

IMPACT CRUSHING





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ELRUS IMPACT CRUSHERS

ELRUS Impact Crushing Plants are equipped with advanced Sandvik Horizontal Shaft Impact (HSI) crushers for primary and secondary crushing, as well as Vertical Shaft Impact (VSI) crushers for tertiary and quaternary applications. These crushers are designed with state-of-the-art technology, offering exceptionally high reduction ratios, outstanding product shape, impressive productivity, and low operational wear. With easy maintenance and a low cost per ton, they provide a reliable, efficient solution for a variety of crushing needs.

Sandvik's Prisec™ crusher range offers incredible versatility, making it ideal for both quarrying and recycling applications. It can operate seamlessly in either primary or secondary crushing modes, adapting effortlessly to changing production demands. The patented design ensures superior adaptability and performance, giving producers the flexibility to meet evolving requirements.

The Sandvik CV200 series VSI crushers provide an economical and reliable solution for autogenous crushing. These crushers are engineered to reduce maintenance requirements significantly while prioritizing improved safety and health considerations. With consistent performance and reduced downtime, they are a practical, cost-effective option for any crushing operation.



HORIZONTAL SHAFT IMPACTORS

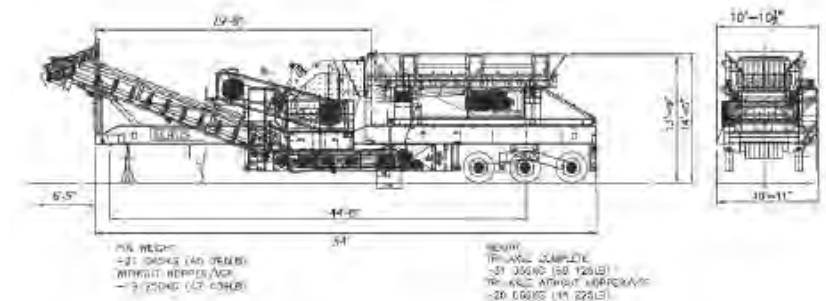


Our horizontal shaft impact (HSI) crushing plants are outfitted with Sandvik Prisec™ crushers. Sandvik's Prisec™ crusher range can be configured to operate in application areas such as quarrying and recycling, in either primary or secondary crushing mode. Sandvik's patented design offers incredible adaptability, ensuring you can keep pace with ever-changing production requirements.

Two uniquely designed extra heavy-duty curtains enable the Prisec™ crushers to deliver throughput and reduction ratios that typically require three curtains to achieve on most other crushers of this type. Overall costs are reduced thanks to fewer parts and less maintenance. The curtains are infinitely adjustable with Sandvik's patented hydraulic adjustment/braking system, which utilizes a standard hydraulic power pack.

Historically, crusher blockages have been a persistent issue, especially when operating in a primary configuration. However, the Prisec™ crusher eliminates blockages along with the associated downtime and health and safety risks

The second generation of compact horizontal impact crushers from Sandvik provides low capital cost solutions, optimum performance, and excellent cubical product shape, all while ensuring the lowest operating cost per ton for a wide range of materials and applications. The all-new patented and highly modularized Sandvik CI511/512 crusher combines the ability to configure a single base crusher into either a primary or a secondary configuration, making it adaptable to evolving production requirements..



FEATURES:

- **Great Reduction Ratios:** Revolutionary chamber design allows for greater reduction ratios with two curtains, unlike competitors requiring three-curtain crushers
- **Reduced Maintenance Costs:** Fewer parts and less maintenance required due to the advanced design
- **Hydraulic Curtain Adjustment:** Equipped with infinite hydraulic curtain adjustment and brake positioning system to relieve pressure and reset settings for uncrushable objects
- **No Power Required During Normal Operation:** Saves operating power and reduces overall power consumption
- **No Crusher Blockage:** Eliminates blockages, reducing downtime and health/safety risks
- **Compact and Modular Design:** The CI511/512 crushers are highly adaptable, offering configurations for both primary and secondary applications
- **Low Capital Cost Solutions:** Designed for economical operation and low cost per ton of production



VERTICAL SHAFT IMPACT CRUSHING PLANTS



Our vertical shaft impact (VSI) crushing plants feature Sandvik VSI crushers, renowned for their advanced, reliable, and low-vibration design. These machines are well-known for increasing productivity and minimizing downtime, making them an ideal choice for demanding crushing applications.

The Sandvik CV200 series VSI crushers are third- or fourth-stage crushers developed specifically for the aggregate, mining, and recycling industries. With six models available, they can handle tonnages ranging from 10 to 600 tph. This series is suited for a variety of applications, including manufactured sand, premium-shaped concrete and asphalt material, recycling, and the processing of mining and industrial minerals.

The CV200 series employs the autogenous "rock-on-rock" crushing technique, delivering several key benefits: consistent product gradation even as rotor wear parts wear, extremely low contamination rates due to the absence of wear parts in direct rock crushing, and reduced operational costs.

The Sandvik VSI also features a patented integrated feed tube replacement system, addressing a historical challenge. Traditionally, removing and replacing the rotor feed tube required mobile lifting gear or costly hydraulic systems. Sandvik's design now allows one individual to replace the feed tube via the crusher inspection door, dramatically reducing maintenance time and costs.



FEATURES:

- **Superior Particle Shape:** Produces better particle shape with extremely low flake and elongation values
- **Higher Product Yield:** Results in more salable material
- **Reduced Power Consumption:** Operates more efficiently, reducing energy costs
- **Lowest Cost Per Ton:** Delivers exceptional value for high-volume operations
- **Minimal Downtime:** Reliable design ensures extended operational periods without interruption
- **Optional Bi-Flow® Acceleration Slides:** The patented Bi-Flow acceleration slides effectively process sticky, flaky, and elongated feed materials. This optional component ensures the Bi-Flow system operates efficiently, delivering the lowest possible operational cost and the greatest possible throughput





PARTS AND SERVICE

ELRUS offers a full range of parts and consumables, supported by a team of experts ready to get your equipment back to peak performance. Our skilled service specialists provide 24/7 support, on-site repairs, and rebuilds, ensuring you stay up and running wherever you are.



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