

CONVEYOR AND MINING SERVICES

Engineering, Installation & Maintenance Services



Products and Services

The reliability and efficiency of your conveyor system ultimately depends upon the products and maintenance you choose.

At ASGCO® Manufacturing, Inc. we use engineered products and services to provide our customers with the best solutions to their conveyor material handling applications. We are focused on developing cost effective and technologically advanced products, specifically designed for optimum conveyor performance.

Combined with our global network of distributors, we can provide you with custom engineering and design to meet your specific conveyor needs, along with installation and maintenance programs that will streamline your operation by increasing production up time and lowering costs. Together we are part of a coordinated implementation team focused on insuring your success.

Installation and Service

Our Experienced Field and Service Installation Technicians - are ASGCO® and MSHA certified and trained for above and underground mining. Prompt, reliable emergency service is available 24/7/365 days a year to help keep your conveyor systems running productive, safe and efficient.

On-Site and On-Time Fabrication and Completion - are essential in any installation to shorten the schedule and minimize costly downtime.

Typical Installation & Service Projects:

- **Belt Cleaning Systems** new installations or scheduled maintenance programs with the plant.
- **Belt Tracking Idlers** installed including Tru-Trainer® Flat Return, Dual Return and Troughing specialty idlers for continuous belt alignment.
- **Transfer Point Improvements** including load zone beds and skirting systems.
- **Dust Control** using 3-DEM™, engineering or other products and services to improve and help eliminate dust in and around the conveyor.
- **Laser Alignment** new installations or scheduled maintenance programs with the plant.
- **Pulley Lagging** with Arrowhead™ Ceramic, Drive & Plain Lagging to reduce buildup and misalignment.
- **Chute Liners** installation or retrofitting of X-Wear™ energy absorbing, wear resistant tiles.
- **Air Cannon Systems**
- **Crusher and Screen Repairs**

ASGCO® offers five locations to serve you:

Allentown, Pennsylvania

Baltimore, Maryland

Harper, West Virginia

Gillette, Wyoming

Thatcher, Arizona

- Design & Engineering
- Fabrication & Installation Services
- Conveyor Component Training
- Conveyor Maintenance Programs



- Equipment Maintenance Services
- Dust Control Products & Services
- Pulley Lagging
- Laser Alignment
- Field Services Program
- Crusher & Screen Services



Providing the World Material Handling Industry with Productive, Safe and Reliable "Complete Conveyor Solutions."
301 Gordon Street . Allentown, PA 18102 . 1-800-344-4000 . Fax: 610-778-8991 . www.asgco.com

CONVEYOR SOLUTIONS

Maintenance Services

ADVANTAGES:

- Maximum product performance
- Increased productivity from less down time
- Less operating costs



Single Source Conveyor Solutions Provide:

- Scheduled conveyor walk throughs
- Identification of problem areas
- Detailed plan of attack to change and improve
- Installation of products
- Complete maintenance schedule

Your equipment will be routinely serviced and checked to insure maximum performance.

Custom Engineering

ASGCO® provides complete transfer point design using our discrete element methods, 3-DEM™. Discrete Element Methods (DEM) is a revolutionary way to handle granular and particulate material problems through computer simulation. This can be used for complete turnkey installations for new and or existing conveyor retrofits, specializing in:

Increased Production Capabilities

- Stop chute plugging, spillage, belt wear, chute wear, and dust

Optimize Life on Conveyor Belt and Components

- Minimize impact and top cover wear on the conveyor belt by using a curved chute or soft loading design
- Reduce impact and abrasion to chute liners and conveyor components

Minimize Material Spillage, Dust and Noise

- Center load the material
- Load the material at a uniform rate and speed the belt is moving
- Optimize material flow in the direction of travel and load the material after the belt is fully troughed
- Maintain conveyor belt alignment throughout the load zone.
- Optimize belt cleaner design to match the performance needed to reduce carry back

Reduce the Need for Dust Control and Suppression

- Minimize the dust through a curved chute or soft loading design
- Effective skirting and internal wear and impact resistant chute liners
- Maintain dust curtains staggered throughout the loading area to further minimize air movement
- Minimize impact of materials

We can also provide:

- Standard, certified CAD engineering drawings
- Performance and application recommendations
- Component specification
- Drawing and design review and recommendations
- Interface control documentation
- Extensive application experience and references



ASGCO®

Complete Conveyor Solutions

CONVEYOR SURVEY FORM

Customer: Plant Name: Address: City: State: Zip: Country: Contact: Title: Phone: Fax: Email: Cell:

Conveyor #: Please check units of interest (mark boxes)

CONVEYOR BELT INFORMATION:

- Size of Belt
- Belt Width
- Total Belt Length
- Type Belt System
- Belt Capacity (ton/hr)
- Belt Manufacturer
- Material
- Oil Resistance
- Actual Belt Speed (FPM)
- Angle of Incline (deg)
- Powering Conveyor

PRODUCT CHARACTERISTICS:

- Product Height of Fall
- Belt Density (lb/cu ft)
- Max. Lump Size
- Max. Min. Temperature
- % of Product Moisture

PULLEY IDLER & POWER TRANS:

- Head Pulley Size
- Head Pulley Lagging
- Snatch Pulley Size Lagged or Not
- Direction of Wrap
- Tail Pulley Type & Size Lagged or Not
- Take-up Type Lagged or Not
- Counterweights (lbs) or Screw Take-up
- Take-up Travel
- Idle Roll Size
- Idle Troughing (deg)
- Idle CEMA Load Rating (ABCD)
- Trough Idler Spacing
- Return Idler Spacing
- Motor HP
- Reducer
- V-Belts

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We'd rather help you avoid emergencies by allowing our Engineering and Consulting Services to examine your operation and pinpoint the trouble spots that are likely to disrupt your conveyor system. A program of planned and scheduled maintenance can avert many breakdowns. Our program's goal is to service the equipment properly at the lowest cost.