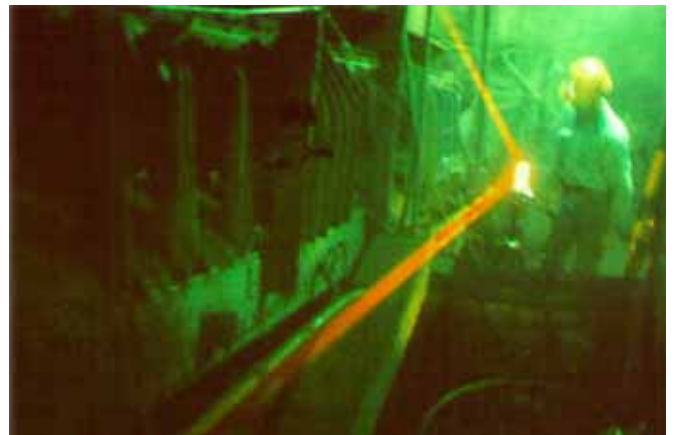


***MARTIN SERVICES: Laser Surveying***



Keeping conveyors running in alignment is a key to efficiency in material handling. Surveying of belt conveyors using laser technology offers a state-of-the-art method to assess the state of the conveyor and to develop precise corrections to put the belt on track.



***Benefits***

- **Provides Accurate Analysis**  
Laser survey provides details of alignment of conveyor's structure and pulleys.
- **Allows Precise Correction**  
Findings of laser survey specify accurate (1/8 in. at 100ft.) adjustment of conveyor by Martin Services personnel or plant staff.
- **Improves Conveyor Efficiency**  
Corrections to improve belt tracking and prevent damage to belt and structure can be made by Martin Services or plant staff.
- **Benchmarks for Future Analysis**  
Markers affixed to conveyor allow exact replication to note future changes in conveyor condition.
- **Satisfaction Guaranteed**  
Laser surveying is covered by Martin Engineering's Absolutely, Positively, No Excuses Guarantee

***Conveyor Alignment***

Using data from a laser survey, Martin Services or plant personnel can correct conveyor alignment, to:

- Extend Life of Belt and Components
- Prevent Belt Wander
- Reduce Spillage
- Improve Conveyor Efficiency
- Reduce Conveyor Power Consumption

## **MARTIN SERVICES: Laser Surveying**

### **Why Survey with Lasers?**

Laser surveying is a high-tech solution to understand conveyor conditions. A low power (5 milliwatt) laser transit allows the survey of conveyors up to 500 feet (150 meters) in one setup. Multiple setups allow surveying of conveyors of unlimited length—even uphill, downhill, or curved conveyors.

To determine alignment of components like pulleys set at a right angle to the stringers, a pentaprism is used to “bend” the laser beam.

### **Why Martin Services Laser Survey?**

- **Specialized Personnel**

Experienced crew minimizes project time while maintaining high accuracy, even on tough projects.

- **State-of-the-art Technology**

Latest system generates and collects data, proprietary systems generate conveyor status reports. Equipment can be air shipped.



### **Also Available from Martin Services**

- Installation of Martin Engineering Systems, including:
  - Belt Cleaning Systems
  - Transfer Point Systems
  - Dust Management Systems
  - Air Cannon Systems
- Maintenance Services
- Silo Cleaning



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QUALITY MANAGEMENT SYSTEM  
CERTIFIED BY DNV  
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