

solutions *to improve efficiency, safety and productivity?*

Providing the World Material Handling Industry with Productive, Safe and Reliable "Complete Conveyor Solutions."

ASGCO®

Complete Conveyor Solutions

ASGCO® Solves a Dust and Chute Plugging Problem.

Challenge: A high volume paper mill was experiencing constant chute plugging, and leaking in critical areas, causing wood chips and dust to escape containment. A secondary problem was chronic belt mistracking and material leakage under ill-fitting rubber skirts. Due to the extreme capacity of this mill and the 24 hour operation, ASGCO® Engineers had only 8 weeks to take field measurements, design and fabricate a new chute and load zone, and have everything installed.

Solution: After surveying the conveyor system, ASGCO® recommended a new chute design to help with the material flow plus Slide-n-Roll® Slider Beds to support the belt. In addition, the system could greatly benefit from ASGCO®'s Clamp-Mount® Skirtboard Sealing System with angle support, Dura-Seal® (ORG), 45 durometer skirting rubber to seal the dust from escaping from the skirting area, and a Hinged V-Plow™ that keeps any material from getting caught between the tail pulley and the belt. The chute was redesigned using our 3-DEM® Chute Analysis Program to improve the material flow, along with installing Safe-Guard® Inspection Doors for quick inspection of the chute and equipment. The load zone improvements included several Conveyor Dust Curtains and a Tru-Trainer® Return Idler that would keep the conveyor belt from mistracking into the tail pulley.

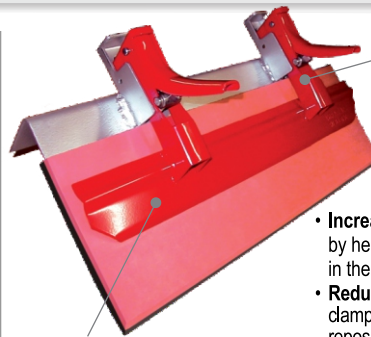
Results: After implementing all of the listed improvements in the tight time period allowed, the mill is operating at a much higher level of productivity. Chute plugging is no longer a problem, and dust and debris have been adequately contained. This has greatly reduced clean up time, and improved safety conditions. Due to the success of this project, the mill operator has ordered the redesign of additional chutes as well as installing many other ASGCO® products.



SLIDE-LER BARS - are easy to remove and replace

ROBUST DESIGN - using steel frames and 1" thick UHMW slider bars to provide excellent wear life

- **Increase Belt Life** - by eliminating the gaps, scalloping and pinch points
- **Seals the Transfer Point** - by supporting the belt edge
- **Robust Designed** - steel frames and 1" (25mm) thick UHMW slider bars provide excellent wear life



SYSTEM CAN ACCOMMODATE - 20°, 35° AND 45° idlers

INSTALLS EASILY - and allows for one person to replace or reposition skirt rubber

- **Increase Conveyor Performance** - by helping to eliminate spillage and dust in the loading zone.
- **Reduce Downtime** - by the simple clamp adjustment and release to allow repositioning without tools, getting your conveyor system back online quickly.
- **Rugged Construction** - provides effective locking ability for any type of skirting material.

PROBLEM: Fugitive material build up on the conveyor chute and the load zone area caused by chute holes and improper sealing systems.



SOLUTION: ASGCO® Slide-N-Roll® system along with a new engineered chute design and proper load zone support with sealing rubber.



Click for More Information

For more information and benefits of ASGCO® 3-DEM® Chute Analysis Program | contact us at www.asgco.com