

Over the years, coal operations have experimented with different approaches to improving material transfer. Some rely on funnel-and-pipe systems, dead beds or rock boxes, which focus exclusively on containment and often become plugged. Others choose more elaborate systems that promise some measure of “flow” handling. But neither of these approaches deliver the efficiency and control of CFMTS.

CFMTS: THE DIFFERENCE IS SUPERIOR TECHNOLOGY

Completely customized for your system

Using the principles of fluid dynamics, our engineers study your conveyor system to calculate your material’s ideal flow path and speed. They use predictive models to optimize surface contact, angle and velocity — which are essential to controlling plugging and spillage. Plus, we never adapt “off-the-shelf” components to your system. CFMTS solutions are completely customized to your needs.

More productivity, fewer challenges

Because less positive air is pulled through its system, CFMTS virtually eliminates dust and reduces material degradations. And only CFMTS allows for the integration of our exclusive diverter bucket technology, capable of online route switching and precise load portioning. We design solutions that transfer parts of your load onto as many as five separate legs, as well as vibratory chutes and crushers. CFMTS also allows many of our customers to accommodate up to 50 more tons of material.

In addition, CFMTS gives you:

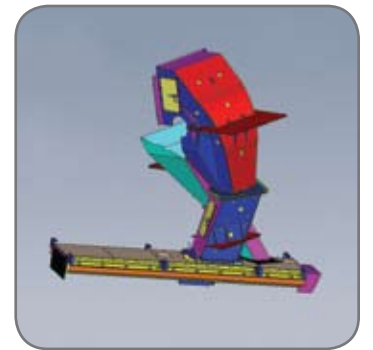
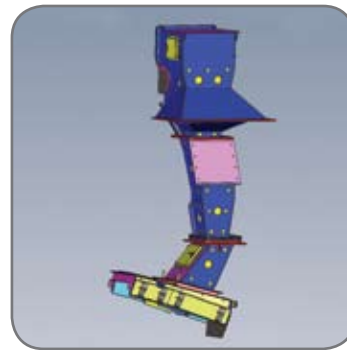
- Substantially increased throughput
- Reductions in overall cost of ownership
- Minimization of belt wear and noise
- Reduced spillage and cleanup costs without expensive dust collectors, baffling and skirting
- Compatibility with any conveyor orientation, including reversing conveyors and samplers
- Enhanced compliance with OSHA, NIOSH and other regulatory standards
- Incredible durability with virtually no maintenance for decades

FROM SIMPLE TO COMPLEX, we can deliver

From diverting material onto multiple belts to making transfers at difficult angles, every operation has special challenges and concerns. Fortunately, our CFMITS technology is compatible with virtually any belt conveyor system and can accommodate even the most complex requirements.

We've successfully engineered solutions that include:

- Stackers/reclaimers
- Ship loader nozzles
- Complex diversion systems
- Oblique transfers
- Dynamic control units
- One-to-one in-line units



DISCOVER THE POWER of Controlled Flow Material Transfer Systems™ (CFMITS®)



Moving material is always a challenge, but nowhere is it more difficult than at transfer points along your line. At these critical junctures, spillage, chute plugging and bridging in head pulleys can cause serious problems – reductions in output, damage to your belt conveyor, safety hazards, environmental compliance issues and more.

Our proprietary CFMITS technology virtually eliminates these issues. It delivers:

Substantially increased throughput

Thanks to its incredible precision and control, CFMITS can significantly boost your output by reducing spillage and delivering the maximum amount of material to the desired destination. This can lead to a reduction in the overall cost of owning and operating your system.

Precise diversion capabilities

Our proprietary diverter technology lets you precisely proportion your load to each transfer point along your system – up to five legs for a single input. Online switching and splitting allows you to easily control the desired amount of material passing through each leg. There's no need to stop the belt as material flows at uniform velocity and direction and is then softly loaded onto the next transfer point.

Reduction of respirable dust and other hazards

CFMITS reduces workplace hazards like spillage, which can cause operator injury and downtime. And because Flexco is dedicated to safety, we make it easy to comply with the standards of OSHA, NIOSH and other regulatory bodies.