

LASER ALIGNMENT

*Improves Your Conveyor's Alignment, Efficiency
and Overall Performance*

ASGCO®

Complete Conveyor Solutions

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 (.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



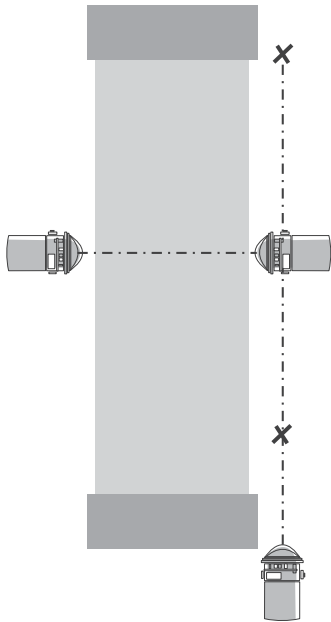
Need Solutions...to improve efficiency, safety and productivity? **ask... ASGCO®**

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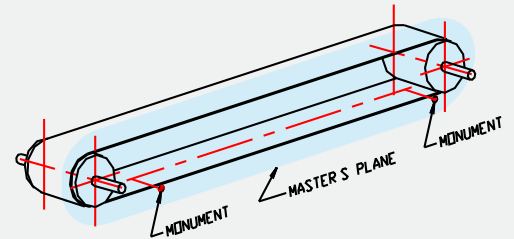
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Planes of Light are Created by Rotating the Laser Beam



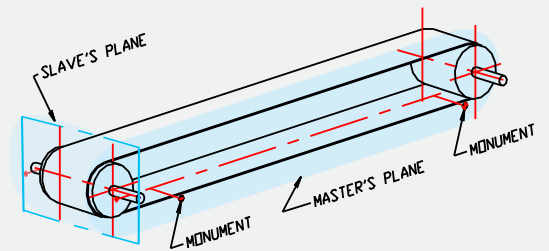
Step 1:

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:

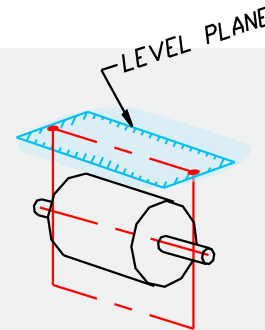
Establish **slave planes**. The slave planes are vertical and perpendicular to the master plane.



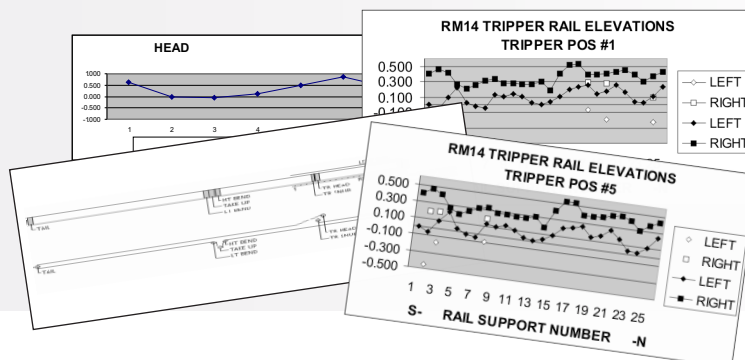
Measurements from the various planes allow us to determine alignment of stringers, pulleys and idlers, to insure optimized system performance.

Step 3:

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



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.

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