unbalancing the rotor. A lot of effort has gone into redesigning the rotor to minimize wear while increasing crushing reduction factors and capacity. VSI series of vertical shaft crushers enable to achieve a higher reduction with fewer crushing stages, lowering your capital costs and saving energy.

### **Higher quality**

Shanghai Zenith Minerals international reputation is based on crushing plant efficiency and quality. Shanghai Zenith vertical shaft crushers are firmly rooted in this tradition. On-going collaboration with many research laboratories has now made it possible to bring you state of the art technical innovations in terms of the durability of wear parts and the reliability of the mechanical components used in the crushers.

### **More applications**

The strength of VSI impact crushers makes them ideal for every kind of application in many different configurations. VSI vertical shaft impact crushers have demonstrated their effectiveness in many applications from crushing low abrasion materials to

extremely abrasive products for industry.

**Shanghai Zenith VSI features:**

- Competitive capital cost, especially when compared with conventional crushing equipment.
- Low service and maintenance requirements along with minimum operating and wear costs.
- Rock-on-rock technology minimizes wear part requirements.
- Quick and easy installation. Crushers require minimum support structure and are also ideal as portables.
- Ability to control product grading, maximizing or minimizing fines production.
- Produces a product of superior cubical shape.
- More tolerant than conventional crushers to difficult feed conditions.
- Quick balance rotor which is easy to use and service.
- Simple, reliable grease lubrication.
- Range of models available to suit any capacity .

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