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FEATURES



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Modular transfer point system increases options, reduces installation downtime

Martin Engineering, global bulk conveyor technology specialist, has reimagined the transfer chute, from logistics to installation to future modifications. In what's thought to be a first for the bulk handling industry, the new Martin® Transfer Point System Martin Engineering includes from horizontal modular loading zone and settling zone configurations, providing easier installation and a wider variety of chute options, while facilitating future upgrades. The kit simplifies the assembly process, reducing the amount of labor required and allowing the system to be pre-built before installation to minimize system downtime, increasing the return on investment (ROI) from transfer chute replacements and upgrades.

"This is a rugged solution designed to fit most standard conveyors and belt widths, regardless of what material is being transferred," said Dave Mueller, Conveyor Products Manager at Martin Engineering. "Our Center for Innovation (CFI) is constantly looking for ways to engineer equipment to improve safety and our customer's bottom line. That's why the kit doesn't just streamline labour, time and production, but it's also a logistical solution, shipped in a single crate."

The transfer chute is a heavy-duty horizontal enclosure for the loading zone. Each system can be ordered with a 'loading zone,' 'settling zone' and/or 'stilling zone.' The width and length of the components are determined by the receiving belt's width and speed and the dust characteristics of the material being transferred, as dustier applications often require longer settling or stilling zones.

Listed under a single part number, the kit includes a chute wall weldment, wear liner assembly, wear liner plate, outer chute supports, top cover, tail panel/clamp/rubber sheet, installation hardware and an owner's manual. The skirt seal is sold separately, since it is a single piece that runs the entire length of the chute, and skirting is the most frequently replaced wear part in most transfer points.

The loading zone controls air turbulence and connects to both the drop chute and settling zone. When cargo hits a belt with great velocity, fines and lumps splash up the sides of the belt. Without a properly sealed enclosure, the material will spill underneath the conveyor, creating a hazard, restricting access and fouling other components. The settling zone follows the loading zone and helps mitigate dust emissions, while the stilling zone further



Copyright © 2022 Martin Engineering Outer chute supports are provided in standard lengths and cut shorter or narrower on-site as needed.



Copyright © 2022 Martin Engineering The Transfer Point Kit can be assembled prior to installation or assembled during scheduled downtime.

calms turbulent air flow. Dust is collected, mechanically filtered or settled back into the cargo stream prior to leaving the chute and continuing as a conventional open air conveyor.

The Transfer Point Kit solves three common problems. The first is that transfer chutes are normally shipped in different packages that sometimes don't arrive at the same time. Upon delivery, inventory is stored until scheduled downtime, increasing the chance of loss or misplacement.

Another problem is, for most new

transfer chutes on the market, some components can be prepared and assembled beforehand, but generally, new chutes need to be completely fabricated during downtime. The inability to build the structure before a shutdown increases the project budget and contributes to lost production time.

The third problem is, after construction, transfer point chutes are commonly a single system that requires significant engineering and construction to be modified. Changes to existing transfer points can be challenging, but to





Copyright © 2022 Martin EngineeringCopyright © 2022 Martin Engineering | The Modular Transfer PointThe modular system can be configured to fit the needs of the specific application.Kit can be easily modified to adapt to changes in production.

accommodate new belt support equipment or adapt to increases in production, the chute is often raised or lengthened.

The Transfer Point Kit addresses these problems, as chute sections are I) delivered in a single crate with every component for assembly included, 2) able to be assembled prior to the shutdown and installation, saving time and money, and 3) fully modular, making future changes easy without expensive construction projects.

The transfer point system accommodates belt widths of 18-72 in. (450–1,800mm) and an internal chute width of 9-59 in. (228–1,498mm). Each modular section is either 4 feet (1.21 metres) or 6 ft. (1.82m) long and constructed of mild steel, 304 stainless steel or 316 stainless steel, with a thickness of 0.25in. (6.35mm), 0.5in. (12.7mm), or 0.75in (19.05mm) to accommodate a wide variety of materials and conditions.

The Transfer Point Kit installation is

covered under the Absolutely No Excuses Guarantee as long as a Martin Engineering technician is involved in the installation process. Although assembly instructions are clear and easy to follow, another benefit of involving a factory-trained Martin expert is that customers who have ordered the kit have experienced a significant reduction in assembly and installation time. Moreover, once the system is started up and tested, there is a knowledgeable person on hand to offer advice on adjustments to ensure optimum performance.

"After installation, Martin Territory Managers or partner distributors are available to offer support," Mueller added. "The feedback for the kit has been excellent. Customers get the heavy-duty Martin quality they've come to expect in a more convenient, efficient and sustainable package."

Martin Engineering has been a global innovator in the bulk material handling

industry for more than 75 years, developing new solutions to common problems and participating in industry organizations to improve safety and productivity. The company's series of Foundations books is an internationally recognized resource for safety. maintenance and operations training with more than 22,000 print copies in circulation around the world. The 500+ page reference books are available in several languages and have been downloaded thousands of times as free PDFs from the Martin website. Martin Engineering products, sales, service and training are available from 17 factoryowned facilities worldwide, with whollyowned business units in Australia, Brazil, China, Colombia, France, Germany, India, Indonesia, Italy, Mexico, Peru, Spain, South Africa, Turkey, the USA and UK. The firm employs more than 1,000 people, approximately 400 of whom hold advanced degrees.

Remote monitoring for conveyor belt cleaners launched in Europe, Middle East, Africa and South Asia

Global leader in bulk handling equipment solutions Martin Engineering has launched its innovative N2[®] remote monitoring system for conveyor belt cleaners in countries across Europe, Middle East, Africa and South Asia.

Designed for any belt cleaner using a polyurethane blade, the N2 Position Indicator (PI) system tracks belt cleaner performance and tells users when servicing is required via an intuitive cloud-based mobile app or desktop dashboard.

The N2 PI allows maintenance managers to keep on top of belt cleaner performance, eliminating needless Martin's N2 PI attaches to the belt cleaner mainframe and feeds performance data to the gateway.

