

VIBRACORP

ENGINEERED VIBRATION TECHNOLOGY



COMPANY PROFILE

ABOUT US

Welcome to Vibracorp, a proud level 1 B-BBEE contributor dedicated to supplying top-tier, South African made mineral processing equipment. Since our inception, we have been proudly serving both the South African and international mining industries, earning a reputation as a trusted and reliable name in the field.

At Vibracorp we specialise in designing and manufacturing high-quality mineral processing solutions, each meticulously crafted to meet the diverse and evolving needs of our clients. Our commitment to excellence and innovation is not just a promise, but a legacy we uphold in every product and service we offer.

OUR VISION



To be renowned as a leading black empowerment enterprise, both nationally and globally, delivering cutting-edge engineered vibrating products, services, and accessories to the mining, industrial, and aggregate sectors. Our ambition extends to being a pivotal force in fostering job creation and skill enrichment.

OUR MISSION



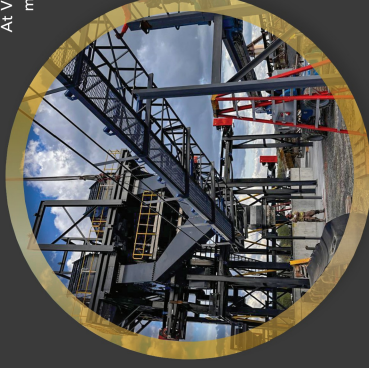
Our drive is to become the trusted partner in vibration technologies with unparalleled service, quality equipment manufacturing and on-time delivery.

OUR BUSINESS CORE



At Vibracorp we specialise in the design, manufacturing and supply of all vibrating machinery, like; vibrating screens, feeders and grizzlies. Our primary focus is on the mining industry, however, our reach extends far beyond that and we can assist clients in the pharmaceutical, agricultural, food, recycling and aggregate industries.

At Vibracorp, we understand the delicate balance required in mining operations between budget constraints, production goals, and environmental considerations. Our commitment is focused on maximising efficiency and profitability for your projects, while simultaneously minimising operational costs and downtime.



Our collaborative approach involves working closely with you to develop solutions tailored to your current needs while maintaining flexibility for future challenges. Through aligning our expertise with your goals, we strive to optimise every aspect of your operation, ensuring the best possible outcomes.

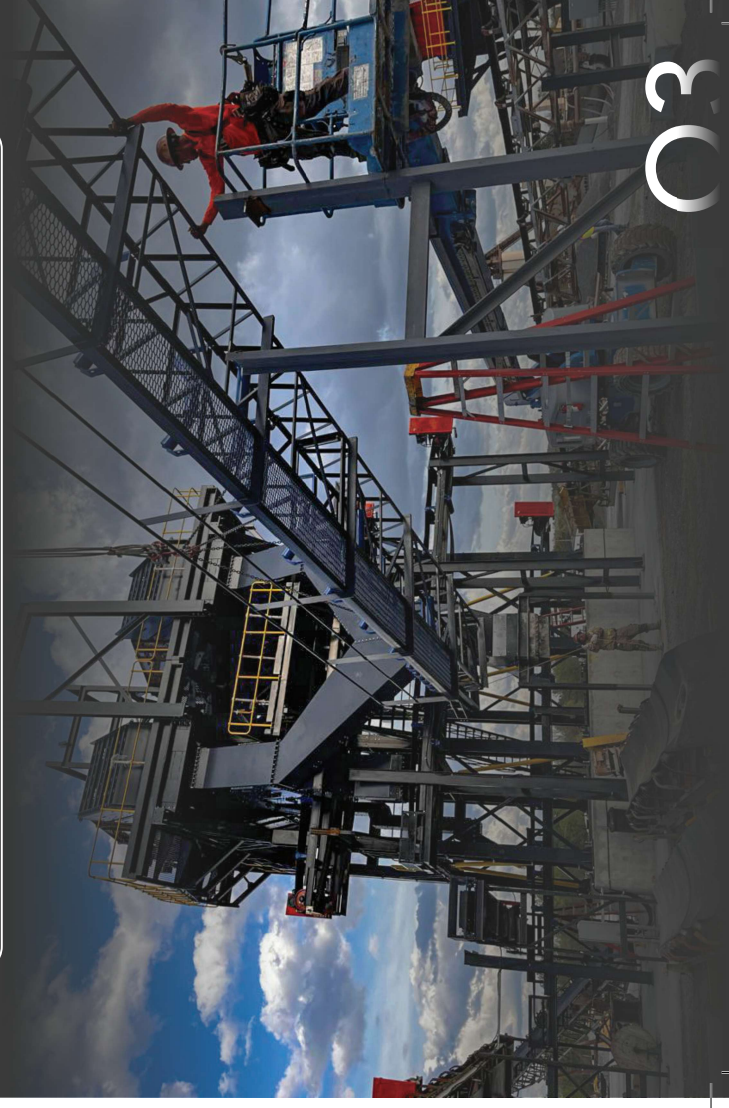
DESIGN & MANUFACTURING OF PROCESSING PLANTS

Vibracorp, multi-disciplinary engineering team has **extensive experience in mechanical, metallurgical, electrical and civil designs.**

TURN-KEY PROJECTS

Design, manufacture, deliver and commission process plants according to any site-specific requirements.

We oversee process from concept to completion.



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VIBRATING SCREENS

AVAILABLE IN VARIOUS SIZES

Linear vibrating screens are robust and multi-purpose screening machines, whose entire screening units is excited to a linear vibration. Depending on the application, a wide variety of screen linings, such as wire mesh, perforated plates, welded wire mesh, polyurethane screen mesh, etc. can be installed

SINGLE DECK SCREEN

DOUBLE DECK SCREEN

TRIPLE DECK SCREEN

Screen drive mechanism

- No external drive unit (pulleys, Vbelts and Electric motor), Results in reduced capital cost and maintenance.
- Screen designed to provide up to 5 G of acceleration to ensure material stratification and efficient screening.
- Drive to be fitted with 4x Mechanical Vibration Motors – side mounted flange motors. Orientation can be changed to produce circular or linear motion. This results in a lower overall capital cost due to the absence of a drive beam.

SINGLE DECK DEWATERING SCREEN

Screen drive mechanism

- Drive to be fitted with 2x Mechanical Vibration Motors – Motors are mounted on a conventional drive beam to provide a linear excitation.
- All motors come standard with a two-year warranty and depending on order size motors can be specially manufactured to suite a specific process.
- All motors come standard with the highest quality SKF bearings.
- No external drive unit (pulleys, Vbelts and Electric motor), Results in reduced capital cost and maintenance.
- Screen designed to provide up to 6 G of acceleration to ensure material stratification and efficient dewatering.



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VIBRATING SCREENS

MANUFACTURING & STEELWORK

- All plate work done with high-definition laser, cut to profile.
- Bolted body for cost effective part replacement.
- All beams heat treated and machined.
- For wet applications all deck beams and spray bars are rubber-lined for extra wear protection.

SCREENING MEDIA & EFFICIENCY

- Screening media fitted with Multotec Panels (IFT).
- All screens come standard with saddle top installations for easier screen media maintenance and longevity.
- Can provide up to 95% screening efficiency when sized and designed with the relevant process information.

SUSPENSION

- Swivel Suspension for easy alignment. Dewatering screens are installed at a slight incline to increase the retention time of material on the screen. This ensures that the feed material is efficiently dewatered.
- Suspension fitted with ESTA oscillating suspension.
- ESTA oscillating suspension provides improved vibration dampening over traditional coil springs and rubber buffers.
- The use of ESTA suspension will reduce the vibrational impact on the surrounding structures and screen, increasing the longevity of the surrounding structures and screen.
- ESTA suspension is completely maintenance free and has a long-life expectancy.



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VIBRATING FEEDERS

MANUFACTURING & STEELWORK

- Feeder parts come complete with the choice of anti-vibration Cleveloc bolts and nuts, or huck bolts.
- Entire feeder pan is lined with VRN(AR) 400 steel as standard. A number of other lining options available depending on the feed material.
- Body to be manufactured with S355JR (A572 GRADE 50) steel.

FEEDER DRIVE MECHANISM

- Drive to be fitted with 2 Mechanical Vibration Motors (Depending on size) – Motors are mounted on a conventional drive beam to provide a linear excitation.
- All motors come standard with a two-year warranty and depending on order size motors can be specially manufactured to suite a specific process.
- All motors come standard with the highest quality SKF bearings.
- No external drive unit (pulleys, V-belts and Electric motor). Results in reduced capital cost and maintenance.
- Feeder designed to provide up to 6 G of acceleration to ensure material stratification and efficient screening.



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VIBRATING GRIZZLY FEEDERS

SPECIFICATIONS & INFORMATION

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SCREENING MEDIA & EFFICIENCY

- Grizzly feeders are fitted with grizzly bars that are manufactured as a standard with 25 mm thick VRN (AR) 500 steel.
- Can provide up to 95% screening efficiency when sized and designed with the relevant process information.
- Grizzly bars are designed and manufactured in a triangular shape to increase the screening efficiency of the feeder.

2

SCREEN DRIVE MECHANISM

- Drive to be fitted with either 2 or 4 Mechanical Vibration Motors (Depending on size). Motors are mounted on a conventional drive beam to provide a linear excitation.
- All motors come standard with a two year warranty and depending on order size motors can be specially manufactured to suite a specific process.

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SUSPENSION

- Swivel suspension for easy alignment. This also allow the screen angle to be adjusted as desired.
- ESTA oscillating suspension provides improved vibration dampening over traditional coil springs and rubber buffer.



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