

**Vertical Conveying Applications for Industrial and Manufacturing Companies.** Ryson Equipment is well suited for industrial applications. They have a strong uptime record and can help solve production layout challenges.

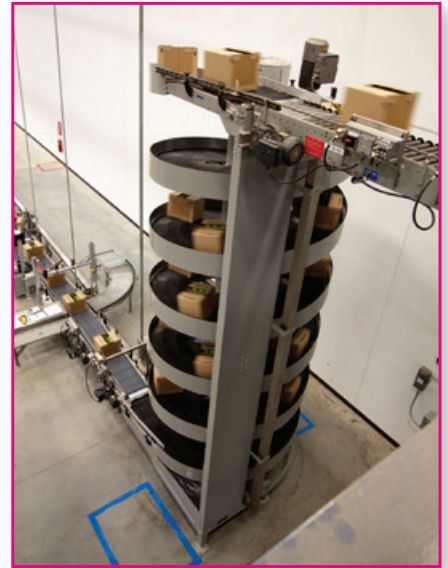
Manufacturing companies are often looking for reliable and flexible equipment that performs its duties with little to no interruptions for maintenance or change-parts. They need to reliably move items from one area of production to another quickly, efficiently and without interruption.

Often times machinery is so specialized, that conveying from one process to another is a lower priority in the design plan. Then when it comes time to layout the product flow, there isn't any floorspace available. That is where Ryson equipment comes into play.



**Spiral Conveyor:**

Ryson Spiral conveyors are a very efficient vertical conveyor that takes up very little floorspace. They are often used to transport product from production to the packaging area – sometimes on a different level. They integrate well with horizontal conveyors, and can also be used to add drying, cooling or curing time to a process. Depending on the shape, size and weight, Ryson has a highly configurable solution for your vertical conveying needs.



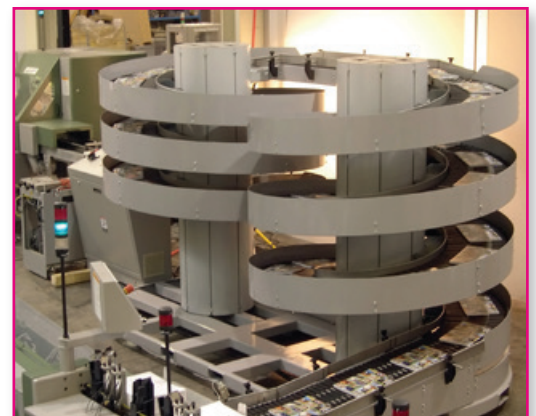
**Bucket Elevators:**

Ryson also manufactures a completely enclosed bucket elevator that can transport bulk materials to – or from – your processing area. Often times they are utilized to deliver granular items to a smelting or mixing operation or to transport by-product waste to a disposal or recycling area. They also have a great design advantage in that they can be configured to have multiple inlets or discharge points allowing a single unit to deliver to several different locations. For example a single Bucket Elevator could feed multiple hoppers.



**Vertical Accumulation:**

Spiral Conveyors can also be used for vertical accumulation when two spirals are configured in a “one up, one down” array. This design can be used in operations where product needs to be cooled, or cured. It can also be used as a time buffer if some piece of equipment downstream goes down. You can simply divert the product onto the buffer loop, and reintroduce the product after the problem has been addressed.



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for more information

## CLASSIC APPLICATION EXAMPLES

### From Process to Storage:

Spiral Conveyors can be used to transport materials from a process to a storage or packaging area. Our conveying surface can handle temperature up to 180°F so they are frequently used to convey hot material slowly, allowing the product to cool or cure during transit. Because the conveying surface in a Ryson spiral rolls on its support structure, rather than sliding, the spiral can start and stop as often as required, even fully loaded, allowing product to be indexed, slowing and surging to balance product flow on the production line.

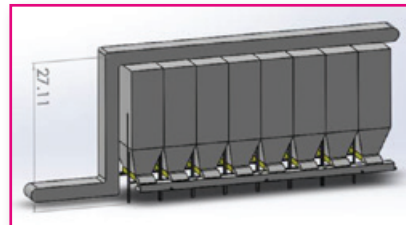


### Overhead Transportation:

Another common application for Spiral Conveyors is to transport parts or sub-assemblies to a different part of the building. To save production floorspace this transportation may happen overhead or even on a different level of the building. This is also beneficial because it helps prevent long-locking different areas of the production area.

### Feeding Multiple Hoppers:

Our Bucket Elevators are ideally suited to deliver granular materials to hoppers or mixers. They can also be configured to have multiple individually selectable discharge stations. This flexibility allows a single Bucket Elevator to feed multiple stations at different locations.



No matter what your process is, and what you manufacture, Ryson equipment is the go-to solution for conveying vertically – with a very small footprint. The Ryson modular design has been field tested for decades and has proven to be a reliable, and efficient solution to vertical conveying – with a track record of superior up-time and low maintenance.



## VERTICAL CONVEYING SOLUTIONS. WORLDWIDE.

Ryson is a member of the **Royal Apollo Group**, established in 1847 and headquartered in the Netherlands. Ryson manufactures in USA and supports North America. We have manufacturing in Netherlands, USA, and Thailand with service operations in Netherlands, USA, Thailand, China, India, and Mexico. As one global company, we are the world's leader in Vertical Conveying!

REV 6/23

