

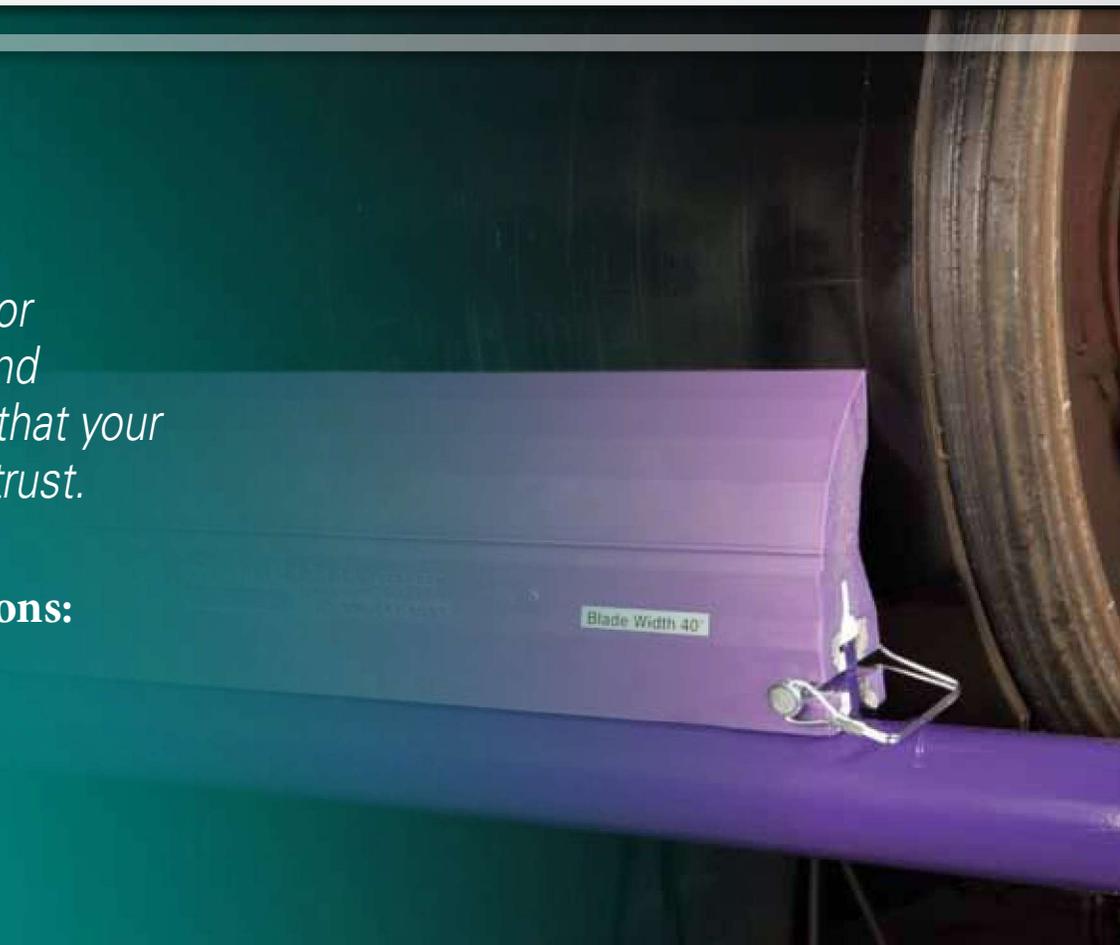


Partners In Productivity 

*Discover the superior
cleaning systems and
responsive service that your
customers already trust.*

Customized solutions:

- Collaborative service
- Extensive experience
- Productivity focus



FLEXCO

Did You Know?

We've been in business since 1907 providing solutions to mining customers.

We're in 180 countries throughout the globe.

We have over 75 Flexco field sales engineers.

Our field sales engineers have long-standing relationships with many of the world's largest mining customers.

We've just expanded our state-of-the-art production facility in Grand Rapids, MI, by 60,000 square feet.

Adding Value to Your Business

Since 1907, we've been developing belt conveyor solutions that improve your customers' productivity—and now, our extensive experience can benefit your business as well. Through our Partners Plus program, we can help you maximize the value of your conveyor systems with better-designed belt cleaners and system components, as well as expert engineering support. We'll work with you to develop a customized belt cleaning system that meets your—and your customers'—needs. Plus, you'll receive comprehensive service from our design engineers, field sales engineers, product and customer service specialists, and worldwide distributor network.

Flexco is a global company serving a wide array of industries, so chances are, your customers already know and trust our products. By integrating them into your solution, you can deliver extra quality and flexibility.



Why Partner With Flexco?



Responsive Field-Based Engineering



State-of-the-art Products



Strategically Located Inventory



Dependable Service

We'll work side by side with you to determine the best solution.

We partner with your entire team—from engineering to logistics, from manufacturing to sales—to understand your needs and develop a custom solution or adapt an existing product. We can even deliver partially assembled products and custom packaging for extra convenience. In addition, we test our products extensively to ensure that they'll exceed your expectations.

We're cost-effective.

We don't cut corners, but we do know how to work efficiently. That's why we go out of our way to keep product costs down by eliminating waste and supporting lean manufacturing objectives. Plus, we engineer our products for reliability and long-lasting performance, so they often need less maintenance and cost less for your customers to own.

We adhere to production schedules.

We're serious about meeting our deadlines and ensuring that you have the right products when you need them. In addition, we offer just-in-time delivery so there's minimal inventory storage and handling on your part.

We're serious about safety.

At Flexco, all of our products are designed with safety in mind—to protect your team, as well as your customers' workers. Plus, we offer an incredible depth of products and can tailor our solutions to eliminate almost any kind of fugitive material. The result is a comprehensive cleaning system that works together to deliver safe, superior performance.

We have extensive market knowledge.

Our hands-on industry experience gives us deep insights into your customers' productivity demands, maintenance challenges, safety requirements and more. We serve operations all over the world in the coal, aggregate, bulk material, and mining industries.

You'll be ensuring your customers have access to an array of compatible belt conveyor products.

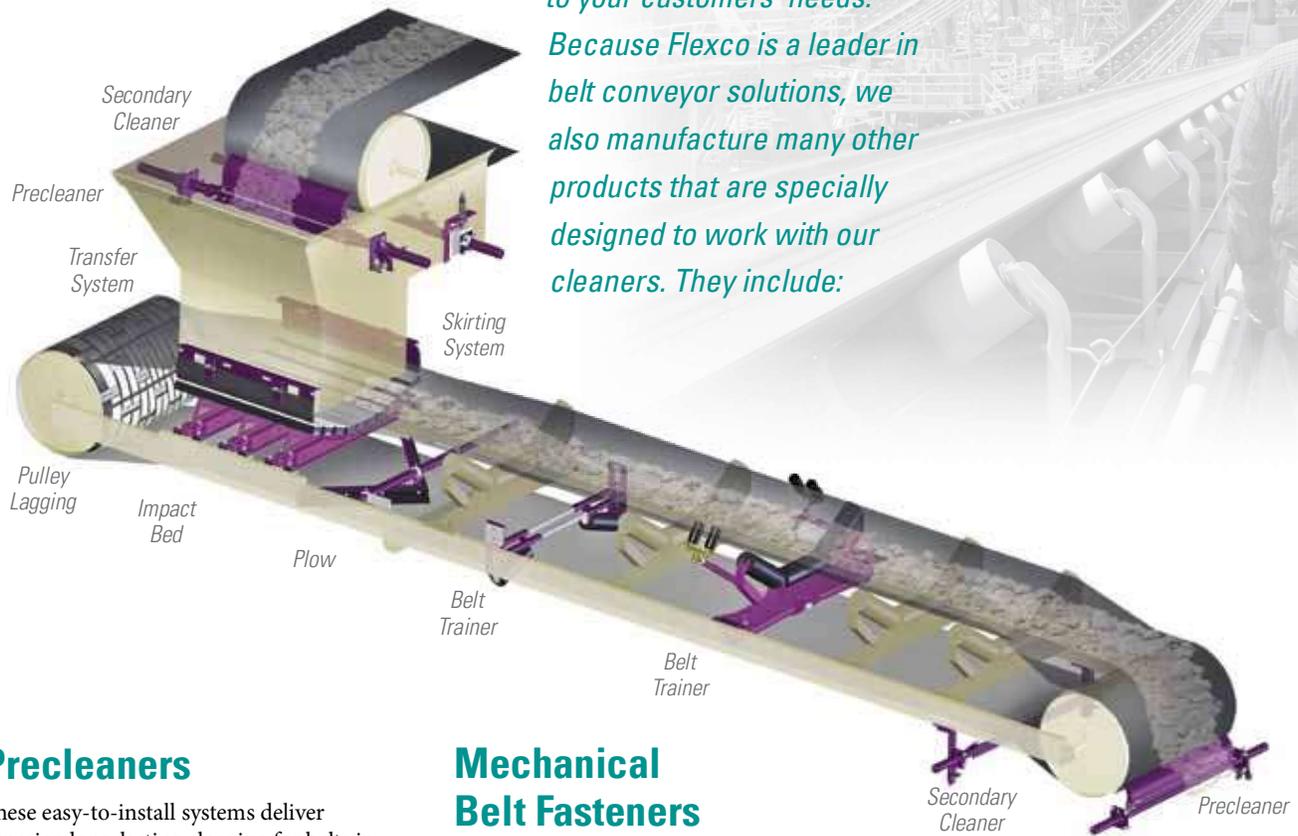
At Flexco, all of our products are designed to work together—from our cleaners to our mechanical belt fasteners. So after your system is up and running, your customers will be able to choose from a wide array of belt conveyor products that will continue to enhance their productivity.

Products for Every Issue Along the Line

We offer an array of system components that can be totally customized

to your customers' needs.

Because Flexco is a leader in belt conveyor solutions, we also manufacture many other products that are specially designed to work with our cleaners. They include:



Precleaners

These easy-to-install systems deliver superior, long-lasting cleaning for belts in industries like aggregate, sand and gravel, coal, road construction, and many others.

Secondary Cleaners

These cleaners are the final step within a cleaning system, raising cleaning efficiencies to over 90%. Designed for a series of applications including high-temperature, reversing belts, and limited space.

Our patented features, including the PowerFlex™ cushion, lead the industry in belt cleaning efficiency and compatibility with mechanical splices, helping to prolong the life of the belt and the belt fasteners.

Mechanical Belt Fasteners

Our products easy to install, more cost-effective than vulcanizing, and 100% "cleaner friendly." In particular, our BR6 Rivet Plate Fasteners deliver a long-lasting splice and smooth cleaner interface.

Belt Plows

We offer systems that can be installed quickly and used at numerous points along the belt line.

Impact Beds

Designed to provide maximum protection to your belt and ensure material containment, our exclusive DRX (Dual Relief Xtra™) Impact Beds™ feature Velocity Reduction Technology, designed to absorb energy.

Skirt Clamps

Our solutions create an effective seal at the loading zone to stop spillage, control dust and prevent conveyor damage.

Pulley Lagging

We have a range of lagging solutions for correcting belt slippage, increasing friction coefficients, and prolonging belt life.

Belt Trainers

We offer a variety of solutions to address belt mistracking, resulting in lower maintenance costs, improved safety, and superior system performance.



EZP1 Precleaner



EZS2 Secondary



BR6 Fasteners



V-Plow



DRX Impact Bed



RMC1 Skirt
Clamp System



Pulley Lagging

BELT CONVEYOR SOLUTIONS YOU CAN COUNT ON

IMPACT SOLUTIONS



THE PROBLEM: The impact of raw material in loading zones punctures and damages belts. Material then falls through punctured belts, which leads to loss of product and other damage to equipment along the beltline and forces manufacturers to change belts prematurely.



THE SOLUTION



DRX™ IMPACT BEDS

Install the **DRX™ Impact Bed** in extreme-impact areas under the primary crushers and limestone stockpiles, where belts see the highest tonnage. A DRX Impact Bed will support belts that carry materials measuring up to 300 mm.



FLEXCO IMPACT BEDS

For areas where materials have been crushed to 25 mm or less, specifically during the processes following the secondary crusher, there is the **Flexco Impact Bed**. Its function is to support the belt and seal the load zone in order to eliminate dust.



FLEXCO SLIDER BEDS WITH IMPACT IDLERS

Flexco Slider Beds with Impact Idlers and Adjustable Idler Sets with Impact Rolls should be placed throughout the process in areas where low impact affects productivity such as in raw materials storage and proportioning and after pyroprocessing. Flexco Slider Beds will support belts carrying materials that measure under 75 mm (3").

PULLEY LAGGING



THE PROBLEM: Pulleys with worn or no lagging result in slippage that causes misalignment and leads to excess wear on pulleys and system components. Additionally, traditional slide lag can cause belt and cleaner chatter producing fugitive dust that settles and hardens causing additional damage to components and structure.



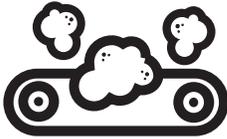
THE SOLUTION



FLEX-LAG® WELD-ON™

For use throughout the plant, the patented **Flex-Lag® Weld-On™** can be quickly and easily installed with the pulley in place, or better yet, prior to pulley installation. The gear-tooth design protects belts from premature wear and chatter from belt cleaner interaction.

SKIRTING SYSTEMS



THE PROBLEM: Cement dust is so fine that it can pass through a sieve that can hold water. This fugitive dust builds up and hardens in areas around finish mills and clinker storage, wreaking havoc on conveyor systems. Additionally, product spillage throughout the process results in costly product loss and requires hundreds of man-hours for clean-up.



THE SOLUTION



FLEX-SEAL™ SKIRTING

Put **Flex-Seal™ Skirting** in areas throughout the process where the load zone needs to be fully sealed. It is especially effective in the transfers between the primary crusher and the stockpile, as well as in the secondary crusher, where confined spaces make cleanup challenging, if not impossible. Flex-Seal is also ideal on belts carrying clinker to storage or finish mills where dust needs to be contained.

URETHANE SKIRTING

Urethane Skirting should be installed around high-abrasion applications in areas such as clinker storage and near the finish mills, where rough clinker causes extra wear. Flexco long-wearing urethane skirting lasts three-to-four times longer than traditional rubber skirting.

ENCLOSED SKIRT SYSTEM

Where full containment is required, including the finish mill, use the Flexco custom **Enclosed Skirt System**. It is highly effective in areas where fugitive clinker dust creates issues as it settles on equipment.

BELT TRACKERS



THE PROBLEM: The daily abuse that conveyor systems take hampers tracking and alignment. Challenges with old structures, worn idlers, buildup, and belts with frayed edges all add up, and simple adjustments of the tail pulley can't be relied on for proper tracking.



THE SOLUTION



PTEZ™ BELT TRAINERS

Ideal for use in areas where there is buildup on structures and components or where belts have worn or damaged edges. The **PTEZ™** is designed with few exposed components so buildup is minimized and uses a patented "pivot and tilt" feature to immediately compensate for belt misalignment without the use of sensor or edge rollers.

PT™ MAX AND PT™ SMART BELT TRAINERS

PT™ Max Belt Trainer and **PT™ Smart Belt Trainer** can be employed between quarries and stockpiles where belts are wider, loads are heavier, and materials may travel a considerable distance.

BELT CLEANERS



THE PROBLEM: Carryback and buildup of debris on belts causes wear and tear, poor tracking, and seized idlers. Fortunately, Flexco offers belt cleaning solutions to combat the dry, wet, dusty, sticky, and hot materials present throughout the cement manufacturing process.



THE SOLUTION



MMP PRECLEANER AND MHS SECONDARY CLEANER

In the quarry, and at the primary crusher and stockpiles, where wider belts travel at faster speeds, install the **MMP Precleaner & MHS Secondary Cleaner**. The robust designs of these cleaners can withstand the toughest abuse caused by larger materials found earlier in the process.



U-TYPE® SECONDARY CLEANER

The **U-Type® Secondary Cleaner** should be installed in areas where materials are wet and sticky, including where stockpiles are exposed to the elements as well as at cement operations with clay slip processing.



EZP1 PRECLEANER AND Y-TYPE™ SECONDARY CLEANER

The **EZP1 Precleaner** and **Y-Type™ Secondary Cleaner** should be installed throughout the process, especially in areas such as the materials storage and proportioning and finish mills, where dust is widespread. These cleaners facilitate the capture of usable material in order to maximize profits and avoid potential MSHA citations for hazardous piles.



HIGH TEMP HV PRECLEANER

Ideal for use on belts that carry clinker, the **High Temp HV Precleaner** for vulcanized belts holds up to abrasive clinker and high heat.



V-PLOW

In many areas around the plant, such as the limestone and other materials crushers, as well as raw material storage and portioning, the material moving through the tail pulley damages both the pulley and the belt. To avoid these problems, the low maintenance Flexco **V-Plow** discharges materials, protecting the tail pulley and the belt.



ADDITIONAL BLADE OPTIONS

Purple Blade: For general use on belts carrying raw materials like shale, sand, clay, gypsum and finished cement.

High-Temp Yellow/Red Blade: Ideal for use on belts carrying clinker where temperatures are elevated.

MECHANICAL BELT FASTENERS



THE PROBLEM: Downtime can cost a cement plant as much as \$25,000 an hour, so operators need to replace belts and get damaged belts up and running as quickly as possible. Many cement plants also have vulcanized belts, where splices often require timely outside maintenance.



THE SOLUTION



FLEXCO® BOLT SOLID PLATE SYSTEM

From the secondary crusher to the finish mill, the **Flexco® Bolt Solid Plate System** is a strong sift-free conveyor splicing system that meets the demands of the cement industry's most highly abrasive and corrosive applications.



ALLIGATOR® STAPLE SYSTEM

Ideal for use on thinner belts in pack houses, the **Alligator® Staple** splice features beveled edges to reduce the likelihood of ripping open bags prior to shipping.

MECHANICAL FASTENING SYSTEMS

Whether they are used as a quick repair or as a permanent connection, mechanical splices allow for easy maintenance and are a viable option for most cement applications. Selecting the right splice and proper installation for each application is important. For in-depth help with selection and maintenance, Flexco has developed multiple options for training your crew.



BELT MAINTENANCE



THE PROBLEM: Maintaining belt conveyor systems is the key to efficiency, but many operators don't have an excess amount of time to spend on maintenance. They need easy-to-use belt maintenance tools that reduce repair time while ensuring worker safety.



THE SOLUTION



FLEX-LIFTER™ BELT LIFTER

Quickly and safely lift belts out of the way in order to perform belt maintenance. This portable tool lets you efficiently set up a splicing station or replace worn idlers.



FAR-PUL™ HD® BELT CLAMPS

Patented heavy-duty clamps are specially designed to properly secure a belt for safe conveyor maintenance and splice installation or repair.



FLEXCO BELT CUTTERS

Squared and cleanly cut belts are essential to long-lasting splices and belts that track on center. Flexco belt cutters are available in multiple sizes to accommodate various belt sizes



FSK™ BELT SKIVER

Create lower profile splices that are less susceptible to wear and tear. The **FSK™ Belt Skiver** has a simple, manual operation that precisely removes top covers in a single pass.



INSPECTION DOORS

These easy-to-install doors allow for inspections of enclosed structures while providing a dust-tight seal. They feature an adjustable latch and are rated to hold up in extreme temperatures.



FLEXCO

**Global Support
Wherever You
Need It, Whenever
You Need It.**

FLEXCO DIRECT SUPPORT

Flexco has 13 locations strategically positioned around the world. Our team of sales, engineering, and service personnel is dedicated to supporting your cement operation.

PARTNERS PLUS CERTIFIED DISTRIBUTORS

Flexco distributors are present in over 150 countries. Many of these distributors have Partners Plus certification, having undergone specialized Flexco training in order to diagnose problems, recommend solutions, and share advanced knowledge to better maintain your belt conveyor over the long haul.

Flexco created the **Partners Plus Program** so distributors can provide expert-level knowledge about Flexco products, consultative support that can improve your productivity, and rapid response to service requests. Partners Plus distributors can perform line audits, offer belt conveyor troubleshooting and provide advanced notice about Flexco product introductions specific to the cement industry. It's much like having a Flexco field representative on site.

Many are also qualified to provide Flexco University training. With locations and local inventory around the globe, Flexco Partners Plus certified distributors ensure that cement manufacturers get whatever products and support you need, when you need it.

YOUR PARTNER IN CEMENT

FLEXCO

CONVEYING EDUCATION



FLEXCO UNIVERSITY

To help our clients achieve optimal belt conveyor productivity, we go beyond simply supplying the right products. We provide extensive support and training on how to use them. Through **Flexco University**, your team will have access to online, on site, and in class learning opportunities that will help them become on-site experts for your belt conveyors. These learning opportunities can be combined and customized to meet the needs of individual cement operations.

FLEXCO UNIVERSITY ONLINE

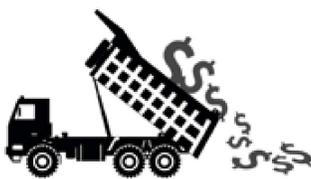
Flexco University Online provides professional training on mechanical belt fastening, belt conveyor products, belt maintenance, and transfer point solutions. **Courses are available at www.flexcouniversity.com** and can be accessed at any time it is convenient, day or night. Three levels of courses are available through this program, with each course lasting between 30 and 60 minutes.

- **100 Level Courses** introduce the basics of our products while addressing common issues that affect system productivity.
- **200 Level Courses** provide an in-depth review of Flexco products, the applications, safety features, basic installation and operation instructions.
- **300 Level Courses** cover subjects such as specialty splicing and troubleshooting.

Individuals can take courses at their own pace and can choose to take all the most relevant ones. Course completion certificates are available to help meet site specific training requirements. Additionally, cement operations can choose to manage their own online Flexco University training groups by assigning different courses, monitoring participant progress, and more.



TRENDS IN THE CEMENT INDUSTRY



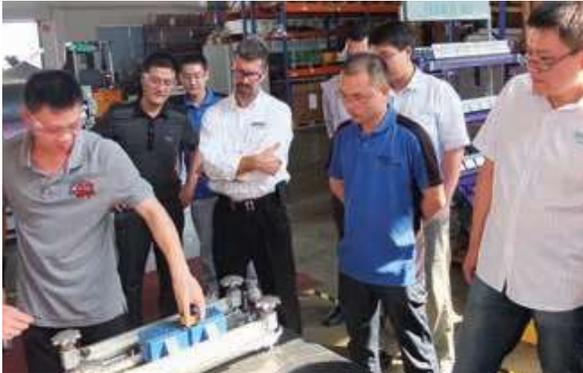
A LOCAL PRESENCE

Because transporting cement over long distances is costly, **cement plants have been built in strategic locations around the globe** in order to get product to customers at the lowest possible cost.



SHIFTING PRODUCTION PRACTICES IN CHINA

China's cement industry is shifting from a higher number of small cement plants to a fewer number of large cement plants. **As of 2014, the top 10 cement producers in the country held a 52% market share.**



FLEXCO UNIVERSITY ON-SITE AND IN CLASS TRAINING PROGRAMS

Combine online learning with on-site and in class programs to achieve the optimum training solution for your employees. Blending different methods of training, resources, and settings allows your employees to be successful in the manner where they learn best. And that's smart for your operation.



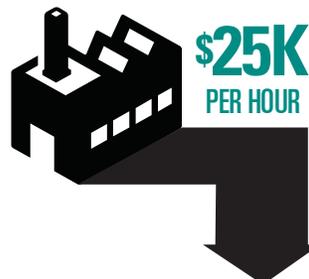
Flexco representatives and Partners Plus distributors are available to come to your location for on-site training and education. Training programs can be customized based on schedules and employee knowledge, from multi-day training for new teams to hour-long lunch and learns when training is essential but spare time is limited.

For a focused learning experience, Flexco offers in class education at training facilities around the globe. Flexco provides comprehensive multi-day sessions that include technical training, application insights, and problem solving techniques lead by experienced Flexco personnel. With a unique format that combines classroom-style lectures with hands-on installation and troubleshooting, your team benefits from networking with other learners and sharing experiences. And dedicated time out of the work environment means your employees can focus on learning without distractions in order to bring best practices for maximizing belt conveyors back to your cement operation.



ROOM FOR GROWTH

Global capacity utilization rates are currently around 70%.



UPTIME

Uptime is critical during every step of the cement manufacturing process, as **downtime** can cost as much as \$25,000 per hour.

YOUR PARTNER IN CEMENT

**Contact your local Flexco representative
or distributor. To find a representative or
distributor in your area, visit Flexco.com**



Partners in Productivity

