



**BULK CONVEYOR SYSTEMS**  
FAST. SMOOTH. EFFICIENT.



FOR INDUSTRIAL MANUFACTURING

## BUCKET ELEVATORS

Bucket elevators are designed to move flowing powders or bulk solids vertically. A series of buckets mounted on chain or belt operating over a sprocket or pulley is the typical elevator configuration. Take-ups are provided as a means to compensate for variation in conditions, or belt or chain wear. A steel casing encloses the bucket line. Boot sections can be designed for various angles and heights of inlet material. Discharge hoods can be designed to accommodate specific customer applications.



*Every bucket elevator application is unique, and Orthman Conveying Systems offers a broad series of elevator designs to meet your industrial needs.*

## CENTRIFUGAL BUCKET ELEVATORS

Most commonly used system to convey all free-flowing powdered solids, such as coal, sand, minerals, grains, lime, sugar, aggregates, chemicals, etc.



## CONTINUOUS BUCKET ELEVATORS

Buckets are spaced continuously and operate at slower speeds. This continuous bucket placement allows force of gravity to discharge their load onto the inverted front of the proceeding bucket. The bucket then guides that material into the discharge throat on the descending side of the elevator.

Both Centrifugal and Continuous Bucket Elevators can be constructed of carbon or stainless steel. Buckets can be constructed of ductile iron, nylon, carbon steel, and stainless steel. Both types of elevators are available using either chain or belt.

*Selection of the proper type of elevator depends largely on the characteristics of the material handled, and the capacity requirements.*



## SCREW CONVEYORS

Industrial and food grade screw conveyors are available for conveying a variety of different materials.

Orthman Conveying Systems offers a full line of screw conveyors and components, including water-jacketed heat-transferring models and multiple screw "live bottom" type feeder units.

Orthman Conveying Systems' screw conveyors and components are ruggedly built, meeting all CEMA specifications.

Studied attention to detail during the building process eliminates costly installation and operation errors.

Heavy-duty construction reduces maintenance and extends the life of all equipment Orthman Conveying Systems sells.



*Meeting our client's performance expectations with quality machinery is our number one goal.*



## DISCHARGE GATES

Orthman Conveying Systems provides the following types of discharge gates.

- Air Operated
- Rack & Pinion
- Electric
- Hydraulic
- Hand Slide





## BELT CONVEYORS

Orthman Conveying Systems' experience in handling products such as sand, gravel, grain, coffee, minerals, etc. will insure a properly sized conveyor for handling any bulk material.

Orthman Conveying Systems will design and manufacture complete systems using either standard or special parts to meet your exact needs.



**OUR BOTTOM LINE IS  
YOUR BOTTOM LINE!**

*Orthman Conveying Systems will give you exactly what you need to improve your industrial productivity.*

**[WWW.CONVEYUSA.COM](http://WWW.CONVEYUSA.COM)**



601 Bus. Loop 70 West, Suite 152  
Columbia, MO 65203

Fax: (573) 443-2413

**(573) 443-2144**

**Toll Free: 800-642-9551**

