

Vertical Accumulation

More Time with Vertical Space



Configure two Ryson Spirals to preserve valuable floor space while sending product overhead for overhead dynamic storage or buffering. The Ryson Accumulation Buffers can be used to provide dynamic storage where products need time for cooling, drying or curing. Additional dynamic buffer storage capacity can be obtained by adding pairs of spirals.

Easy to Install:

Most Spirals are shipped in one piece, pre-assembled and pre-tested, drastically reducing time and cost of installation.

Modular Design:

Our unique design offers flexibility of configuration. It also adds the ability to field modify to accommodate changing future needs at a fraction of the cost of a new conveyor.

Low Maintenance:

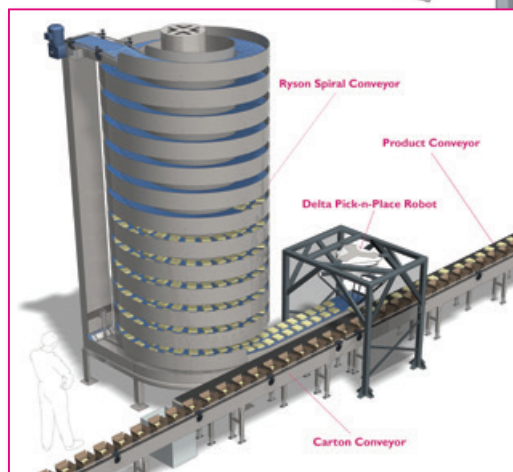
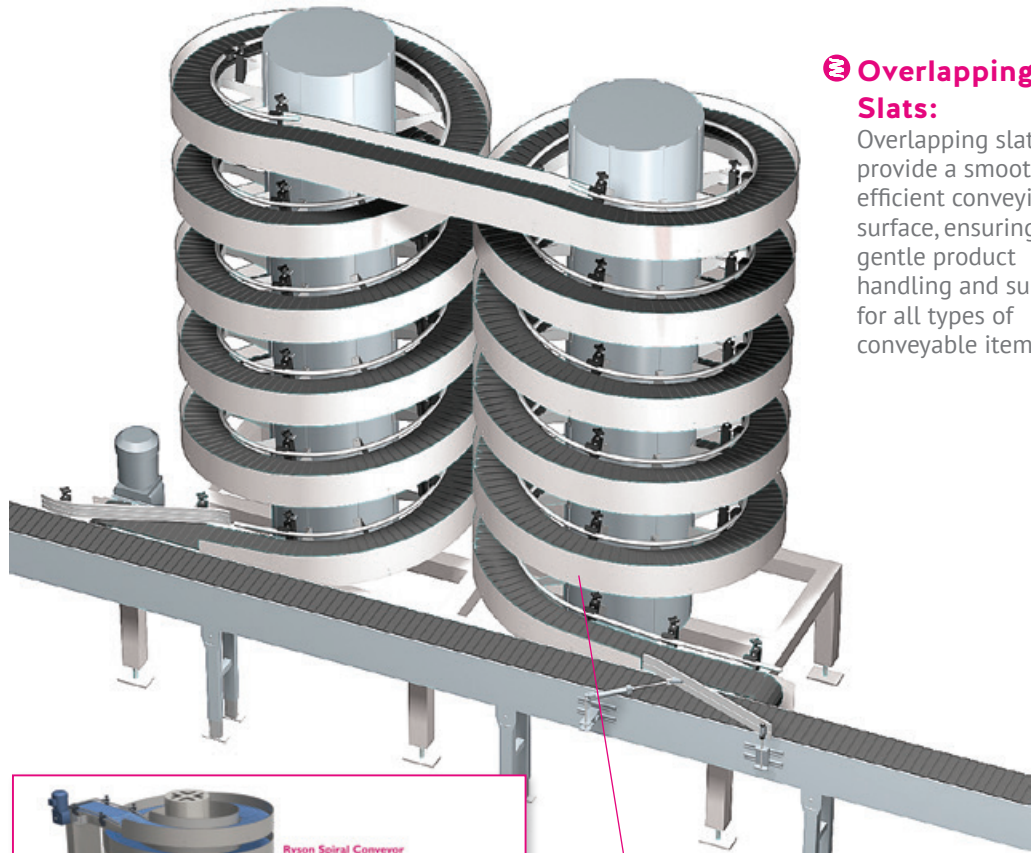
Our Spirals and components are designed for reliability, low maintenance and long life. They have an impressive up-time record reducing the total cost of ownership.

Built-in Protection:


All Ryson Spirals are equipped with an automatic chain tensioning device and built-in overload protection ensuring safe and reliable operation.


Overlapping Slats:

Overlapping slats provide a smooth and efficient conveying surface, ensuring gentle product handling and suitable for all types of conveyable items.



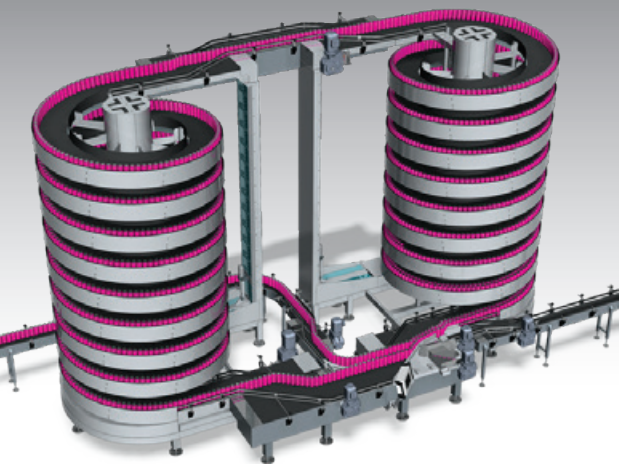
 **Finishes:** Ryson Spirals are available in powder coated carbon steel, stainless steel wet, hybrid and freezer versions.

 **Dynamic Buffering:** The Ryson Spiral Conveyor can be used in conjunction with a robotic pick and place module for dynamic buffering. The spiral can index up during surges, and index down during gaps in production.

 **Controls and Integration:** Most Spirals are shipped without controls because they typically integrate with an overall conveyor control system. We do offer a number of controls and pre-wiring options. A Variable Frequency Drive (VFD) is required for proper operation of the spirals.



Scan or Click
for full details



Quick Facts:

Top Speed:	200 FPM*
Max Height:	45"
Slat Width:	6" - 20"
Weight Capacity:	50 lbs/lin foot
Total Weight:	Up to 1800 lbs
VFD Required:	Yes
Optional Controls:	Yes
Custom Options:	Yes
Color Options:	RAL colors
Incline Angle:	Up to 12.5°

* Depending on model, incline angle and operation

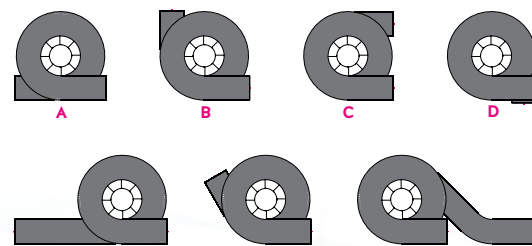
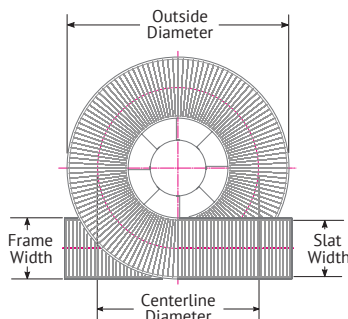
Configurations:

All Ryson Spiral Conveyors are available in several standard versions to accommodate a wide range of loads and applications.

- The Spiral Conveyors can be configured to go up or down, clockwise or counter-clockwise and can optionally be reversible.
- All models can be built with extended infeed or outfeed tangents, making our Spiral Conveyors an easy to fit and help simplify the most challenging of layouts.

Additional Vertical Storage:

The Ryson Vertical Accumulation Spiral can be used in conjunction with an accumulation table to create a greater flow capacity.



Examples of custom/extended tangents

Type	Outside Diameter	Centerline Diameter	Slat Width	Frame Width
1100-150-NT	4'-2" (1270)	3'-8" (1100)	6" (150)	6" (160)
1200-230-NT	4'-9" (1450)	3'-11" (1200)	9" (230)	9" (230)
1200-300	5'-3" (1600)	3'-11" (1200)	12" (300)	15" (380)
1300-400	5'-11" (1800)	4'-3" (1300)	16" (400)	19" (480)
1500-400	6'-7" (2200)	4'-11" (1500)	16" (400)	19" (480)
1800-400	7'-7" (2300)	5'-11" (1800)	16" (400)	19" (480)
1600-500	7'-3" (2200)	5'-3" (1600)	20" (500)	23" (590)

Powder Coated Carbon Steel

Part	Specifications
Frame	Coated aluminium tube with galvanized load arms
Chain configuration	Nickel plated chain, carbon steel bearings
Finish	Powder Coated in most RAL colors

Stainless Steel Hybrid (Dry)

Part	Specifications
Frame	Coated aluminium center tube zinc plated load arms
Chain configuration	Nickel plated chain, carbon steel bearings
Finish	Stainless steel base frame, legs & side guards.

Stainless Steel (Wet)

Part	Specifications
Frame	Stainless steel or coated aluminium tube depending on model. Stainless steel base frame, load arms & fasteners.
Chain configuration	Nickel plated chain with stainless steel sealed bearings
Finish	Stainless steel base frame, legs & side guards.

Typically Conveys:



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!

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