

# BUCKET ELEVATORS & CONVEYORS



FRAZIER & SON

*We Convey Quality!*



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Frazier & Son manufactures quality bucket elevators and conveyors, and will integrate entire systems, centered around the Whiz-Lifter conveyor, to meet customers specifications and exceed their expectations. A high quality product, application knowledge and superior customer service has kept our customers coming back time and time again.

## BUCKET ELEVATOR FEATURES:

- ✓ Bucket conveyor frames constructed with 12 gauge Type 304 stainless steel with a 2B mill finish
- ✓ All framework and components mounted on stand offs and spacers
- ✓ Product contact points, other than buckets, are all stainless steel
- ✓ Stainless steel shafts
- ✓ Premium carbon steel conveyor chain
- ✓ Continuous, splatter free TIG welds throughout

**“** *The equipment is installed and running perfectly. It is the best production line in our plant. The system has reduced our costs by at least \$100,000 annually while increasing production by 36% and delivering a better product because of its gentle handling process.*

**Jeremy Kaye**  
Madeline Chocolate



# FRAZIER ADVANTAGES

## QUALITY FABRICATION

- ✓ Totally enclosed 304 stainless steel frames, doors, and covers
- ✓ Precise fabrication using state-of-the-art laser cutting technology
- ✓ Stainless steel hardware and aircraft lock nuts, no split lock washers

## VERSATILITY - MULTIPLE FEED & DISCHARGE DESIGNS

- ✓ Feed multiple inline packaging machines with a single bucket elevator
- ✓ Feed multiple infeed points into a single packaging machine
- ✓ Indexing drives available for kit or food product assemblies
- ✓ Used in process or packaging applications

## GENTLE ELEVATING AND CONVEYING

- ✓ Ideal for finished products prior to packaging
- ✓ Minimal product degradation
- ✓ Interlocking bucket design at product fill area
- ✓ Transitions at infeed and discharge to ensure gentle, uniform feed

## INNOVATIVE DESIGNS

- ✓ Small footprint saving valuable plant floor real estate
- ✓ Custom designed and built to meet specific project requirements
- ✓ Custom controls to integrate a variety of equipment
- ✓ Transition chutes, vibratory feeders and storage hoppers

## SAFETY FEATURES

- ✓ All covers and guarding require tools to open
- ✓ Captive, hinged stainless steel doors and hinged catch pans
- ✓ Safety interlocking switches and two-hand jog stations available

## WET WASHDOWN OPTIONS

- ✓ Washdown Duty Motors and Gear Reducers
- ✓ Stainless steel chain, bearings, sprockets
- ✓ Water-shedding roof and washdown tracking
- ✓ NEMA 4X electrical enclosures and Stainless Steel Conduit

## EASE OF MAINTENANCE

- ✓ Stainless steel take-up units are spring loaded for simple, accurate chain tensioning
- ✓ Stainless steel non-adjustable cams and guides for maintenance free bucket tracking

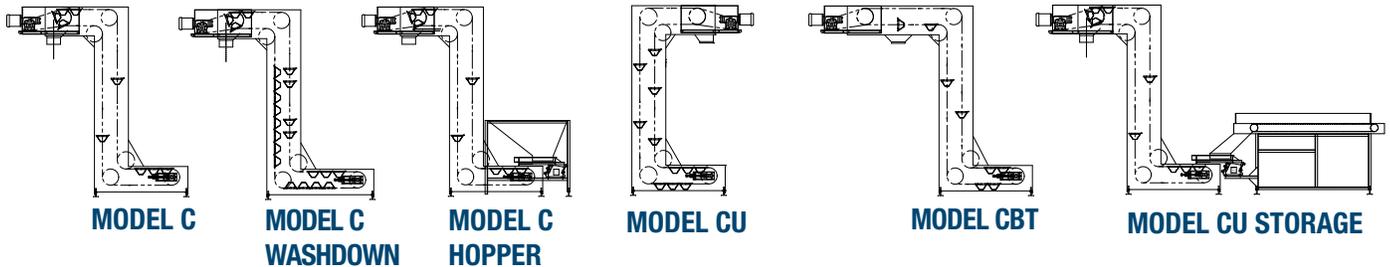
## BUCKET MATERIAL OPTIONS

- ✓ Wide variety of bucket materials available including polycarbonate, polypropylene, metal impregnated polypropylene, and stainless steel buckets.
- ✓ Dimpled and textured metal surfaces are available for sticky products



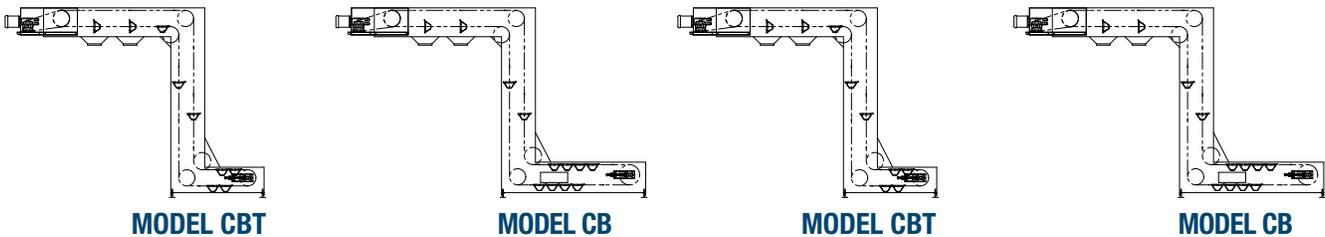
# SINGLE DISCHARGE BUCKET CONVEYORS

Single discharge bucket conveyors are an efficient method of conveying and elevating product from Point A to Point B. Multiple infeed points to a single discharge can be included in the single discharge design. In the single discharge bucket elevator design utilizing two infeed points, the user can, for example, elevate and convey two separate products into one bulk bag. The Model C or Model CU bucket elevators are exclusively single discharge; where as the other configurations (Model CBT, CB, and CBT-U) can be used in the single discharge and the multiple discharge design.



# MULTIPLE DISCHARGE BUCKET CONVEYORS

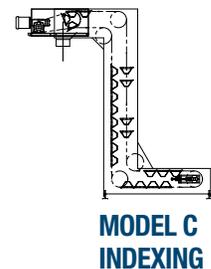
Multiple discharge bucket conveyors can convey and elevate product to many locations, for example, feeding a number of bagging or packaging machines. Multiple infeed points can be utilized in this bucket conveyor design as well, creating a cost effective alternative to multiple conveying machines. Model CBT, Model CB, CBT-U configurations can be used in the multiple discharge design.



# INDEXING BUCKET CONVEYORS

Indexing bucket conveyors are unique in design and function. Indexing bucket conveyors are timed to accept a measured amount of product in each bucket, and then discharge product in a packaging machine. For example, accepting a set of game pieces that are to be packaged and included in each end users' board game (red piece, yellow piece, green piece, and blue piece, then one dice) and elevating them into a packaging machine, discharging the pieces in sync with the feeding device and the packaging machine. Model C configurations are used in the indexing design.

Wet Washdown versions are available.



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