

# FLOWFIRST™ TRANSFER POINTS:

CRITICAL DUST CONTROL  
FOR CEMENT OPERATIONS



*With so much at stake, it's critical to choose a transfer point solution that not only delivers maximum benefits, but that's backed by a recognized leader in belt conveyor productivity.*



## FLOWFIRST™ TRANSFER POINTS:

*Invented — and perfected — by our experts*

*Proven — and recommended — by our customers*

The key to designing an optimal transfer system is a deep knowledge of applied fluid dynamics — particularly, how bulk materials behave like fluids when moving at high speeds. At Flexco, we use a proprietary design method and software based on the principles of fluid dynamics to optimize the movement of your bulk material.

### ***Tasman Warajay® Technology: Superior Engineering for Superior Results***

Tasman Warajay® Technology is the collection of expertise and tools from Flexco. Having designed solutions for 30-plus years, our experts have led the world in engineered transfer chutes. Utilizing conventional techniques and our own proprietary software, we meet your transfers' specific needs. Our method precisely controls the angle and velocity of moving material — literally "shaping" the flow path and minimizing the impact on your receiving belts. While other systems on the market may claim to offer some degree of controlled flow, they still don't deliver the superior "soft loading" and dust mitigation of Tasman Warajay Technology.



# WE HANDLE IT ALL:

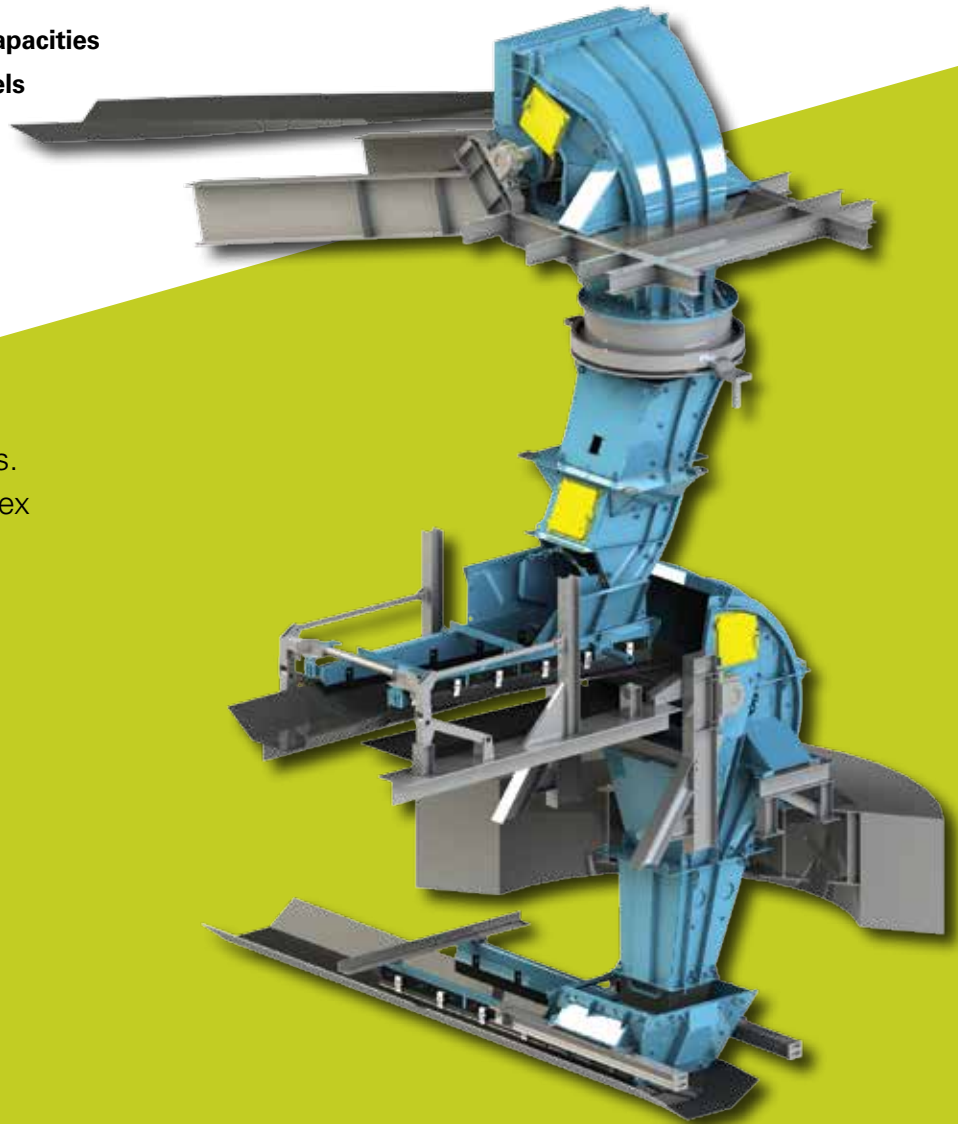
*In bulk material handling, safety and efficiency are always key concerns. But it's at belt-to-belt transfer points that minimizing hazards and maximizing throughput matter most. Flexco understands that. So we've assembled a team of specialists who can zero in on the source of your transfer challenges and design a solution to address them.*

## *Flexco FlowFirst™ Transfer Points Deliver:*

- **Throughput levels that match belt capacities**
- **Dust levels that meet regulatory levels**
- **Minimal spillage**
- **Low incidences of plugging**
- **Reduced material degradation**
- **Improved conveyor belt life**
- **Significant noise reduction**
- **Long wear life for the entire transfer point solution**

Straightforward one-on-one chutes. Diversion to multiple belts. Complex transfers with luffing and slewing motions. Whatever your transfer challenge, Flexco has the tools to meet it. In fact, our wide-ranging experience includes successful implementations for:

- **Large vertical drop transfers**
- **Ship loaders**
- **Stackers and reclaimers**
- **Oblique transfer angles**
- **Heated chutes**
- **Crusher feed and discharge**
- **And much more**



**FLEXCO**

# CHALLENGING APPLICATIONS — A SPECIAL AREA OF EXPERTISE

Today, most conveyor systems have several transfer points that often require special attention. The more complex the transfer needs, the more important it is to choose a team with proven experience in addressing intricate challenges.

## IMPROVED SAFETY

### Decreased Dust Generation

For enclosed operations, worker health and safety relating to inhaling particulates and material combustibility are the primary drivers for regulations that impose large fines on facilities.

Decreased dust generation is an inherent benefit to the way Flexco designs its solutions because of the focus on material impact, stream shape, and loading.

By keeping impacts low, meaning away from a perpendicular hit, material is going in the desired direction with less material degradation.

Our spoon design promotes soft-center loading material profiles, so material is able to settle faster and generate less dust inside of skirting.

The Flexco material stream design standard calls for a condensed, controlled stream that does not fold or rollover on itself, especially when changing direction, which decreases the amount of material that has the potential of becoming airborne.



## IMPROVED PRODUCTIVITY

### Increased Throughput

Often a common issue for traditional chute design is that material will slow down, or even stall, as it moves through a transfer point, resulting in larger stream depths and turbulent flow. This requires very large chute components that contain material more than direct it. Flexco balances the acceleration from gravity, belt speeds, impact reactions, material-on-material frictions, and material-on-liner frictions to keep material speed at desired levels through and out of the transfer.

*For Maximum Productivity,*

## CHOOSE THE RIGHT PARTNER

As an industry leader since 1907, Flexco understands that your belt conveyors play a critical role in your productivity. That's why we constantly strive to make them more productive, through a combination of superior products and sound advice. No team is more dedicated to working with you, understanding your challenges, and designing solutions that deliver results.

Count on us to help you maximize throughput, reduce maintenance and cleanup, and provide years of reliable service. Trust your transfer point needs to Flexco — your partners in productivity.

