

**Product Directory**  
Material Handling  
Solutions



# Conveying Equipment

For more than 125 years, the Link-Belt name has been the industry standard for excellence in bulk material handling. Whether it's bucket conveyors, screw conveyors and feeders, bucket elevators – or related conveyor components – Syntron Material Handling Link-Belt products have paved the way and set the standard for quality, dependability and efficiency. Our design engineers and vast production experience are what “make the difference” and are the key to our unmatched ability to solve problems.

All Syntron Material Handling Link-Belt conveyor products meet or exceed CEMA standards and all Link-Belt equipment is produced to conform with OSHA operational safety standards.

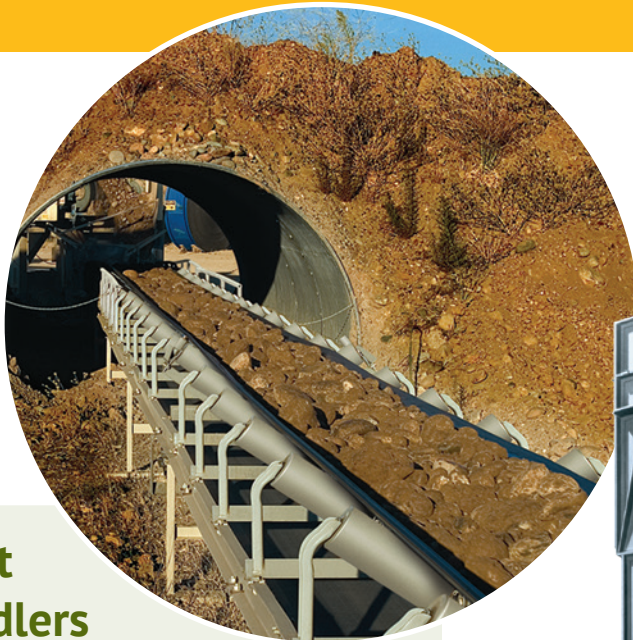


## Link-Belt Conveyor Idlers

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

- Types and sizes that meet or exceed CEMA B, C, D, E and F series requirements for capacity, belt width and condition of service
- Retrofit availability
- Advanced sealing system
- Double sealed, ball bearing designs as well as precision tapered roller bearings
- ES Series (Extreme Service) idlers for Canadian OilSands





## Link-Belt C2000 Idlers

### New Ball Bearing Idlers

- Inventory in Stock for Quick Delivery
- Interchangeable Idler Assemblies
- Maintenance Free Sealed Ball Bearings
- Custom Powder Coating
- Value Priced with CEMA C Performance Ratings

## Link-Belt Bucket Elevators

Link-Belt Bucket Elevators are designed to meet the requirements of many different materials and operating conditions. Designs include:

- Centrifugal action discharge models used for free-flowing, fine to medium-size lump materials
- Gravity discharge models such as continuous bucket, internal discharge and positive discharge units used for difficult-to-convey materials
- Chain or belt-mounted options



## Link-Belt Elevator Buckets

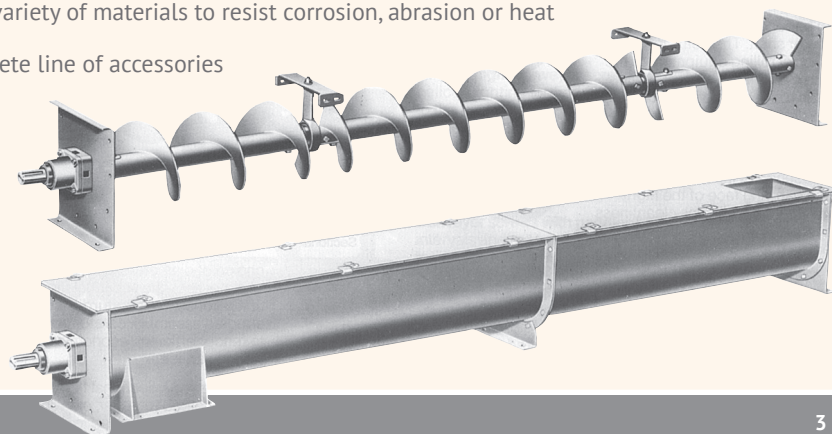
A wide selection of genuine Link-Belt replacement buckets is available.



## Link-Belt Screw Conveyors

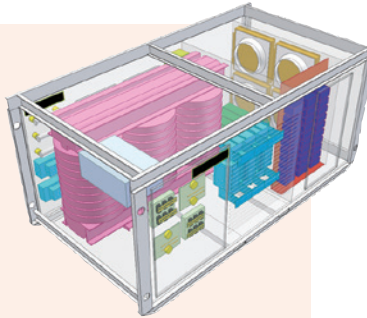
A traditional and simple way to convey bulk materials, Link-Belt Screw Conveyors are perfect for batching, mixing and blending applications. Features include:

- A compact design that is easily adapted to congested areas
- Flexible mounting: horizontal, inclined or vertical
- A wide variety of materials to resist corrosion, abrasion or heat
- A complete line of accessories



# Underground Mining

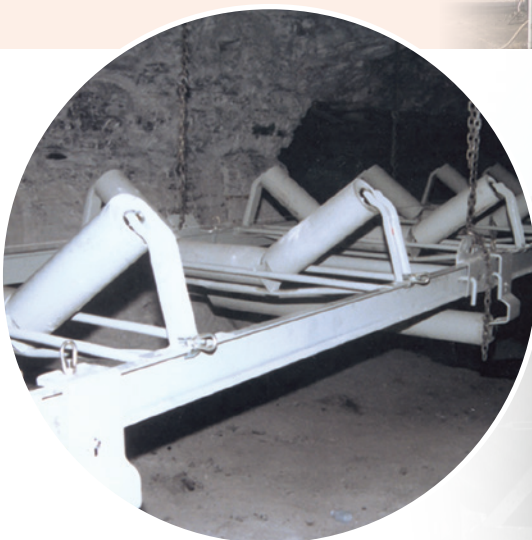
Syntron Material Handling conveyor systems feature the most significant technical advances in over 40 years offering energy efficient electric drives, second-to-none terminal and power transmission components and LinkBelt conveyor structure. This winning combination of products and services will **reduce your system downtime while increasing your conveyor uptime and availability.**



- Modular VFD Drive Enclosures that can be used throughout the mine in a multitude of power combinations
- Multi-task fully universal controllers built to interface with existing mine control systems
- Fully automated, constant tension, electric winch designs that meet or exceed industry velocity standards
- Tension controlled, variable torque, booster drive systems with Syntron Material Handling Flex-location drive base adapter equipment
- High performance, trouble free take-up and storage units that are designed to last in the most rugged mining applications
- Custom engineered LinkBelt terminal products are independently designed to meet your individual mine requirements
- All Syntron Material Handling Underground equipment is manufactured using the best materials thus providing a **robust design** built to last



Syntron Material Handling is your single source supply for all of the equipment required to operate your conveyor systems with the best uptime performance in the industry. Our fully electric conveyor systems are designed to meet the specific needs of your mining operations regardless of material type and capacity requirements.



# Heavy Industrial Equipment

## Syntron Heavy-Duty Vibrating Feeders

Ideal for feeding a wide variety of bulk materials from storage piles, hoppers, bins and silos, Syntron Heavy-Duty Vibrating Feeders:

- Offer rugged, low-maintenance reliable construction
- Are proven in the harshest environments including mining, aggregates, glass, cement, chemicals and metals
- Are available in electromagnetic and electromechanical models; these highly efficient feeders have capacity ranges from 75 to 4,000 tons per hour

**Syntron Heavy-Duty Electromagnetic Feeders** are ideal for:

- Applications requiring efficient, low-maintenance feeding of bulk materials in densities ranging from 6 to 400 pounds per cubic foot
- Maximum capacities to 1,800 tons per hour
- Available with a variety of trough styles and sizes

Designed with two-mass, spring-coupled eccentric-weight excited vibrating systems, **Syntron Heavy-Duty Electromechanical Feeders** are ideal for:

- Applications designed to feed a variety of bulk materials at a fixed or controlled rate of feed at maximum capacities to 4,000 tons per hour
- A variety of trough sizes, trough liners and skirt boards (available in 10 models)

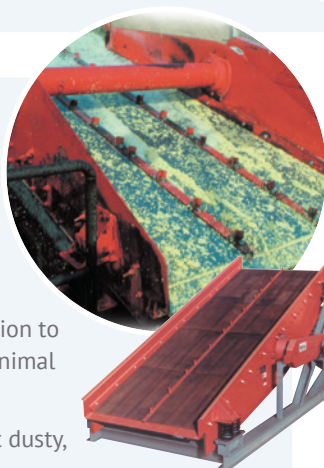
Syntron Heavy-Duty Vibrating Feeders are proven performers for feeding a wide variety of bulk materials from storage piles, hoppers, bins and silos. Rugged and low-maintenance, Syntron heavy-duty feeders can be relied upon in the harshest environments. Material feed rates are controlled with variable voltage Syntron controls. A wide range of standard and custom models is available.



## Link-Belt Vibrating Screens

Designed for effective, efficient solutions for difficult screening challenges in heavy industrial, food processing and glass and sewage treatment industries, Syntron Vibrating Screens feature:

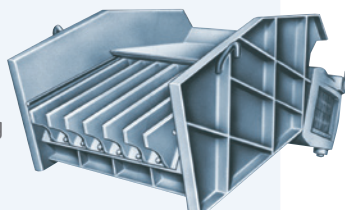
- Vigorous high-speed elliptical and/or circular vibration to keep loads lively for accelerated separation with minimal plugging and blinding
- Fully enclosed units available for protection against dusty, corrosive or toxic materials



## Syntron Grizzly Bar Screens

Designed for efficient scalping and controlled feeding, Syntron Grizzly Bar Screens are ideal for dozens of screening applications.

- Remove large foreign objects from volume flow
- Use positive vibration to prevent clogging
- Bypass fine particles that clog or slow down crushing and reducing operations
- Bar spacing available from 1 inch to 12 inches



## Syntron Crusher Loading Feeders

- Mechanical style vibratory feeder with a peripheral discharge
- Trough fully lined to account for wear
- Higher crusher productivity
- Improved fracture ratio
- Uniform material discharge directly to the crusher



# Light Industrial Equipment

## Syntron Volumetric Feeder Machines

Total dry bulk material handling control in feeding, blending and packaging applications. Economical, efficient units come complete with supply hopper, hopper vibrator, vibrating feeder, variable speed control and supporting frame.

- Choice of mild or stainless steel supply hoppers
- Adjustable gate height to regulate material depth on trough (most models)
- No moving parts – virtually noiseless operation
- Dust-proof, dust-tight and waterproof construction available
- Timers available to provide intermittent feed capability



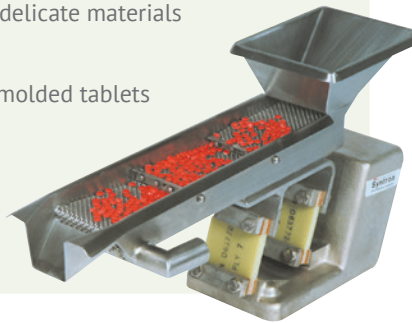
Look to Syntron Material Handling for exceptional value and performance in bulk material handling. For more than 70 years, we've been providing Syntron material handling solutions for a wide range of markets, industries and applications. Proven, low maintenance and built to last, our Syntron line sets the standard for quality, performance and reliability in bulk material handling.



## Syntron Screening Feeders

Ideal for efficient sizing, screening, dewatering and dedusting of fine mesh materials.

- Four models available
- Electromagnetic design enables the handling of delicate materials with minimal product degradation
- Special stepped screens available for dedusting molded tablets
- Variety of screening surfaces including woven wire cloth, profile wire or perforated plate
- Covers available for dust-tight or weather-tight applications



## Syntron Vibra-Drive Units

Small compact electromagnetic drive units (no troughs) encased in dust-tight housings.

- Provide directional vibratory conveying movements to a track, trough or any responsive surface
- Consistent, controlled delivery in packaging and product handling applications
- 10 models available
- Easily adjustable, including external tuning on most models
- Separate control required to operate and to adjust material flow

## Syntron Light-Capacity Feeders

The industry standard – these feeders provide controlled feed or metering of bulk materials. Typically used in feeding, mixing, blending, batching, packaging, freezing, screening, sizing, dedusting, dewatering and drying applications.

- Electromagnetic design for excellent durability and reliability
- No mechanical parts that require lubrication
- 12 models with a variety of troughs
- Easily adjustable, including external tuning on most models
- Conform to OSHA noise standards and can be provided in accordance with FDA or USDA specifications
- Separate control required to operate and to adjust material flow
- Capacities range from 1,250 pounds to 20 tons per hour



## Syntron Paper Joggers

Syntron Paper Joggers are found throughout the world in newspaper operations, banks, printing shops, post offices, catalog operations, mailrooms, offices, binderies, label manufacturing operations, department stores and computer operations.

### Fast and efficient

- 3,600 vibrations per minute, at 60Hz operation, aligns paper within a few seconds
- Rheostat control enables operator to easily adjust vibration intensity (strength) to match the grade of the paper stock

### Advanced Design

- Electromagnetic design allows continuous operation (eliminates overheating unlike motor-driven units)
- Reduces downtime, time-consuming maintenance and repairs



### Proven Reliability

- Customers enjoy many years of reliable, maintenance-free service

### Quality

- Units warranted to be free of defects in material and workmanship for one year from date of shipment

### Safety

- Units are self-enclosed, eliminating exposed drive parts
- Electromagnetic design eliminates sparking or burn-up associated with overheating

## Syntron Bin Vibrators

Electromagnetic, rotary electric or pneumatic models maintain free flow of bulk materials from bins, hoppers and chutes. Effective, efficient product flow solutions for dozens of industry applications and environments.

- Constant, uninterrupted material flow eliminates need for manual manipulation
- Designed for years of high-performance, trouble-free continuous or intermittent operation
- Separate control may be required for operation



## Syntron Vibrating Conveyors

Transfer a wide variety of bulk materials along a trough with a uniform, consistent flow.

### Flexmount Oscillating Conveyors –

Light to medium-duty applications.

- Flat springs
- Used in chemical, forest products and metal processing industries

### Coilmount Oscillating Conveyors –

Large capacities of low to high density materials.

- Coiled springs
- For free-flowing, sticky or fragile material applications
- Can be modified for screening, scalping, spreading and dewatering applications



## PowerPulseWT

### Enhanced Circuit Board

- UL certified
- CUL certified
- Available in 115 and 230 volt 50/60 HZ

### Type 4X Enclosure

- Corrosion resistant polycarbonate
- Water and dust tight design
- For indoor and outdoor use



# Syntron Material Handling

## Corporate Office

P.O. Box 1370

Tupelo, Mississippi 38802

Phone: 662.869.5711

Fax: 662.869.7449

## Proven Engineered Products – Complete Material Handling Solutions

**Syntron®**

**Link-Belt®**

### Saltillo

2730 Hwy 145 South  
Saltillo, Mississippi 38866

Phone: 662.869.5711

Fax: 662.869.7493

Toll Free: 800.356.4898

info@syntronmh.com

### Changshu

#2 Road No. 1

Changshu Export Processing Zone

Changshu, Jiangsu, China 215513

Phone: +86 0512.52299002

Fax: +86 0512.52297228

info@syntronmh.com

