

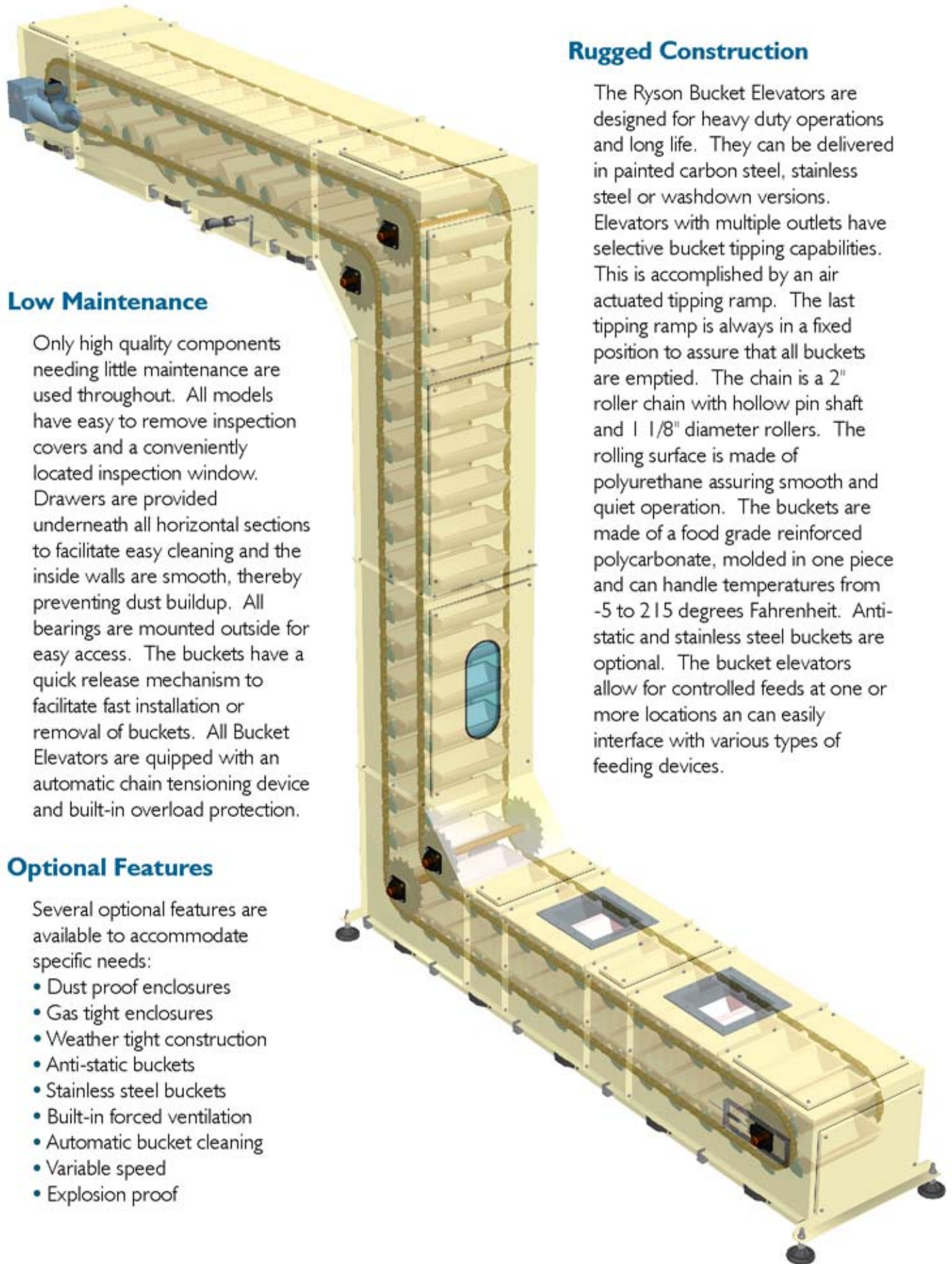
# Bucket Elevators

Vertical Conveying Solutions



**RYSON**  
INTERNATIONAL, INC

# Bucket Elevators



## Low Maintenance

Only high quality components needing little maintenance are used throughout. All models have easy to remove inspection covers and a conveniently located inspection window. Drawers are provided underneath all horizontal sections to facilitate easy cleaning and the inside walls are smooth, thereby preventing dust buildup. All bearings are mounted outside for easy access. The buckets have a quick release mechanism to facilitate fast installation or removal of buckets. All Bucket Elevators are quipped with an automatic chain tensioning device and built-in overload protection.

## Optional Features

Several optional features are available to accommodate specific needs:

- Dust proof enclosures
- Gas tight enclosures
- Weather tight construction
- Anti-static buckets
- Stainless steel buckets
- Built-in forced ventilation
- Automatic bucket cleaning
- Variable speed
- Explosion proof

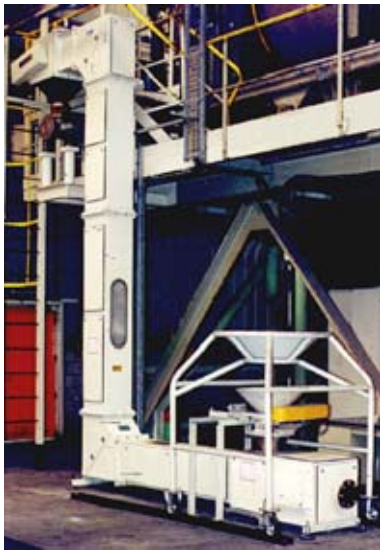
## Rugged Construction

The Ryson Bucket Elevators are designed for heavy duty operations and long life. They can be delivered in painted carbon steel, stainless steel or washdown versions. Elevators with multiple outlets have selective bucket tipping capabilities. This is accomplished by an air actuated tipping ramp. The last tipping ramp is always in a fixed position to assure that all buckets are emptied. The chain is a 2" roller chain with hollow pin shaft and 1 1/8" diameter rollers. The rolling surface is made of polyurethane assuring smooth and quiet operation. The buckets are made of a food grade reinforced polycarbonate, molded in one piece and can handle temperatures from -5 to 215 degrees Fahrenheit. Anti-static and stainless steel buckets are optional. The bucket elevators allow for controlled feeds at one or more locations and can easily interface with various types of feeding devices.

## Vertical Conveying Solutions

Ryson International, Inc. specializes in vertical conveying solutions, including bucket elevators, spiral conveyors, spiral curves and incline conveyors.

The Ryson Bucket Elevators combine vertical and horizontal transportation of bulk material in one integral unit. They are of the total enclosed pivoting bucket type and can have multiple inlets and outlets.



## Gentle Handling

The Bucket Elevators are designed for gentle handling and quiet operation. The buckets facilitate transportation of measured quantities and are available in several sizes. The buckets are overlapping at the infeed and remain in an upward position until emptied, thereby preventing spillage.

## Many Uses

The Ryson Bucket Elevators are very well suited for a broad range of bulk products in the food, agriculture, pharmaceutical, cosmetic, chemical, ceramic, glass, recycling, building and metallurgical industries and others requiring gentle handling.



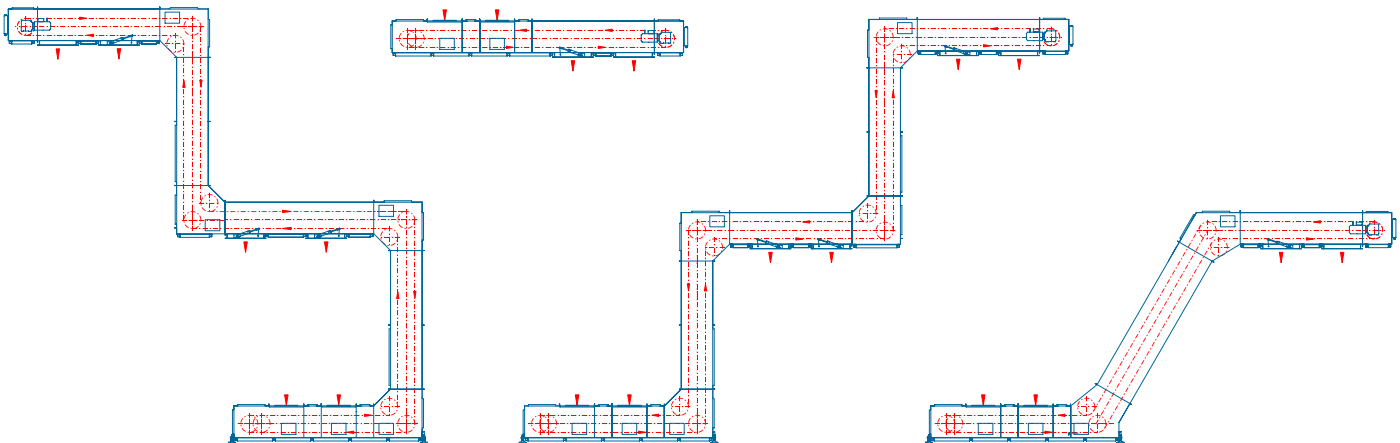
## Several Models

Four standard models are available, sized to handle capacities of up to 350, 830, 2000 and 2800 cubic feet per hour. Ryson also recognizes that many of our customers have needs outside our standard models. We are therefore prepared to customize and find individual solutions for our customers.

## Modular Design

The modular design accommodates a wide range of configurations and makes the elevators easy to install and modify. The most common configurations are the C and Z versions, depicted on the back cover. Many other configurations are possible, some examples are shown below.

## Configuration Examples



# Request for Quotation

Fax to (315) 986-3613

Company: \_\_\_\_\_

Date: \_\_\_\_\_

Address: \_\_\_\_\_

Phone: \_\_\_\_\_

Requested by: \_\_\_\_\_

Fax: \_\_\_\_\_

E-mail: \_\_\_\_\_

Material to be handled: \_\_\_\_\_

Capacity \_\_\_\_\_ lbs./hr. Bulk Density \_\_\_\_\_ lbs./cubic ft.

Particle size (inches): Less than  1/4  1/2  1  2  3  Other

Abrasive:  Yes  No

Dynamic Angle of Repose:  Under 10°  0° to 20°  More than 20°

Is the Material difficult to discharge?  Yes  No Does the Material compact?  Yes  No

Operating Temperature: Avg. \_\_\_\_\_ °F Max. \_\_\_\_\_ °F

Configuration:  "Z"  "C"  Other \_\_\_\_\_

Number of Inlets: \_\_\_\_\_ Number of Outlets: \_\_\_\_\_ Height of Lift (HL): \_\_\_\_\_

Distance to First Outlet (FO): \_\_\_\_\_ Distance to Last Outlet (LO): \_\_\_\_\_

Distance to First Inlet (FI): \_\_\_\_\_ Distance to Last Inlet (LI): \_\_\_\_\_

Distance between outlets (if more than 2): \_\_\_\_\_

Distance between inlets (if more than 2): \_\_\_\_\_

Finish:  Painted Carbon Steel  Stainless Steel  Washdown

Power Supply: \_\_\_\_\_

Options: \_\_\_\_\_

Special Requests: \_\_\_\_\_

