LASER ALIGNMENT

Improves Your Conveyor’s Alignment, Efficiency and Overall Performance

ASGCO’s Laser Alignment Services improves the overall conveyor performance using state-of-the art laser equipment and digital processors. ASGCO technicians can accurately analyze the alignment of all the components and structure of the conveyor for better conveyor efficiency.

- **Improves Conveyor Efficiency** - by extending belt life and components, improving dust control, and reduced power consumption.
- **Provides Accurate Analysis** - of all conveyor pulleys, drives, take-ups, components and structure.
- **Precise Corrections** - are identified on a detailed conveyor status report via a computer printout on site after the analysis.
- **Total Satisfaction Guaranteed (TSG)** - our laser alignment and conveyor services are guaranteed each and every time.

**Benefits**

ASGCO® is offering a complete conveyor laser alignment service for industrial customers in your areas. Available exclusively through ASGCO® Distributors, this technology is highly accurate (0.003" at 500 ft).

Often, customers will seek a laser survey to solve a belt tracking problem but later realize the other benefits of having a properly aligned system. Some of these benefits include:

- Increased pulley lagging life
- Extended belt and splice life
- Greater bearing life
- Reduced power consumption

**And most important, less costly downtime!**

Laser Alignment identifies the areas of the conveyor that are responsible for:

- Belt mis-tracking
- Abnormal or premature pulley lagging wear
- Premature bearing failure
- Pulley end disc failure
- Off-center loading issues
- Material spillage
- Idler, frame, chute damage
- Excessive motor current draw
Step 1:
Locate the centerline, then off-set from the conveyor to one or both sides and establish a **masters plane**. Monuments are then placed so that the centerline can be reestablished anytime in the future.

Step 2:
Establish **slave planes**. The slave planes are vertical and perpendicular to the master plane.

Step 3:
Establish **level planes**. The level planes are horizontal and perpendicular to the master and slave planes.

**Planes of Light are Created by Rotating the Laser Beam**

**Measurements from the various planes allow us to determine alignment of stringers, pulleys and idlers, to insure optimized system performance.**

**Reports Generated on Site**

The data is recorded and the condition of the components and belt are observed and a report is written. The report documents the condition of the system and makes recommendations for correction of the problems.