

Conveyor Mis-Alignment Inefficiencies at Mining Operations and Bulk Shipping Terminals are Solved

Industry	Mining Operation and Bulk Shipping Terminal
Product:	ASGCO® Tru-Trainer® series of conveyor belt tracking idlers
Objective:	To provide conveyor belt tracking idlers to solve belt mis-tracking or mis-alignment issues that were causing belt damage and safety/efficiency problems.

Challenge

Conveyor efficiency, safety and productivity are critical components to any mining operation or bulk shipping terminal. Therefore conveyor belt mis-tracking or mis-alignment can be a major concern.

As shown in these pictures below the conventional training idlers are not effective. Some of the problems were: the side-guide rollers and exposed center pivot would seize, which can create severe belt edge damage; the trainer in most cases is tied off in one direction therefore not allowing the trainer to actuate when needed, and lastly conventional tracking idlers will not work on reversing conveyor systems. On one particular reversing conveyor system the customer had a conveyor belt mis-alignment switch sending an alarm nearly every day.



Recommendations:

After a complete survey of the conveying systems the biggest problems were identified. It was recommended to the customer that they install Tru-Trainer® series of conveyor belt tracking idlers approximately 20'-30' (7m-10m) prior to any conveyor pulley.

Results:

After the installation of the Tru-Trainer®s the customer has not had a single belt mis-alignment alarm sent on any conveyor that now has a Tru-Trainer®, including the reversing conveyors. The Tru-Trainer® series of Conveyor Belt Tracking idlers employs a patented, unique highly effective tracking action, which is non-damaging to the conveyor belt and reacts immediately if the belt begins to steer off center. Because it does not rely on contact with the belt edge in order to guide the belt, belt edge damage which frequently occurs with conventional tracking systems, is avoided.

Tru-Trainer® Dual Return Urethane Idler

- Designed for High Speed/PIW Conveyors
- Heavy Duty Rolls - 5/8" polyurethane lagged
- Central Pivot with Two Individual Rollers
- Enhanced Sealing/Bearing System
- Total Satisfaction Guarantee (TSG)
- Excellent for Reversing Belt Applications.



*The **Tru-Trainer®** series of conveyor belt tracking idlers are a patented design that offers the most reliable and re-active belt tracking idlers available today.*

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