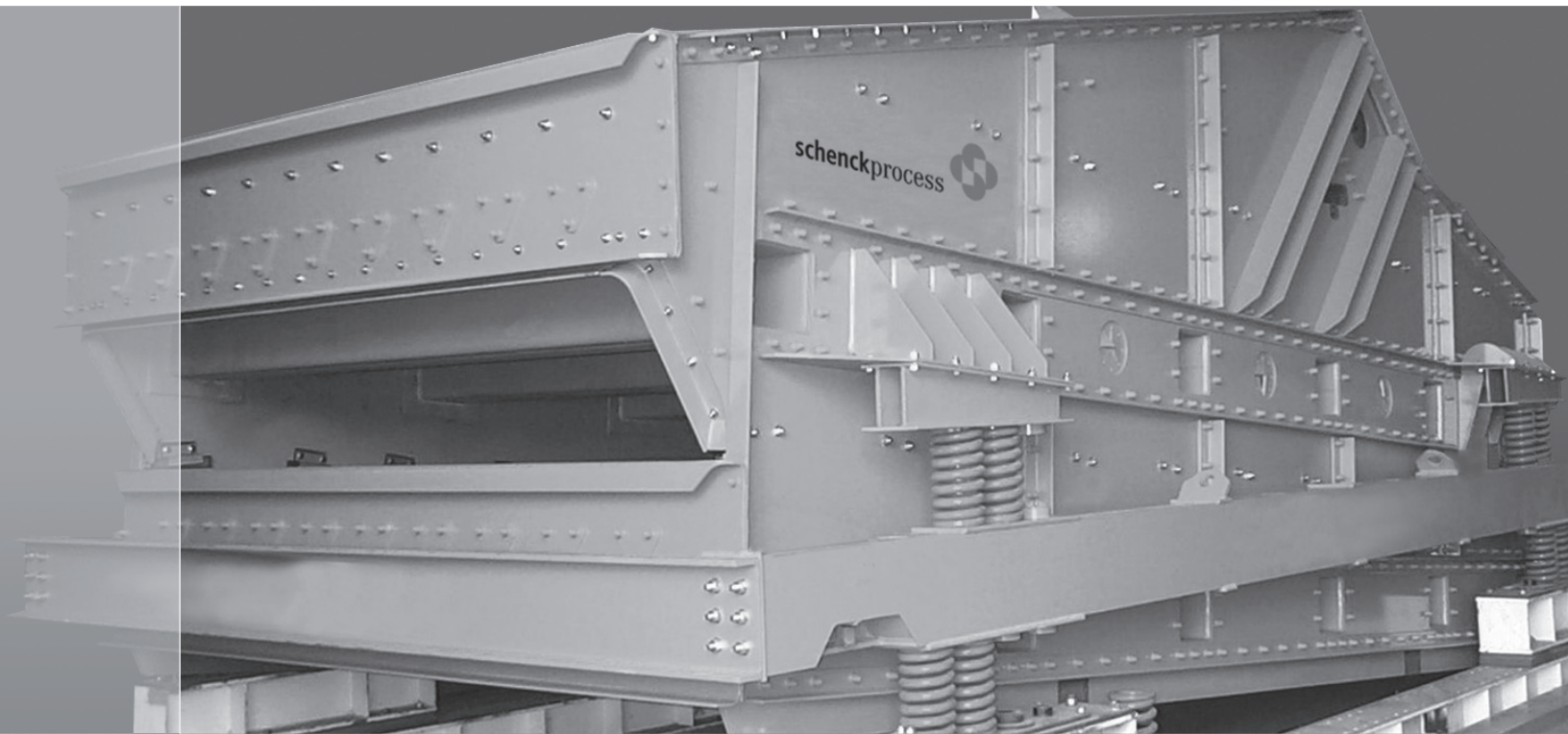


Mineral Processing Equipment

Reliable and Accurate Mining Solutions



Schenck Process Mining, North America

we make processes work



Schenck Process Mining

Unsurpassed mineral processing technology.

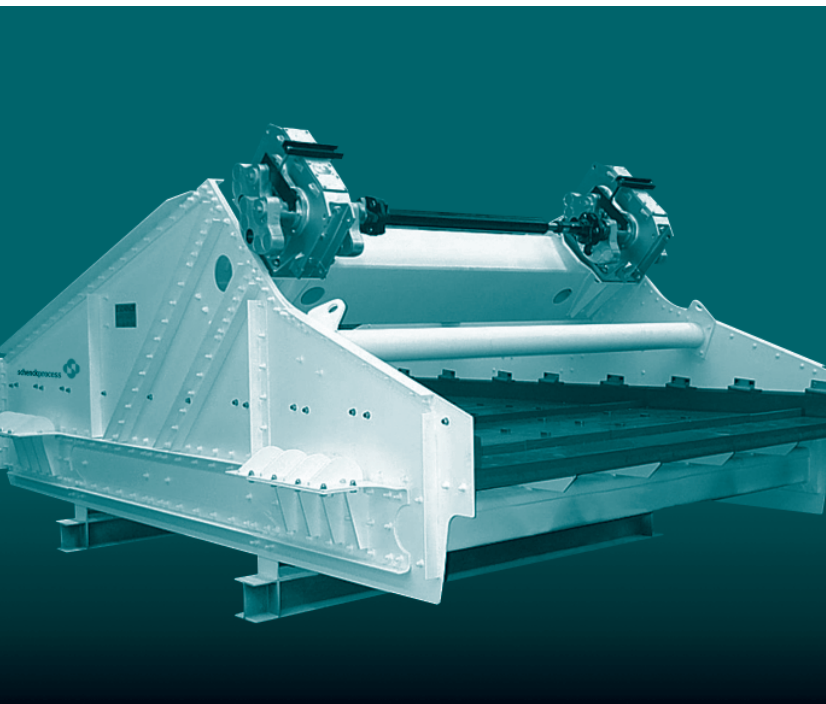
Schenck Process Mining North America, headquartered in Chagrin Falls, Ohio and servicing North America, manufactures world class products for mineral processing. As a company, Schenck Process is established in more than 75 countries and Schenck products have been relied upon in processing applications for over 125 years.

Schenck Process specializes in the design and construction of large, Widebody™ mining screens. Over 2,600 of these units are in operation around the world. Mineral processing plants continue to switch to wide-screen technology offered by Schenck Process to further improve their efficiency, productivity, and reliability.

All of our North American products are manufactured in our Chagrin Falls, Ohio factory. Each is tested prior to shipment to satisfy dozens of strict quality control requirements. Schenck Process also offers an advanced line of centrifuges, which deliver high performance and easy maintenance. Our recently introduced train loading systems provide another field-proven solution that is in operation around the world.

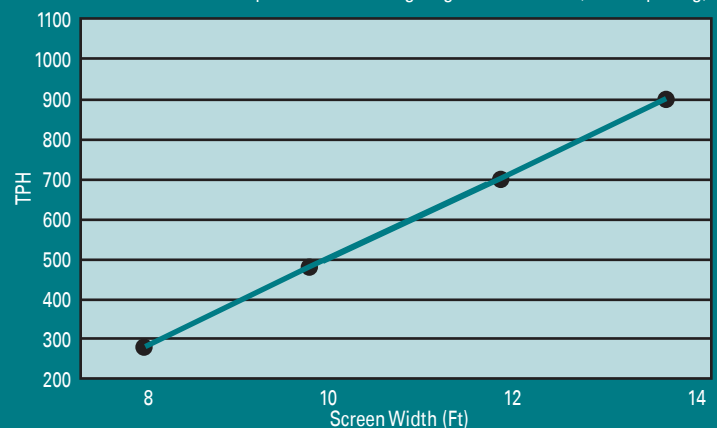
High Production Screens

Greater efficiency, lower operating costs, less downtime.



INCREASE PRODUCTION WITH FEWER WIDEBODY™ SCREENS.

Schenck de-slime screen capacities for 20' long single deck banana (1 mm opening).



The Right Screen for the Application

Schenck Process produces a full line of screens including banana (multi-sloped), horizontal (flat deck), inclined, de-watering and special purpose models. Each is built to exacting tolerances and the highest quality standards. Heavy duty single and double deck banana screens are built for the toughest environments. 96% to 98% vibration isolation is standard. Over 99% can be achieved with an optional isolation frame. Linear motion horizontal screens are often used for sizing, de-watering and de-sliming. They are available in single and double deck models.

Fewer, Larger Screens

Compare our 10' x 20' screen with any other on the market. It actually delivers 230 square feet of area, which can be up to 15% more than competitive models. Add the higher G-forces generated by advanced Schenck Process vibration technology and see how you can increase production with larger, rather than more screens.

Screen Model	Width (mm/ft)	Length (mm/ft)
Multi Slope – BANANA SCREENS		
SLO1861W	1830 / 6	6100 / 20
SLO2461W*	2440 / 8	6100 / 20
SLO3061W*	3050 / 10	6100 / 20
SLO3661W*	3660 / 12	6100 / 20
SLD3061W	3050 / 10	6100 / 20
SLO4373W	4270 / 14	7320 / 24
HORIZONTAL SCREENS		
SLG2448W*	2440 / 8	4880 / 16
SLG3048W	3050 / 10	4880 / 16
SLG3648W	3660 / 12	4880 / 16
SLG3655W	3660 / 12	5490 / 18
SLK3661W**	3660 / 12	6100 / 20

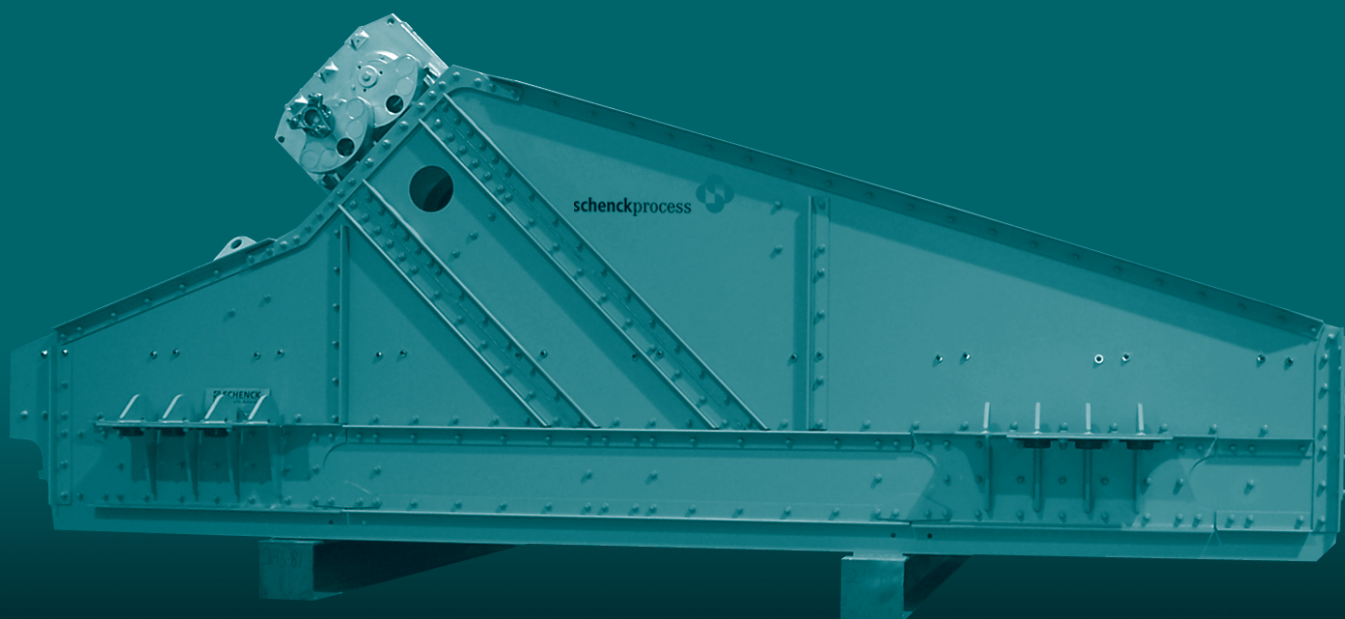
* Available in double deck model.

** Double deck model.

Dimensions are aperture openings and not overall dimensions. Above screen sizes are common models. Other sizes available to suit your installation and application requirements. Contact Schenck Process for details.

Screens

Providing lower cost of operation per ton.



Combining a half century of experience, science and applied technology, Schenck Process designs and builds superior screens for mining operations that deliver lower maintenance costs, lower operating costs, longer service life and better screening performance. When it comes to the advanced vibration technology and methods employed in the design and construction of the world's finest, most reliable Widebody™ screens, Schenck Process doesn't cut corners. This is why Schenck Process screens deliver the lowest total cost of operation per ton processed of any screen manufacturer.

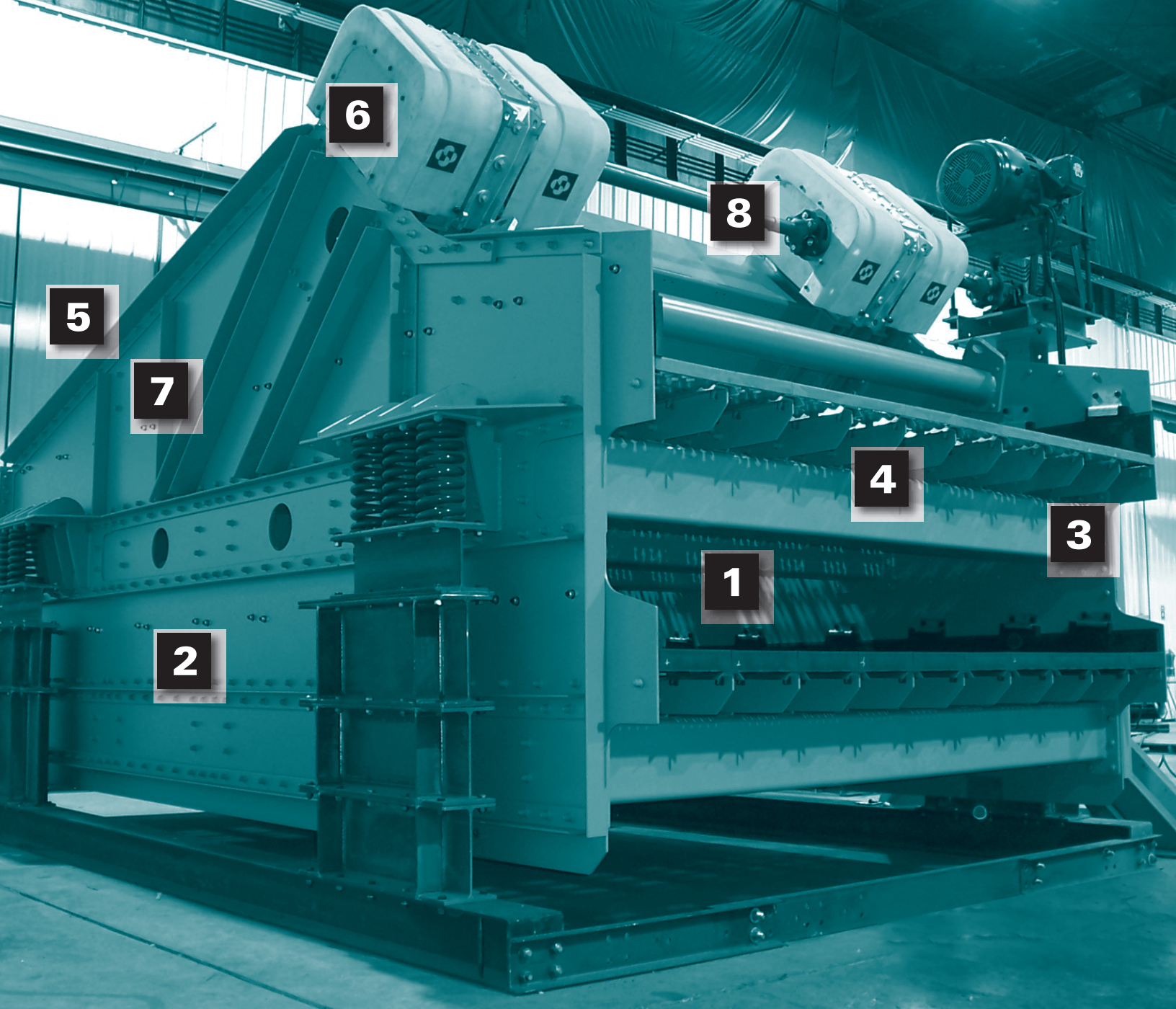
- A 12'x20' Schenck screen will out-produce two 8'x16' wide screens! Less space is required. Bearings, motors and wear parts are reduced by 50%.

1. Increase production with larger screens, rather than with additional screens

Using larger, wider screens allows mining operations to employ fewer screens, significantly reducing up front plant construction costs and long term operating costs such as electricity, individual screen maintenance up-keep, and wear material costs. We specialize in 10', 12', 14' and 16' Widebody™ screens – some of the largest in the world!

2. Huck bolted, no welds

1,138 Huck bolts are used on the side plates of our standard 10' x 20' double deck multi-slope screens and not one inch of weld. No welding means heat induced stresses are eliminated. This important feature contributes to longer body life.



3. Fighting Corrosion

Sealed rubber coated cross members significantly improve the life of these critical components, minimizing crevices where wet fines can collect and cause corrosion. Screen side plates are extended to eliminate drip angles. By removing seams and ledges which trap moisture, Schenck screens deliver longer service life.

4. Thicker Deck Rails

Schenck Process screens have thicker, more robust deck rails than all other competitive screens. This means longer service life, less maintenance and a more secure, rigid mounting platform for decking material.

5. Integrated Feed Box

Schenck screens include an integrated feed box eliminating the need for a bolt on unit. The feed box is an extremely high wear area. By integrating it into the design, initial cost and maintenance of a separate unit is no longer required.

6. Quiet, smooth running exciters

Custom designed, exceptionally quiet and smooth running exciter mechanisms with higher G-forces are the result of advanced Schenck vibration technology. Benefit from consistent vibration with lower operating noise.

7. Performance tested, longevity assured

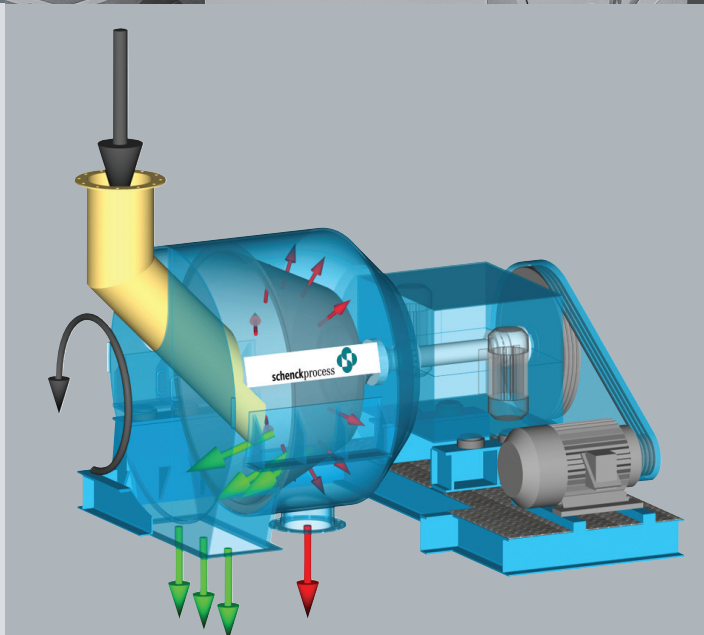
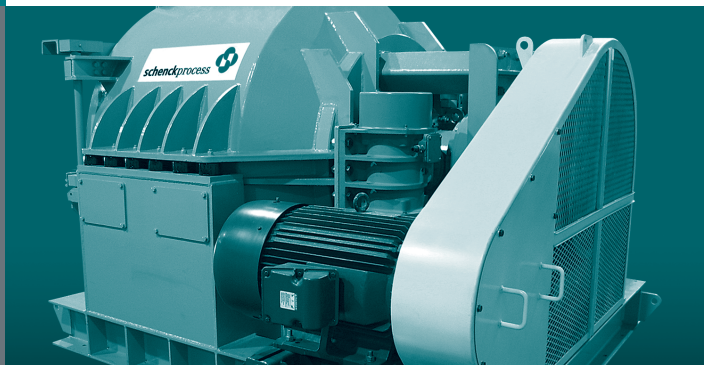
Each screen is individually tested and tuned based on Schenck's proprietary vibration analysis technology and testing procedures. When you purchase a Schenck screen, we confirm that it's built correctly and performs to specifications, so you're assured performance, reliability and long service life.

8. Tuned for optimum productivity

Schenck drive systems are designed to allow us to tune the run speed of your machine for optimum performance.

Centrifuges

Advanced design delivers higher performance with easier maintenance.



SCC Coarse Coal Centrifuges

SCC centrifuges are powered by proven Schenck Process vibrator motor technology. The shaft assembly is accurately tuned to absorb the excitation applied to the chamber. Very low vibration levels are transmitted to the plant structure and low power is required. Machines equipped with the optional Vibromac control system provide increased frequency, which clears the basket preventing plant problems. High Alumina ceramic tiling protects high abrasion areas in the chamber, as well as the feed chute. Easy to operate and maintain, the SCC's modular design reduces downtime ensuring quick, easy replacement of shaft/bearing set assemblies and exciter motors.

SFC Fine Coal Centrifuges

Robust, reliable and economical, SFC centrifuges employ a horizontal design for increased throughput and performance. A unique toothed timing belt provides a robust drive system at a fraction of the cost of traditional gearbox arrangements. Belt drive provides quiet operation, long life with low maintenance costs, lower critical failure occurrence and easy rectification – no lump sum cost for gearbox replacement. High alumina ceramic tiling on the centrifugal drum and feed chute provides long-life abrasion protection on high wear areas. Polyurethane protects other surfaces. High quality baskets are easy to install and remove.

Both SCC and SFC centrifuges produce clean, dry coal with 3% surface moisture on 50 x 1mm material.

Vibromac 100 Vibration Monitoring and Control

Proven around the world, this system monitors and controls the machine's operating characteristics providing consistent, optimum performance. Vibromac monitoring will raise alarms in the event of overloading, high oil temperature, or to warn an operator of any bearing degradation.

Train Loading Systems & Belt Scales

Accurate and reliable for the life of your mining operation.



Built to withstand harshest the environments:

- Provides accurate and repeatable car loading.
- Reduces freight charges by optimizing car loads.
- Eliminates overloading and associated penalties and liabilities.
- Achieves fast loading rates, maximizing rolling stock utilizations.
- Provides irrefutable Legal For Trade loading records.
- Designed for 5,000 tph material loading with repeatable precision of ± 200 lbs. (1 sigma) per 100 ton railcar.

Schenck Process train loading systems are designed to operate reliably in the harshest mining environments. Constructed to withstand high temperatures, dust and water, they will operate for extended periods with only routine maintenance. High quality corrosion resistant paints, environmentally sealed electrical equipment and high quality hydraulic components ensure dependable operation throughout the life of the mining operation.

By incorporating proven Schenck manufactured weighing components and our vast applications experience, our superior batch weigh train loading systems provide accurate, high speed loading of railcars. It eliminates overloading, while maximizing product loaded into each car. The system can be Weights & Measures approved and certified Legal For Trade.

Schenck Process Belt Scales with Intecont Plus

Schenck Process belt scales with Intecont Plus control provide the capability to monitor output in the crushing and screening section of your mining operations using a supplied Ethernet card and any Internet connection.

This web-based monitoring can be done throughout the globe. Schenck Process can easily custom program your Ethernet cards to match your existing system. Measure throughput, totalize material, and view the results as they are happening using web pages.

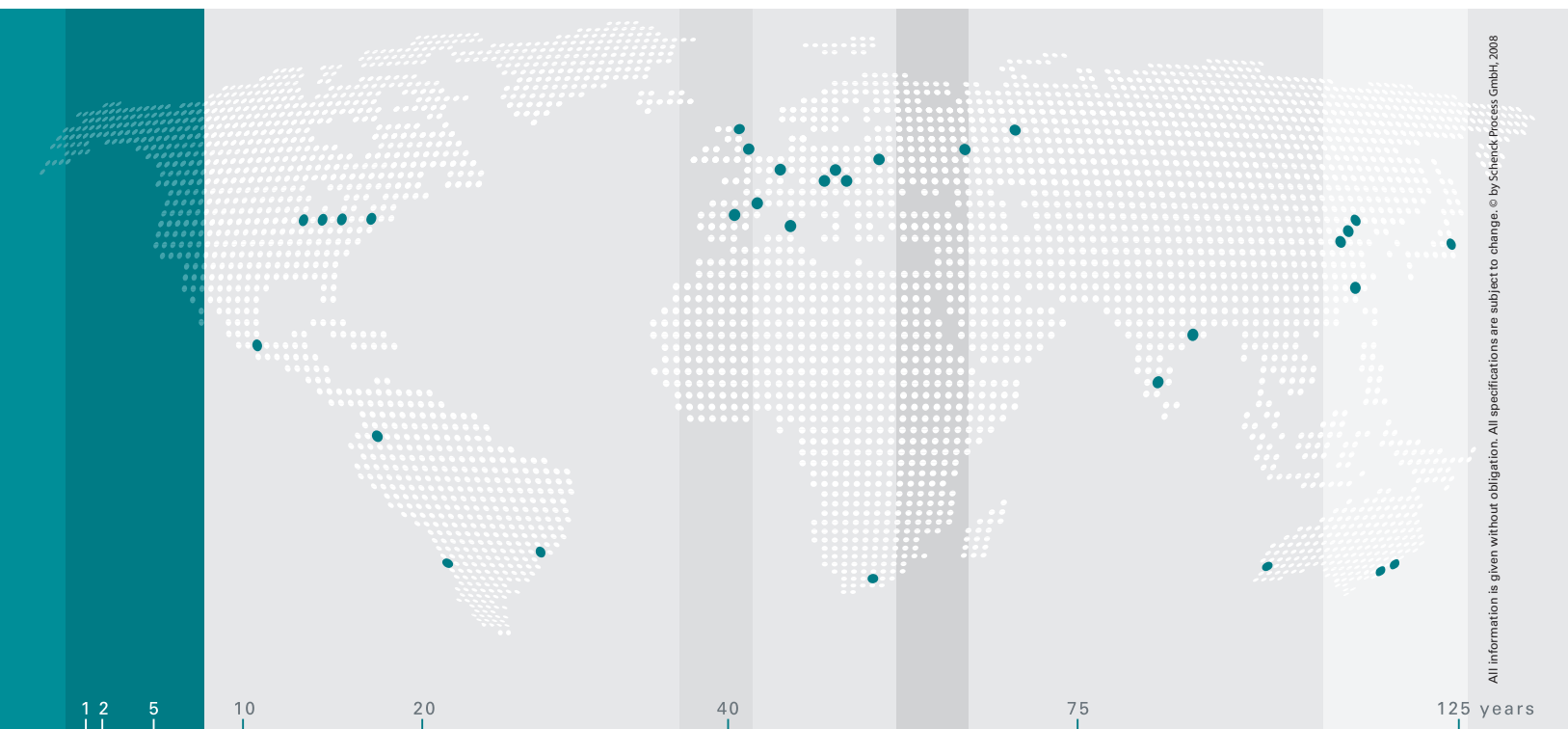
Our simple and durable belt scales, with Intecont Plus control, give you accurate, reliable reporting of your material output. Continuous flow rates up to 15,000 tph. For conveyors with 18" to 60" wide CEMA idlers. Easy to install.

weighing

feeding

measuring

automation



Schenck Process specializes in the design and construction equipment such as screens and centrifuges for use in the mining industry. Manufacturing operations are located in Australia, Brazil, China, Germany, India, South Africa, and the U.S.

Schenck Process develops, manufactures and markets a full range of solutions, products and systems on the basis of combining process engineering expertise, reliable components and field-proven technology.

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we make processes work