Our Mission... Providing the World Material Handling Industry with Productive, Safe and Reliable “Complete Conveyor Solutions”

Engineered Conveyor Products & Services for Bulk Material Handling Systems

ASGCO® Manufacturing, Inc. headquartered in Allentown, PA is a leading manufacturer of proprietary bulk conveyor components and accessories that enhance material flow performance. Founded in 1971 by Alfred S. Glotz and his son Todd Glotz, ASGCO® believes in taking care of the customer with great products and exceptional service. This has been a successful and standard policy at ASGCO® for many years and will continue in the future.

ASGCO® is a diversified and innovative company with six major divisions that serve specific targets of the material handling industry. We market these innovative products and services through selected distributors, joint ventures, and representatives worldwide. The growth of the company, over the years, is due to recognized improvements in the productivity of our customers' operations.

Every material handling system has conditions — either large or small, constant or intermittent, open or obscure — that an ASGCO® study can identify and improve. We also believe that a consulting study will provide improvements that will be a wise investment. That’s because, no matter what the basic assignment, we always seek out ways to increase production and to reduce operating costs.

We typically start these services with a thorough on-site inspection to observe the operation and gather data. Next, we analyze and study the data, and often search for additional information. Then, the result: recommendations for new procedures and improved equipment — all aimed at providing solutions that can be pragmatically implemented.

ASGCO® will continue to serve the needs of the traditional bulk materials industry. Every client can be assured that ASGCO® bases its reputation on quality service and products. We promise that we will not just meet, but exceed your expectations in helping our customers increase production and reduce operating costs.

THE ASGCO® PROMISE - applies to every client, every time.
Always think and work in terms of solutions that are best for the customer in the long term.
Provide prompt, reliable service to every client, every time.
Develop and sell products that satisfy the practical working needs of our customers.

Rubber Scouring Screens, Perforated Plates, Canoe Liners and Side Tension Screen Rails

The roll of screening in the processing flow is to size and separate material ahead of secondary and tertiary crushing circuits, or to size and separate material in preparation for final product stockpiling.

ASGCO® Rubber Screen Panels deliver unmatched precision performance — dependable production even under adverse high impact operating conditions, or when handling the most abrasive and coarse material types for dry screening.

ASGCO® rubber screens are custom-made to fit your existing application, giving you low maintenance costs and high efficiency in applications that are too severe for conventional wire decks.

Punch Plate Screens also available.

Screen Feed Box Liners

Screen Feed Box Liners are patterned for a direct replacement of the current liner configuration being used, or depending on the wear characteristics change the layout for maximum wear life. Liners have the ability to have various sized and shaped ceramics inserted to increase the longevity of the liner.

Screen Side Wear Liners

Screen Side Wear Liners are boxed in with mild steel or hard plate to prevent premature edge wear or damage. Bolt patterns, sizes, and thicknesses are fully customizable to increase the wear life for your operation. In house engineered to allow for an ease in duplicating.

Skirtboard Wear Liners (Urethane, Steel, Rubber, Ceramic)

Wear Liners protect your skirtboard and extend the life and effectiveness of your sealing compound. Urethane skirt designs where belts are fully loaded and full chute width needs to be maintained. The angled deflector plate wear liner will force larger material to the center of the belt.

Our Urethane Canoe Liners made to absorb impact and abrasion in all types of material transfer operations. ASGCO® Ceramic Canoe Skirt Liners are highly effective for sealing inside the skirtboard, controlling the material until it becomes stable and protecting the skirt wall from wearing.

Urethane Bucker Backer Bar Channel

Also referred to as finger strip, bucker-up strip, buffer channel and crown bar channel. Lasts 5 times longer than conventional rubber.

Ledges are tapered slightly inward to aid in gripping the bucker up bar to prevent rolling. Available 1/4 and 1/2 channel in 4ft lengths. Durameter 82

- Abrasion Resistant
- Resists cuts and tears
- Impact Resistant
- Less Maintenance
- Easy Installation
## Wear Parts

### Armortite®

**Armortite® AR**

**X-Wear® Ceramic Liners**

**Canoe Liners**

**Urethane Cast Products**

### Wear Liners for Bulk Material Handling Conveyor Systems

**Wear Liners**

Wear Liners are designed to be an integral part of any bulk handling conveyor system.

ASGC® manufactures a variety of conveyor wear liners with many options and sizes to choose from. Designed to handle any tough hard rock mining application, Abrasion resistant, modular, high-wear material to the belt, chutes, and bin impact areas; ASGC® wear liners products are the longest lasting, most cost effective in the industry.

**Nitronic 60 Stainless Steel** - a nitrogen-strengthened stainless steel developed for applications requiring good level corrosion resistance and durability.

**X-Wear® (Ceramic)** - Smooth laminate surface provides optimum sliding for bulk material handling.

**Armortite® AR** - Hardox 450 Internal Skirtboard Liners protect your skirtboard and extend the life and effectiveness of your sealing compound.

**Urethane Liners** - We manufacture Urethane cast products as per customer requirement under strict confidentiality agreements with our customers, respecting any and all patents on the products they have designed and given us the opportunity to manufacture.

Available Conveyor Products:
- Urethane Lagged Pulleys & Rollers
- Urethane Classifier Shoes
- Urethane Hydroclone Liners
- Urethane Sheets & Linings
- Pipeline Products & Pigs

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ASCO® stocks thousands of feet of belt, offering the most complete conveyor product range in the market for quarries, cement, aggregates, bulk shipping terminals, recycling, coal and coal fired power plants.

20% Greater in Abrasion Resistance Than Other Manufacturers

ContiTech is the world’s largest manufacturer of Fabric and Steel Core Conveyor Belt

ContiTech is a technology leader and the world’s largest bulk material handling conveyor belt manufacturer. They carry a broad selection of both steel cord and textile reinforced conveyor belts, service/repair materials and special engineered products for mining, machine and equipment construction and many other branches of industry.

ContiTech’s performance based conveyor belt technology represents safe, reliable, cost efficient and eco friendly operation above and below ground.

ContiTech manufactures conveyor belts in 17 countries across the globe, including the United States (Kansas) with a New State-of-the-Art 96° wide Conveyor Belt Press.

CONTIFLEX® Plied Belting

CONTIFLEX® textile reinforced conveyor belts are highly engineered for a variety of bulk material handling applications in the mining, aggregate, and industrial markets. In addition to a range for normal bulk goods, various special types are available for conveying hot goods, for the transport of goods containing oil and grease, for steep incline conveying and with special reinforcing materials for particular applications.

• Extra strong for the most grueling demands
• Low-tension tension members
• Excellent on small pulley diameters
• Superior true-tracking properties

CONTIFLEX® Plied Belting

CONTIFLEX® straight-warp fabric is designed with heavy duty, high-strength, straight yarns in the longitudinal direction, which are bound to heavy duty weft yarns with a specially engineered binder yarn. This unique construction eliminates most all of the crimp found in conventional conveyor belt fabrics.

• High-strength with exceptional stability
• Rip and tear resistance that is 2-3 times that of conventional conveyor belt

CONTITITANIUM® Straight-warp fabric is designed with heavy duty, high-strength, straight yarns in the longitudinal direction, which are bound to heavy duty weft yarns with a specially engineered binder yarn. This unique construction eliminates most all of the crimp found in conventional conveyor belt fabrics.

• High-strength with exceptional stability
• Rip and tear resistance that is 2-3 times that of conventional conveyor belt

Heavy-Duty Vibrating Feeders and Replacement Parts

Syntron® Heavy-Duty Vibrating Feeders

Syntron® Vibrating Feeders for heavy industry are ideal for feeding a wide variety of bulk materials from storage piles, hoppers, bins and silos. Rugged and dependable, Syntron® heavy-duty feeders are backed by years of service with proven performance in the mining, aggregates, glass, cement, chemical, wood products and steel industries.

Syntron® Heavy-Duty Electromagnetic Feeders

Syntron® Heavy-Duty Electromagnetic Feeders are the most recognized name in the industry. With models having capacities ranging from 25 to 1,600 tons per hour, these feeders are capable of handling a variety of materials from fine powder to large, coarse particles.

Performance Feeder Features

• Dust-tight and maintenance-free drive units: Feeders have no mechanical parts to wear out, such as cars, eccentrics, belts and bearings - thus eliminating the need for lubrication.
• Stroke generated by electromagnetic field produced by coil.
• High Frequency: 3600 VPM at 60 Hz or 50 Hz with EVF Control for maximum feed rate.
• Stroke - 0.80 inches: New “LP” units operate at 0.80” at 3600 VPM to provide 40% more output than traditional units at 0.60”

Syntron® MF Heavy-Duty Electromechanical Feeders

Syntron® MF Heavy-Duty Electromechanical Feeders are the heavy-weights of bulk material handling and are used for higher capacity requirements. The ten heavy-duty models handle capacities from 600 to 4,000 tons per hour.

Syntron® Heavy-Duty Electromechanical Feeders combine extra structural strength with durable components. The deep wing plates form a bridge between inlet and discharge suspension supports, providing extra strength for years of dependable service.

Feeder Features

• Operating frequency - 1100 VPM at 55.4 Hz
• Stroke - 0.25 - 0.30 inches
• Start and operate fully loaded or empty
• Dependable, flexible, easily adjustable
• Minimal component design to reduce adjustments and replacements due to wear loaded or empty
Conveyor Belt Repair

**fourthane**

The best and fastest system in the world for belt conveyor reparations.

Fourthane is a new easy to apply synthetic rubber with high tear and impact resistance. Fourthane allows you to repair rubber conveyor belt covers that cure enough within one hour so the equipment operation can be resumed, reducing down time and maximizing the equipment operational time.

Besides formulated to be applied on conveyor belts that work under high impact and abrasion.

**Fourthane** is a liquid material designed to be applied with a spatula or a similar tool. After a relatively short period of curing time it acquires physical properties similar to the conveyor belt’s rubber cover.

**Fourthane** product is provided in a kit of 25.5 Ounces (750 grams), which includes the synthetic rubber and catalyst. With the proper primer, the product can also be applied to non-rubber surfaces such as steel, concrete, wood, etc.

**Typical Applications:**
- Restore belt covers worn from skirtboard contact
- Repair belt covers on feeder belts
- Patch impact damaged areas of feeder belt covers
- Repair of longitudinal cuts in steel cord and fabric belts
- Refurbish damaged belt splice areas
- Renovel rip detection antenna installation areas

**Productivity**
- After applying, it only requires 10 minutes to dry and 1 hour to setup, minimizing down time, accomplishing time and money saving.

**Easy Application**
- Specially formulated to be used in the field with very few tools and personnel.

**High Tear and Impact Resistance**
- The high tear and impact resistance of the Fourthane Red Line, allows the users to repair rubber coatings and conveyor belt covers of heavy demand, such as fewer belts.

Grinding/Cleaning old rubber out of damaged conveyor belt.

Applying cleaner and primer.

Finished, longitudinal groove repaired.

**VULKAN Heat Resistant Belting**

The heat resistant CordTech Vulkan Prime replaces the well-known Vulkan T200. The modified polymer composition and optimized crosslinking system in Vulkan OPTIMUM improves the resistance of conveyor belts while keeping adhesive values constant.

- Improved thermal resistance to temperatures 200 – 800°C.
- Good resistance to acids and lyes.
- Adhesive values remain constant even under extreme thermal loads.

**STAHLCORD® Steel Cord Belting**

STAHLCORD® is wear-resistant, rot and corrosion-resistant, resistant to chemicals and thermally stable, our steel cord conveyor belts provide long years of service while requiring little maintenance, few splices & transition areas, high breaking load at maximum conveying capacity, wear, rot, corrosion and chemical resistant, fire retardant and anti-static, additional steel cord for extreme loads, little maintenance required.

**CHEVRON Steep-Angle Belting**

CHEVRON belts are equipped with covers of a tried-and-tested, wear-resistant quality. With 10-50 mm high profiles, they are the perfect belt for numerous applications,

- Wear-resistant cover with profiles vulcanized
- Flexible profile compounds for up to 50 mm
- Can be used efficiently with small pulley diameters
- Reduction of dirt caking
- Special types are available for conveying hot goods, for goods containing oil and grease and for steep-incline conveying applications.

**MOR Oil Resistant Compounds**

Moderate Oil Resistance (MOR) is engineered to resist cover swell due to oil exposure. MOR is ideally suited to handling waste products, sludge, sewage, wood products and other moderately oily materials.

**Applications:**
- Aggregates & Cement
- Cement
- Power Generation
- Steel
- Fertilizer
- Aboveground Coal
**Conveyor Pulleys**

**Martin SPROCKET & GEAR, INC.**

**Drum and Wing Pulleys**

Martin’s product line meets the demanding requirements of industries such as sand and gravel pits, quarries, coal mines, unit packaging, food processing, and recycling. These pulleys are manufactured to the same quality standards you have come to expect from Martin.

Martin manufactures heavy duty conveyor pulleys, including drum pulleys, wing pulleys, turbine pulleys, engineered pulleys, and special construction pulleys.

**Drum Pulleys**

- Martin Drum pulleys are manufactured from thick wall pipe or tubing, with a crowned face or flat face. Martin has standard duty, quarry duty, mine duty and machined drum pulleys.
- Machined Drum Pulleys
- Standard Duty Drum Pulleys
- Mine Duty Drum Pulleys
- Quarry Duty Drum Pulleys

**Wing Pulleys**

- Martin Wing Pulleys are constructed from extremely heavy materials and are recognized in the industry as the most aggressive CEMA grade stock pulley on the shelf.
- Standard Duty Wing Pulleys
- Mine Duty Wing Pulleys
- Quarry Duty Wing Pulleys
- Quarry Duty “ARI” Wing Pulleys
- Special Construction Pulleys

**CFW Wing Pulley**

- Martin’s Clean Fit® Wing Pulley is a much stronger design, constructed with distinctly aggressive materials and thick flight.
  - Enhance belt tracking
  - Decreased vibration
  - Reduced noise
  - Improved material rejection
  - No contact bar
  - Maximum cleaning efficiency

**Heavy Duty Conveying Pulleys**

- Martin’s Lagging is designed to meet the demands of your application. We offer Ceramic Lagging custom fit to your application, vulcanized rubber, odd bond lagging and strip lagging. Other lagging compounds such as Urethane, EPDM White Food Grade FDA approved rubber, SOR (static conductive/anti static/isolator resistant) and many other lagging products are also available:
  - Vulcanized Rubber Lagging
  - Ceramic Lagging
  - VC-Lag (Vulcanized Ceramic Lagging)

**Flexible Mechanical Fasteners**

**Mechanical Fastener Solutions for all your Conveyor Needs.**

Fastener systems for heavy-duty applications:

- **Rivet Solid Plate**
  - Fastener System
  - 1. Low-profile, bolt cleaner compatible
  - 2. Quick installation, minimal downtime
  - 3. Power installation options
  - 4. Maximum resistance to pull-out

- **Rivet Hinged**
  - Fastener System
  - 1. Low-profile, bolt cleaner compatible
  - 2. Quick installation, minimal downtime
  - 3. Power Installation options
  - 4. Maximum resistance to pull-out

**Mechanical Fastener Solutions**

Mechanical fasteners combine surprising strength and durability with affordability and easy installation. That makes them a smart option when your priority is saving time and money.

ASGCO’s service team has the capability of installing Flexco® fasteners to quickly repair your conveyor belt, reducing costly downtime and increasing productivity.

How to specify the right fastener:

1. Determine belt tension - Most conveyor belting has a mechanical fastener rating. Care should be taken not to operate the belting or fasteners beyond their recommended ratings.
2. Measure belt thickness - If fasteners are to be countersunk, measure the belt thickness after a portion of the belt cover has been removed. Choose a fastener size which corresponds to belt thickness.
3. Measure the diameter of the smallest pulley in your drive - For self take-up of the self-cleaning “wing” type pulley, 25% larger diameter dimensions are generally required. Only consider pulleys over which the belt makes at least a 50° wrap.
4. Choose the fastener size that is appropriate for your specifications - Consult individual Flexco® application catalogs to guide your selection.
5. Hinged or solid plate - When either style is appropriate, solid plate styles are preferred for longer life and to prevent shifting. Hinged fasteners are preferred on portable conveyors with smaller pulley diameters.

Fastener Metals include: Steel, Stainless Steel, MegAlloy®, RustAlloy®, Everdur and Promal.
Super Screw® Conveyor Belt Lacing
...So Easy to Install!

Mint Lacing Technology has developed the SUPER-SCREW™. MLT specific screws are self-drilling and self-tapping (they spread the carrier threads without cutting them).

The fasteners are made of composite material with self-tapping screws and are usable on reinforced rubber corresponding to the various conveyor quality: wear, oil or fire-resistant or white PDA.

The screwing system allows Super-Screw® to be installed regardless of the:
- configuration of the conveyor belt
- screws conditions
- weather conditions

Super-Screw® can also be used as a permanent splice and for repair of holes and rips.

Additional Fasteners

Clip’N Lock™ is a low profile light duty fastener. It maintains the normal pitch that ensures an excellent gripping of the daw in wide belts. Meander Design (continuously connected design), developed by Mint Lacing Technology’s R&D:
- Double rows of teeth for additional strength
- Eliminates risk of boxing claws
- Helps to maintain pitch in wide belts
- Perfect for trough belts - 33% more grip points gives 15% more additional strength than standard fasteners.

MLT Fasteners utilizes self-tapping screws for heavy duty belts that require no drilling, no template, and no hammering. The screws drill smoothly through the belt, while maintaining belt integrity (thickness of 9/64” to 23/32”).
- No Pre-Drilling / No Template
- Installed by screwing directly
- Belt is clamped by the fastener itself
- Rubber belts can be repaired, then back to work
- Turn fastener upside down for a more leak proof and long life installation.

Belt Skiver PS 15 Standard

- Handle is very ergonomic and comfortable,
- Every size blade can be fitted on the cutting head in one operation, clamps are spring loaded,
- Can slide on any part of your belt,
- Can skive your belts from 1/16” to 5/8” deep,
- Each part is available as a spare part.

Super Screw® Benefits:

- Wear and cut resistant
- Perfect for tubular belts
- Flexible and leak proof
- High tensile strength
- Compatible with small pulley diameter by bias installation
- Can be used for a short insert on the conveyor system
- Compatible with conveyor belt scrapers
- Available in coil or ready to use cut specific lengths
- Suitable for high heat belt up to 200°C or 392 °F and very low temperatures -50°C or 19°F
- Many rubber quality available
- For antimagnetic splice (magnet belts) use screws and inserts made of antimagnetic stainless steel

High Quality Skiving Tool with 4 Heat Settings

Martin SPROCKET & GEAR, INC.

Martin offers a complete line of material-handling solutions available to the marketplace. Our conveyor products are designed to efficiently handle most varieties of dry, free-flowing bulk materials. Martin offers a variety of configurations to efficiently handle most any material handling need.

Screw Conveyors

Single and Double Screw conveyors are commonly used to transfer bulk material solids. However, a screw may also be used to heat or cool a product as it is being conveyed.

Martin can help size and select the conveyor that meets your needs.

Bucket Elevators

Martin manufactures and stocks Bucket Elevators in a variety of styles and configurations. Bucket elevators are used in many industries with material including, soaps, ceramics, carbon black, fiberglass, metal powder, fertilizer, grains, sugar, flour, salt and much more.

Centrifugal Discharge Elevators

Offered in chain or belt type design and will handle a variety of free-flowing dry materials with small to medium lump size.

Super Capacity - Continuous Discharge Elevators

Offered in chain type design with buckets mounted between two chain rows and will handle higher capacities of free flowing, extremely abrasive materials.

High - Speed Grain Centrifugal Elevators

Offered as a belt design of either double or single leg construction. Designed to economically handle free flowing grain type products.

Screw Conveyors

Bucket Elevator Conveyors

- Screw Conveyors
- Shaftless Screw Conveyors
- Bucket Elevators
- Vertical Screw Elevators
- Drag Conveyors
- Modular Plastic Conveyor Screws
- General Material Handling

Continuous Discharge Elevators

Offered in chain or belt type design and will handle a variety of free-flowing dry and sluggish, extremely abrasive materials with medium to large lump size.

Mill Duty - Centrifugal Discharge Elevators

This heavy duty construction style for severe environments is offered in chain or belt type design including double row bucket design made to handle a variety of free-flowing dry materials with small to medium lump size.
**Ball Bearing Idlers**
**Link-Belt CEMA Series**
**Tapered Roller Bearing Idlers**
**Specialty Idlers**

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**Tough Construction for Tough Applications**

Martin manufactures heavy-duty Idlers and components that exceed CEMA standards. Heavy-duty construction and triple-labyrinth seals allow for trouble-free service life in the harshest of environments. Idlers are available when and where you need them. Martin can provide the complete solution for your belt conveyor needs.

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**Syntron Material Handling**

For over 100 years, Link-Belt has designed and manufactured belt conveyor parts including conveyor idlers (rollers) and components that set the standard of excellence for bulk material handling throughout the world. Quality products, prompt shipment and after-sales service are Syntron® Material Handling trademarks. We offer a full-line of conveyor idlers (rollers) products, ranging from 14” to 120” in belt widths, that meet or exceed CEMA B, C, D, E, and F specifications.

**Link-Belt® C2000 Idlers**

Choose from a wide range of Link-Belt® Conveyor Idlers (and parts) for above-ground and underground applications.

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**Superior SpinGuard Seal Technology**

- Contact seal prevents foreign material from entering seal cavity
- Grease-lubricated triple labyrinth seal shuts out contaminants
- Stationary external seal prevents material pinch points
- Quick Release Reaction
  - One to two day turnaround on custom designs
  - High Quality Construction

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**Asgco® Load Zones, Skirting and Dust Control**

**Conveyor Load Zone Support**

Asgco®’s decades of load zone support is utilized in developing world class conveyor transfer point products such as our line of Impact Beds and Pro-Zone™ that help:

- NO Pinch Points or Idler Junction Area
- Absorb Impact and Can Really Take the Shock of Large Material
- Modular Designed Cradles
- Available in Either Standard or Mine Duty

**Impact Cradle Beds** - Asgco®’s Impact Cradle Beds are (Patent Pending) designed to provide protection to your conveyor belt from impact damage from large rocks, tramp metal, root bolts or bucket teeth that can put a stop to operations.

**Roller Cassette** - Incorporates the advantages of idler and impact bars for sealing, while maintaining constant rolling support for the conveyor belt in the load zone.

**Pro-Zone™** - A patent pending modular conveyor belt load zone system that optimizes the sealing for antiskirt tightness of the receiving conveyor belt.

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**Asgco® Skirt Sealing Systems and dust control products eliminate spillage, dust and fines at transfer points on the conveyor systems. Provides Hopkirk Relatale, Positive Seal in the Conveyor Load Zone, slashes clean-up costs, improves conveyor safety, reduces damage to conveyor belt and components.

**Standard Double Clamp-Mount® -** Helps eliminate spillage and dust in the conveyor transfer point. Installs easily and allows for one person to replace or reposition skin rubber.

**Clamp-Mount Mdx™ (Mine Duty) -** Helps to eliminate spillage and dust in the conveyor transfer point. MDX installs easily and allows for one person to replace or reposition skin rubber.

**Tri-Seal™, Multi-Seal™, Dura-Seal™ (ORG), B&R Dura Seal™, and SK3™ Skirtboard Sealing Compounds**

Our adjustable skirtboard sealing compounds stop fines and dust from escaping the load zone. They work great in above and below ground mining.
**Primary Belt Cleaners**

- **Skalper®** with E-Z Torque® - Simple and highly effective belt cleaning system for every application.
- **Razor-Back®** - Tough self-adjusting replaceable tungsten carbide blades (non-carbide also available) for extremely effective belt cleaning.
- **Super-Skalper®** - The massive blade tackles the toughest bulk material handling applications.

**Secondary Belt Cleaners**

- **Skalper® III with Force-1®** - Economical pre-cleaner features the Skalper® blade design and an effectively simple and accurate Force-1® tensioner, aggregate industries.
- **TORO®** - Effective, flexible solution that is also suitable for reversing conveyor belts.
- **V-Plow XD®** - Designed for the toughest mining environments to reduce build-up on the tail and take-up pulleys and reduce belt edge damage.

**Specialty Conveyor Belt Tracking Idlers**

- **Tru-Trainer® Conveyor Belt Tracking Idlers** - The Tru-Trainer® conveyor belt tracker employs a unique and highly effective tracking action, which is non-damaging to the belt and reacts immediately if the conveyor belt begins to drift off center.
- **Tru-Trainer® Flat Return Idler** - reacts as the belt tracker moves off center it will contact the tapered section of the roller on that side of the conveyor belt.
- **Tru-Trainer® Tapered Troubleshooting Idler** - The patented ASGCO® Tru-Trainer® Tapered Troubleshooter offers the ultimate in tracking performance on the load-carrying side and is the result of over 10 years of design and innovation.
- **Tru-Trainer® Dual Return Urethane or Rubber and Dual V-Return Urethane or Rubber Idlers** - developed to accommodate excessive forces encountered with wide conveyor belts and heavy loads. Fast and effective.

**Features and Benefits:**
- Continuous Alignment reduces edge damage
- Heavy-Duty Paramount Design
- Rejection in both wet and dry conditions
- Total Satisfaction Guarantee (TSG)
- Polyurethane lagged rollers are also available.
- Excellent for Reversing Belt Applications.

Patented design does not rely on the conveyor belt to activate an arm-type tracking mechanism. By utilizing an internal pivot versus external pivot it does NOT build up with carry back.

**Slide-ers®** - Give you the ability to change more than under the conveyor loading skin area without having to remove adjacent belt idlers.
Baldor-DoDge power transmission products offer reliable service and low maintenance to help reduce your total cost of ownership. Our innovative bearings, gearing and power transmission products have solved the toughest applications for over 130 years. Our technical sales team can help you with the most challenging applications, and our worldwide/distributor network ensures immediate delivery.

**Mounted Bearings**
- Mounted Ball Bearings
- Mounted Tapered Roller Bearings
- Mounted Spherical Roller Bearings
- Mounted Plain Bearings
- Hydrodynamic Bearings
- Take-Up Frames

**GT Components**
- Coupplings
- Conveyor Components
- Conveyor Pulleys
- Webb-On Hubs
- Bushings
- Sprockets
- Synchronous Belt Drives
- Sheaves
- V-Belt Drives
- Motor Brakes
- Clutch/Brake Modules

**TIMKEN**

When your equipment faces harsh environments, you need roller bearing housed units rugged enough to collect tough conditions and deliver exceptional performance.

Timken Spherical Roller Bearing Solid-Block Housed Units multiply protection with primary and secondary seal coatings, as well as stainless covers in size to fit all Timken solid-block housing units. The space between the primary and secondary seal offers a full grease cavity for more protection.

Increase performance and durability / Decrease overall cost of ownership

**Electric Motors, Controls and Gear Reducers**

WorldWide provides customers with the best products, competitive prices and superior customer service.

**Rigid Base Motors**
- 1-250 HP: 3600, 1800 and 1200 RPM
- Single voltage, 460 volt
- TEFC enclosures, Rigid base
- Dual rated service factor 1.15 for 40°C / 1.0 for 65°C
- Class F insulation with Class N varnish
- Full compliance with IEEE 841, version 2009
- Meets or exceeds EIA 2007 requirements defined in NEMA MG-1: Table 12-12
- Parker Hannifin ProTech EP6 labyrinth seal on both drive-end and opposite drive-end bearings
- CSA Certified for Class I, Division 2, Groups A, B, C, D
- Inverter duty, 10:1 CT / 1000:1 VT
- Class B temperature rise

**Rock Crusher Motors**

Advanced Design Rock Crusher Motors:
- 100 HP, 460 HP: 1800 and 1200 RPM
- 208-230/460 volt (100-200 HP) 460 volt (250-600 HP)
- TEC enclosures
- 1.15 SF
- Class F insulation
- Rigid base
- Premium efficiency (100-200 HP)
- EIA-Compliant high-efficiency (250-600 HP)
- Inverter ready, 4:1 CT / 10:1 VT (100-200 HP)
- Suitable for 60 Hz operation with 1.9 SF (100-150 HP)

**Advanced Design Soft Starts**

Advanced Design Heavy Duty Soft Starts:
- Three wire in, three wire out installation
- Service Entrance Rated
- Integrated bypass contactors are standard on all sizes
- Over current capacity: 500% for 60 seconds
- Rokslime thermal modeling and dynamic thermal register continuously calculates motor operating temperature even when your motor is not running
- Phase loss protection based on current and voltage
- Separates across the line overload protection
- Load loss trip (under current) with trip delay
- Pre-start checks for shorted load prior to each start
- Two programmable overload trip curves allow for the thermal capacity required to start the load while providing more closely matched overload protection during the run time
- PTC thermistor input for use on motors with embedded PTC temperature sensors
- Current imbalance trip and tripping of the thermal register

**Mounted Bearings**

- Mounted Ball Bearings
- Mounted Tapered Roller Bearings
- Mounted Spherical Roller Bearings
- Mounted Plain Bearings
- Hydrodynamic Bearings
- Take-Up Frames

**GT Components**

- Coupplings
- Conveyor Components
- Conveyor Pulleys
- Webb-On Hubs
- Bushings
- Sprockets
- Synchronous Belt Drives
- Sheaves
- V-Belt Drives
- Motor Brakes
- Clutch/Brake Modules
**Baldor-DoCo Electric Corp.**

**Worldwide provides customers with the best products, competitive prices and superior customer service.**

**Rigid Base Motors**

- 1-250 HP  - 3600, 1800 and 1200 RPM
- Single voltage, 460 volt
- TEFC enclosures, Rigid base
- Dual rated service factor 1.15 for 40°C / 1.0 for 65°C
- Class F insulation with Class N varnish
- Full compliance with IEEE 841, version 2009
- Meets or exceeds IEC 2007 requirements defined in NEMA MG-1 table 12-12
- Parker Hannifin ProTech PF6s labyrinth seals on both drive-end and opposite drive-end bearings
- CSA Certified for Class I, Division 2, Groups A, B, C, D
- Inverter duty, 10:1 CT / 1000:1 VT
- Class B temperature rise

**Rock Crusher Motors**

- Advanced Design Rock Crusher Motors:
  - 100 HP - 600 HP  - 1800 and 1200 RPM
  - 208-230/460 volt (100-200 HP) 460 volt (200-600 HP)
  - TEFC enclosure
  - 1.15 SF
  - Class F insulation
  - Rigid base
  - Premium efficiency (100-200 HP)
  - IEC-Compliant - high efficiency (250-400 HP)
  - Inverter ready, 4:1 CT / 10:1 VT (100-200 HP)
  - Suitable for 50 Hz operation with 1.5 SF (100-150 HP)

**Advanced Design Soft Starts**

Advanced Design Heavy Duty Soft Starts:
- Three wire, three wire out installation
- Service Entrance Rated
- Integrated bypass contactors are standard on all sizes
- Over current capacity: 500% for 60 seconds
- Rackable thermal modeling and dynamic thermal register continuously calculates motor operating temperature even when your motor is not running
- Phase loss protection based on current and voltage
- Separate across the line overload protection
- Load loss trip (under current) with trip delay
- Pre-start checks for shafted load prior to each start
- Two programmable overload trip curves allow for the thermal capacity required to start the load while providing more closely matched overload protection during the run time
- PTC thermistor input for use on motors with embedded PTC temperature sensors
- Current imbalance trip and basing of thermal register

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**Timken**

When your equipment faces harsh environments, you need roller bearing housed units rugged enough to collect tough conditions and deliver exceptional performance.

Timken® Spherical Roller Bearing Solid-Block Housed Units multiply protection with primary and secondary seal options, as well as steel covers in sizes to fit all Timken® solid block units. The space between the primary and secondary seal offers a full grease cavity for more protection.

Increase performance and durability / Decrease overall cost of ownership.
Primary and Secondary Conveyor Belt Cleaners

The Importance of Belt Cleaners
At ASGCO®, we recognize that conveyors are the product lifelines to any plant. It is important that all conveyor systems run efficiently in moving your products from one production unit to the next without failure or any unscheduled downtime.

Our Primary Belt Cleaners are now bigger, stronger and more durable.

Primary Belt Cleaners
- Skalper® with E-Z Torque® - Simple and highly effective belt cleaning system for every application.
- Skalper® III with Force-1™ - Economical pre-cleaner features the Skalper® blade design and an effectively simple and accurate Force-1 tensiometer, aggregate industries.
- Super Skalper® - The massive blade tackles the toughest bulk material handling applications.

Secondary Belt Cleaners
- Razor-Back® - Tough self-adjusting replaceable tungsten carbide blades (non-carbide also available) for extremely effective belt cleaning.
- TORO® - Effective, flexible solution that is also suitable for reversing conveyor belts.
- V-Plow XD™ - Designed for the toughest mining environments to reduce build-up on the tail and take-up pulleys and reduce belt edge damage.

Specialty Conveyor Belt Tracking Idlers

Tru-Trainer® Conveyor Belt Tracking Idlers
- The Tru-Trainer® conveyor belt tracker employs a unique and highly effective tracking action, which is non-damaging to the belt and reacts immediately if the conveyor belt begins to drift off center.
- Our line of Tru-Trainer® conveyor belt trackers don’t rely on contact with the belt edge in order to guide it. This means that conveyor belt edge damage, which occurs frequently with other tracking systems, is avoided. The center pivot is unique and simple, consisting of a stainless steel pin within a solid steel center shaft.

Features and Benefits:
- Continuous Alignment reduces edge damage
- Heavy-Duty Paramount Design
- Reactionary in both wet and dry conditions
- Total Satisfaction Guarantee (TSG)
- Polyurethane lagged rollers are also available.
- Excellent for reversing belt applications.

Patented design does not rely on the conveyor belt to activate an arm-type tracking mechanism. By utilizing an internal pivot versus external pivot it does NOT build up with carry back.

Tru-Trainer® Flat Return Idler - reacts as the belt tracker moves off center it will contact the tapered section of the roller on that side of the conveyor belt.

Tru-Trainer® Tapered Troughing Idler - The patented ASGCO® Tru-Trainer® tapered trougher offers the ultimate in tracking performance on the load-carrying side and is the result of over 10 years of design and innovation.

Tru-Trainer® Dual Return Urethane or Rubber and Dual V-Return Urethane or Rubber Idlers - developed to accommodate excessive forces encountered with wide conveyor belts and heavy loads. Fast and effective.

Potential Replaceable Sleeves are also available for both CEMA D, E and F idlers.

Dura-Sleeve™ - Return idlers are a patented abrasion resistant urethane sleeve that is easily clamped on any existing or new rubber or urethane disc return idler shaft.

Slide-iers™ - Give you the ability to change roller under the conveyor loading skirt area without having to remove adjacent idlers.
**Conveyor Idlers**

**Ball Bearing Idlers**
**Link-Belt CEMA Series**
**Tapered Roller Bearing Idlers**
**Specialty Idlers**

**Martin IDLERS**

**Tough Construction for Tough Applications**
Martin manufactures heavy-duty idlers and components that exceed CEMA standards. Heavy-duty construction and triple-labyrinth seals allow for trouble-free part life in the harshest of applications. With idlers available when and where you need them, Martin can provide the complete solution for your belt conveyor needs.

**Syntron Material Handling**

For over 100 years, Link-Belt has designed and manufactured belt conveyor parts including conveyor idlers (rollers) and components that set the standard of excellence for bulk material handling throughout the world. Quality products, prompt shipment and after-sales service are Syntron® Material Handling trademarks. We offer a full line of conveyor idlers (rollers) products, ranging from 14" to 120" in belt widths, that meet or exceed CEMA B, C, D, E and F specifications.

**Link-Belt® C2000 Idlers**

Choose from a wide range of Link-Belt® Conveyor Idlers (rollers) for above-ground and underground applications.

**SUPERIOR**

**SpinGuard® Seal Technology**
- Contact seal prevents foreign material from entering void cavity
- Grease-lift triple labyrinth seal shuts out contaminants
- Stationary external seal prevents material pinch points

Quick Release Reaction
- One to two day turnaround on custom designs

*High Quality Construction*

**ASGCO® Load Zones, Skirting and Dust Control**

**Load Zone, Skirting and Dust Control**

**Conveyor Load Zone Support**
ASGCO®s decades of load zone support is utilized in developing world class conveyor transfer point products such as our line of Impact Beds and Pro-Zone™ that help:
- NO Pinch Points or Idler Junction Area
- Absorb Impact and Can Really Take the Shock of Large Material
- Modular Designed Cradles
- Available in Either Standard or Mine Duty

**Impact Cradle Beds™** - ASGCO®s Impact Cradle Beds are (Patent Pending) designed to provide protection to your conveyor belt from impact damage from large rocks, tramp metal, root bolts or bucket teeth that can put a stop to operations.

**Roller Cassette™** - Incorporates the advantages of idler and impact bars for sealing, while maintaining constant rolling support for the conveyor belt in the load zone.

**Clamp-Mount® Sealing Systems**

**Skirtboard Sealing Compounds**

**Impact Beds**

**Pro-Zone™** - A patent pending modular conveyor belt load zone system that optimizes the sealing for antistatic tightness of the receiving conveyor belt.

**Tri-Seal*, Multi-Seal*, Dura-Seal® (ORG), B&R Dura Seal®, and SK3® Skirtboard Sealing Compounds**

**Clamp-Mount MDX® (Mine Duty)** - Helps to eliminate spillage and dust in the conveyor transfer point, MDX installs easily and allows for one person to replace or reposition skirt rubber.

**Tri-Seal® Skirting**

**Dura-Seal® (ORG) Compound**

Our adjustable skirtboard sealing compounds stop flares and dust from escaping the load zone. They work great in above and below ground mining.
Super-Screw® Conveyor Belt Lacing

...So Easy to Install!

Mlin Lacing Technology has developed the SUPER-SCREW®. MLT specific screws are self-tapping and self-fapping (they spread the carcass threads without cutting them). The fasteners are made of composite material with self-fapping screws and are usable on reinforced rubber corresponding to the various conveyor quality: wear, oil or fire-resistant or white PDA.

The screwing system allows Super-Screw® to be installed regardless of the:
- configuration of the conveyor belt
- screws conditions
- weather conditions

Super-Screw® can also be used as a permanent splice and for repair of holes and rips.

Additional Fasteners

Clp’N Lock® is a low profile light duty fastener. It maintains the normal pitch that ensures an excellent gripping of the plies in wide belts. Meander Design (continuously connected design), developed by Mlin Lacing Technology’s R&D:
- Double rows of teeth for additional strength
- Eliminates risk of breaking claws
- Helps to maintain pitch in wide belts
- Perfect for trough belts - 33 % more grip points gives 15 % more additional strength than standard fasteners.

M3® Fasteners utilizes self-fapping screws for heavy duty belts that require no drilling, no tempering, and no hammering. The screws drill smoothly through the belt, while maintaining belt integrity (thickness of 9/64” to 23/32”).
- No Pre Drilling / No template
- Installed by screwing directly
- Belt is clamped by the fastener itself
- Rubber belts can be repaired, then back to work
- Turn fastener upside down for a more leak proof and long life installation.

More information on:

Bucket Elevators

Bucket Elevators

Martin manufactures and stocks Bucket Elevators in a variety of styles and configurations. Bucket elevators are used in many industries with materials including: soaps, ceramics, carbon black, fiberglass, metal powder, fertilizer, grains, sugar, flour, salt and much more.

Continuous Discharge Elevators

Offered in chain or belt type design and will handle a variety of free-flowing dry materials with small to medium lump size.

High - Speed Grain Centrifugal Elevators

Offered as a belt design of either double or single leg construction. Designed to economically handle free flowing grain type products.

Martín SPROCKET & GEAR, INC.

Screw and Bucket Elevators

- Screw Conveyors
- Shaftless Screw Conveyors
- Bucket Elevators
- Vertical Screw Elevators
- Drag Conveyors
- Modular Plastic Conveyor Screws
- General Material Handling

Screw Conveyors

Single and Double Screw conveyors are commonly used to transfer bulk material solids. However, a screw may also be used to heat or cool a product as it is being conveyed.

A conveyor screw is either right hand or left hand depending on the form of the helix. The hand of the screw is easily determined by looking at the end of the screw.

Bucket Elevator Conveyors

Click’N Lock Fasteners

Belt Skiver PS 15 Standard

- Handle is very ergonomic and comfortable,
- Every size blade can be fitted on the cutting head in one operation, damps are spring loaded,
- Can skive on any part of your belt,
- Can skive your belts from 1/16” to 5/8” deep,
- Each part is available as a spare part.

High Quality Skiving Tool with 4 Heat Settings
Martin SPROCKET & GEAR, INC.  
**Drum and Wing Pulleys**

Martin's product line meets the demanding requirements of industries such as: sand and gravel pits, quarries, coal mines, unit packaging, food processing, and recycling. These pulleys are manufactured to the same quality standards you have come to expect from Martin.

Martin manufactures heavy-duty conveyor pulleys, including drum pulleys, wing pulleys, turbine pulleys, orthogonal pulleys, and special construction pulleys.

**Drum Pulleys**
- Martin Drum Pulleys are manufactured from thick wall pipe or tubing, with a crowned face or flat face. Martin has standard duty, quarry duty, mine duty and machined drum pulleys.
- Machined Drum Pulleys
- Standard Duty Drum Pulleys
- Mine Duty Drum Pulleys
- Quarry Duty Drum Pulleys

**Wing Pulleys**
- Martin Wing Pulleys are constructed from extremely heavy materials and are recognized in the industry as the most aggressive CEMA grade stock pulley on the shelf.
- Standard Duty Wing Pulleys
- Mine Duty Wing Pulleys
- Quarry Duty Wing Pulleys
- Quarry Duty “ART” Wing Pulleys
- Special Construction Pulleys

**CFW Wing Pulley**
- Martin's Clean Flip Wing Pulley is a much stronger design, constructed with distinctly aggressive materials and thick flight.
- Enhance belt tracking
- Decreased vibration
- Reduced noise
- Improved material rejection
- No contact bar
- Maximum cleaning efficiency

**Heavy Duty Conveying Pulleys**
- Martin's Lagging is designed to meet the demands of your application. We offer Ceramic Lagging custom fit to your application, vulcanized rubber, odd bond lagging and strip lagging. Other lagging compounds such as Urethane, EPDM White Food Grade FDA approved rubber, SOF (static conductive/anti static flame resistant) and many other lagging products are also available.
- Vulcanized Rubber Lagging
- Ceramic Lagging
- VC-Lag (Vulcanized Ceramic Lagging)

**Mechanical Fastener Solutions**
for all your Conveyor Needs.

Fastener systems for heavy-duty applications:

- **Rivet Solid Plate Fastener System**
  1. Low-profile, bolt cleaner compatible
  2. Quick installation, minimal downtime
  3. Power installation options
  4. Maximum resistance to pull-out

- **Rivet Hinged Fastener System**
  1. Low-profile, bolt cleaner compatible
  2. Quick installation, minimal downtime
  3. Power installation options
  4. Maximum resistance to pull-out

Mechanical belt fasteners combine surprising strength and durability with affordability and easy installation. That makes them a smart option when your priority is saving time and money.

ASGCO’s service team has the capability of installing Flexco® fasteners to quickly repair your conveyor belt, reducing costly downtime and increasing productivity.

How to specify the right fastener:

1. Determine belt tension - Most conveyor belting has a mechanical fastener rating. Care should be taken not to operate the belting or fasteners beyond their recommended ratings.
2. Measure belt thickness - If fasteners are to be countersunk, measure the belt thickness after a portion of the belt cover has been removed. Choose a fastener size which corresponds to belt thickness.
3. Measure the diameter of the smallest pulley in your drive - For use of the self-cleaning “wing” type pulley, 25% larger diameter dimensions are generally required. Only consider pulleys over which the belt makes at least a 90° wrap.
4. Choose the fastener size that is appropriate for your specifications - Consult individual Flexco® application catalogs to guide your selection.
5. Hinged or solid plate? - When either style is appropriate, solid plate styles are preferred for longer life and to prevent shifting. Hinged fasteners are preferred on portable conveyors with smaller pulley diameters.

Fastener Metals include: Stainless Steel, MagAlloy®, RustAlloy®, Everdur and Promal.
 Conveyor Belt Repair

The best and fastest system in the world for belt conveyor reparations.

Forthane® is a new, easy-to-apply synthetic rubber with high tear and impact resistance. Forthane® allows you to repair rubber conveyor belt covers that cure enough within one hour so the equipment operation can resume, reducing down time and maximizing the equipment operational time.

Specially formulated to be applied on conveyor belts that work under high impact and abrasion.

**Forthane®** is a liquid material designed to be applied with a squeegee or a similar tool. After a relatively short period of curing time it acquires physical properties similar to the conveyor belt’s rubber cover.

**Forthane®** product is provided in a kit of 26.5 Ounces (750 grams), which includes the synthetic rubber and catalyst. With the proper primer, the product can also be applied to non-rubber surfaces such as steel, concrete, wood, etc.

**TYPICAL APPLICATIONS:**
- Restore belt covers worn from skirtboard contact
- Restore belt covers on feeder belts
- Patch impact damaged areas of feeder belt covers
- Repair of longitudinal cuts in steel cord and fabric belts
- Refurbish damaged belt splice areas
- Renovate rip detection antenna installation areas

**Productivity**
After applied, it only requires 10 minutes to dry and 1 hour to setup, minimizing down time, accomplishing time and money saving.

**Easy Application**
Specially formulated to be used in the field with very few tools and personnel.

**High Tear and Impact Resistance**
The high tear and impact resistance of the Forthane® Red Line, allows the users to repair rubber coatings and conveyor belt covers of heavy demand, such as feeder belts.

VULCAN Heat Resistant Belt.

The heat resistant CordTech® Vulcan Prime replaces the well-known Vulcan T200. The modified polymer composition and optimized crosslinking system in Vulcan OPTIMUM improves the resistance of conveyor belts while keeping adhesive values constant.

- Improved thermal resistance to temperatures 200 – 800°C *
- Good resistance to acids and lyes
- Adhesive values remain constant even under extreme thermal loads.

STAHLCORD® Steel Cord Belting

STAHLCORD® is wear-resistant, rot and corrosion-resistant, resistant to chemicals and thermally stable, our steel cord conveyor belts provide long years of service while requiring little maintenance.

- Few splices & transition areas
- High breaking load at maximum conveying capacity
- Wear, rot, corrosion and chemical resistant
- Fire retardant and anti-static
- Additional steel cord for extreme loads
- Little maintenance required

CHEVRON Steep-Angle Belting

CHEVRON belts are equipped with covers of a tried-and-tested, wear-resistant quality. With 10-50 mm high profiles, they are the perfect belt for numerous applications.

- Wear-resistant cover with profiles vulcanized
- Flexible profile compounds for up to 50 mm
- Can be used efficiently with small pulley diameters
- Reduction of dirt caking
- Special types are available for conveying hot goods, for goods containing oil and grease and for steep-incline conveying applications.

MOR Oil Resistant Compounds

Moderate Oil Resistance (MOR) is engineered to resist cover swell due to oil exposure. MOR is ideally suited to handling waste products, sludge, sewage, wood products and other moderately oily materials.

**Applications:**
- Aggregates & Cement
- Cement
- Power Generation
- Steel
- Fertilizer
- Aboveground Coal
High Performance Belting for Bulk Material Handling Applications

ContinTech is the World's Largest Manufacturer of Fabric and Steel Cable Conveyor Belting

ContinTech is a technology leader and the world's largest bulk material handling conveyor belting manufacturer. They carry a broad selection of both steel cord and textile reinforced conveyor belting, service, repair materials and special engineered products – for mining, machine and equipment construction and many other branches of industry.

ContinTech's performance based conveyor belt technology represents safe, reliable, cost efficient and eco friendly operation above and below ground.

ContinTech manufactures conveyor belt in 17 countries across the globe, including the United States (Kansas) with a New State-of-the-Art 95° wide Conveyor Belt Press.

CONTIFLEX® Piled Straightwarp

CONTIFLEX® textile reinforced conveyor belts are highly engineered for a variety of bulk material handling applications in the mining, aggregate, and industrial markets. In addition to a range for normal bulk goods, various special types are available for conveying hot goods, for the transport of goods containing oil and grease, for steep incline conveying and with special reinforcing materials for particular applications.

- Extra strong for the most grinding demands
- Low-stretch tension member
- Excellent on small pulley diameters
- Superior true-tracking properties

CONTIFLEX® Piled Straightwarp

CONTIFLEX® straight-warp fabric is designed with heavy duty, high-strength, straight yarns in the longitudinal direction, which are bonded to heavy duty warp yarns with a specialty engineered binder yarn. This unique construction eliminates most all of the creep found in conventional conveyor belting fabrics.

- High-strength with exceptional stability
- Rip and tear resistance that is 2-3 times that of conventional conveyor belting
- Outstanding puncture and high impact resistance
- Excellent flexibility and load support

Syntron® Heavy-Duty Vibrating Feeders

Syntron® Vibrating Feeders for heavy industry are ideal for feeding a wide variety of bulk materials from storage bins, hoppers, bins and silos. Rugged and dependable, Syntron® heavy-duty feeders are backed by years of service with proven performance in the mining, aggregates, glass, cement, chemical, wood products and steel industries.

Syntron® Heavy-Duty Electromagnetic Feeders

Syntron® Heavy-Duty Electromagnetic Feeders are the most recognized name in the industry. With models having capacities ranging from 25 to 1,600 tons per hour, these feeders are capable of handling a variety of materials from fine powder to large, coarse particles.

Performance Feeder Feature
- Dust-tight and maintenance-free drive units:
  - Feeders have no mechanical parts to wear out, such as cars, eccentrics, belts and bearings - thus eliminating the need for lubrication.
- Stroke generated by electromagnetic field produced by coil:
  - High Frequency: 3600 VPM at 60 Hz or 50 Hz with EVF Control for maximum feed rate.
- Stroke: .080" - .090" inches. New "RP" units operate at .080" at 3600 VPM to provide 40% more output than traditional units at .060".

Syntron® MF Heavy-Duty Electromechanical Feeders

Syntron® MF Heavy-Duty Electromechanical Feeders are the heavy-weights of bulk material handling and are used for higher capacity requirements. The ten heavy-duty models handle capacities from 600 to 4,000 tons per hour.

Syntron® Heavy-Duty Electromechanical Feeders combine extra structural strength with durable components. The deep wing plates form a bridge between inlet and discharge suspension supports, providing extra strength for years of dependable service.

Feeder Features
- Operating frequency - 1100 VPM at 55.4 Hz
- Stroke: 0.25 - 0.30 inches
- Start and operate fully loaded or empty
- Dependable, flexible, easily adjustable
- Minimal component design to reduce adjustments and replacements due to wear loaded or empty
Wear Parts

Wear Liners

Wear Liners are designed to be an integral part of any bulk handling conveyor system.

ASGCO® manufactures a variety of conveyor wear liners with many options and sizes to choose from. Designed to handle any tough hard rock mining application. Abrasion resistant, modular, high-wear material to line belts, chutes, and bin impact areas; ASGCO® wear liner products are the longest lasting, most cost effective in the industry.

Nitronic® Stainless Steel - a nitrogen-strengthened stainless steel developed for applications requiring good level corrosion resistance and durability.

X-Wear® (Ceramic) - Smooth laminate surface provides optimum sliding for bulk material handling.

Armortex® AR - Hardcoat 450 Internal Skirtboard Liners protect your skirtboard and extend the life and effectiveness of your sealing compound.

Urethane Liners - We manufacture Urethane cast products as per customer requirement under strict confidentiality agreements with our customers, respecting any and all patents on the products they have designed and given us the opportunity to manufacture.

Available Conveyor Products:
- Urethane Lagged Pulleys & Rollers
- Urethane Classifier Shoes
- Urethane Hydroclone Liners
- Urethane Sheets & Linings
- Pipeline Products & Pigs

CONVEYOR BELTING
Continental ContiTech® 2-3

CONVEYOR PULLEYS
Martin Sprocket & Gear® Inc. 3

SCREW AND BUCKET CONVEYORS
Martin Sprocket & Gear® Inc. 4

BELT CONVEYOR IDLERS
Martin® Idlers 5
Symtron® Material Handling 5
Superior® 5

TRACKING AND SPECIALTY IDLERS
ASGCO® Tru-Trainer® Return and Troughing Idlers 6
Dura-Sleeve® Idlers 6
Slide-ers™ 6

BEARINGS, GEAR BOXES AND POWER TRANSMISSION PRODUCTS
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Our Mission...
Providing the World Material Handling Industry with Productive, Safe and Reliable “Complete Conveyor Solutions”

Engineered Conveyor Products & Services for Bulk Material Handling Systems

ASGCO® Manufacturing, Inc. headquartered in Allentown, PA is a leading manufacturer of proprietary bulk conveyor components and accessories that enhance material flow performance. Founded in 1971 by Alfred S. Gloe and his son Todd Gloe, ASGCO® believes in taking care of the customer with great products and exceptional service. This has been a successful and standard policy at ASGCO® for many years and will continue in the future.

ASGCO® is a diversified and innovative company with six major divisions that serve specific targets of the material handling industry. We market these innovative products and services through selected distributors, joint ventures, and representatives worldwide. The growth of the company, over the years, is due to rapid recognized improvements in the productivity of our customers operations. Every material handling system has conditions — either large or small, constant or intermittent, open or obscure — that an ASGCO® study can identify and improve. We also believe that a consulting study will provide improvements that will be worthwhile investments. That’s because, no matter what the basic assignment, we always seek ways to increase production and to reduce operating costs.

We typically start these services with a thorough on-site inspection to observe the operation and gather data. Next, we analyze and study the data and then search for additional information. The end result: recommendations for new procedures and improved equipment — all aimed at providing solutions that can be pragmatically implemented.

ASGCO® continues to be the leader of the traditional bulk materials industry. Every client can be assured that ASGCO® has the reputation on quality service and products. We promise that we will not just meet, but exceed your expectations in helping our customers increase production and reduce operating costs.

THE ASGCO® PROMISE - applies to every client, every time.
Always think and work in terms of solutions that are best for the customer in the long term.
Provide prompt, reliable service to every client, every time.
Develop and sell products that satisfy the practical working needs of our customers.

Rubber Scalloping Screens, Perforated Plates, Canoe Liners and Side Tension Screen Rails

The roll of screening in the processing flow is to size and separate material ahead of secondary and tertiary crushing circuits, and/or to size and separate material in preparation for final product stockpiling.

ASGCO® Rubber Screen Panels deliver unmatched precision performance — dependable production even under adverse high impact operating conditions, or when handling the most abrasive and coarse material types for dry screening.

ASGCO® rubber screens are custom-made to fit your existing application, giving you low maintenance costs and high efficiency in applications that are too severe for conventional wire decks.

Punch Plate Screens also available.

Screen Feed Box Liners
Screen Feed Box Liners are patterned for a direct replacement of the current liner configuration being used, or depending on the wear characteristics change the layout for maximum wear life. Liners have the ability to have various sized and shaped ceramics inserted to increase the longevity of the liner.

Screen Side Wear Liners
Screen Side Wear Liners are boxed in with mild steel or hard plate to prevent premature edge wear or damage. Bolt patterns, sizes, and thicknesses are fully customizable to increase the wear life for your operation. In house engineered to allow for an ease in duplicity.

Skirtboard Wear Liners (Urethane, Steel, Rubber, Ceramic)
Wear Liners protect your skirtboard and extend the life and effectiveness of your seals compound. Use the straight design where belts are fully loaded and full chute width needs to be maintained. The angled deflect plate wear liner will force larger material to the center of the belt.

Our Urethane Canoe Liners are engineered to absorb impact and abrasion in all types of material transfer operations. ASGCO® Ceramic Canoe Skirt Liners are highly effective for sealing inside the skirtboard, contain the material until it becomes stable and protecting the skirt wall from weasting.

Urethane Bucker Backer Bar Channels
Also refered to as funnel strip, bunk-up strip, funnel bar channel and chew bar channel. Lasts 5 times longer than conventional rubber lining.

Legs are tapered rigidly inward to aid in gripping the bunking up bar to prevent rolling.

- Available 3/4” and 5/8” channel in 4-ft lengths
- Durometer 82
- Abrasion Resistant
- Resists cuts and tears
- Impact Resistant
- Low Maintenance
- Easy Installation