

## ASGCO® Low Profile Dual Return Tru-Trainer® System Eliminates Belt Tracking Issues at This Midwestern US Coal Burning Power Plant

**Industry:** Midwestern US Coal Burning Power Plant  
**Application:** Stacker Reclaimer Reversing Conveyor 60" Wide Steel Cable Belt.  
**Product:** ASGCO® Low Profile Dual Return Tru-Trainers®  
**Objective:** Eliminate belt tracking issues that are resulting in major belt damage and spillage from contact with steel conveyor supports.



**Challenge:** For many years this conveyor had a hydraulic three return Idler belt training system that wouldn't properly keep the conveyor belt in line. The plant was facing constantly downtime to repair the hydraulic system. Even when operational, the belt would veer off of center and come into contact with the structural supports, leading to critical damage to the belt and costly material spillage. To further complicate this application, the conveyor also has less than 13" of height to mount any type of return training roller. Options for eliminating the tracking problem were extremely limited by these space restrictions.



**Before:** This conveyor had a failing hydraulic three return Idler belt training system that wouldn't properly keep the conveyor belt in line.



**After:** ASGCO® engineered low profile Dual Return Tru-Trainer® system with a height of only 11.8", installed to continually recenter the belt.

**Solution:** After surveying the conveyor and taking key measurements, the ASGCO® Engineering department developed the Low Profile Dual Return Tru-Trainer with a height of only 11.8". This new low-profile design was installed to replace the previous failing system to actively and continually recenter the belt.

**Results:** After installing two Low Profile Dual Tru-Trainers® about 20' from each stationary pulley, the belt is maintaining center alignment and the problem of belt damage and material spillage has been eliminated. The customer no longer has to shut down operations to repair the belt and the hydraulic system, or to spend valuable hours cleaning up spilled material. Performance has been greatly improved and productivity is at an all time high. This particular customer is very satisfied with the performance of the Tru-Trainers®, and recently placed an order for two additional for a different 60" Stacker Reclaimer Conveyor.