

Recommended Preventative Maintenance Program

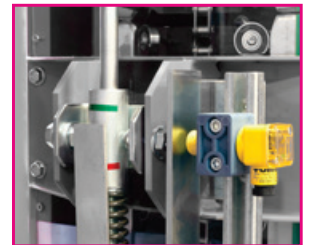
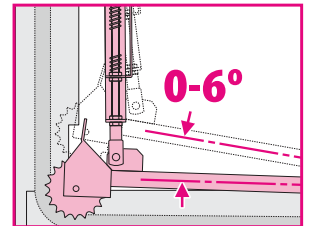
The Ryson Spirals require little maintenance. The bearings are lubricated for life and the chain requires infrequent lubrication. The chain will stretch during operation and needs to be shortened occasionally.

Daily:

1. Inspect chain and replace any damaged or missing parts. Do not run the spiral with missing parts.

Weekly:

1. Check the chain tension. Shorten the chain when needed. The chain may have to be shortened within the first 200 hours of operation (see the chain shortening instructions in the manual).
 - The chain tension bar should operate at an angle between 0° and 6°. The chain needs to be shortened when the tension bar is at or below 0° (horizontal).
 - **Spirals with spring tensioner** - Check the spring compression. The compressed spring should measure 140mm. The tensioner flag should operate between the red and the green markers.
 - **Spirals with air operated tensioner** - Check the tensioner air pressure. For the forward direction (up) the pressure should be set at 15 PSI, and the reverse direction (down) at 20 PSI. Larger units may need higher pressure to achieve proper tension - consult your owners manual.
2. Check the transition rollers and holders. All rollers should turn freely and be adjusted to the correct height for smooth transitions. All hardware should be tight.
3. Check speed matching. The in-feed, spiral and out-feed conveyors must be running at the same speed.
4. Check the guide rails for proper position. All hardware should be tight.



Monthly:

1. Check the chain tensioner and safety circuit for functionality. Fault out the slack chain proximity sensor. The spiral and the infeed conveyors should stop immediately and **not** automatically restart.
2. Check the overload protection device and safety circuit for functionality. Fault out the overload proximity sensor. The spiral and the in-feed conveyors should stop immediately and **not** automatically restart.
3. Check the outfeed jam sensor for functionality. Loads should not back up into a running spiral. The spiral and the infeed conveyors should stop immediately.



Quarterly:

1. Check the chain and sprockets for wear and lubrication. Apply lubricant only when required, and apply sparingly to prevent dripping and buildup. Do not lubricate plastic parts. We recommend the use of a spray application (see photo) or a brush on method.

Every 2 years:

1. Change oil in the motor gearbox.

Please refer to the maintenance manual for more details. The Ryson Service Department is always available to assist with installation and service questions. Feel free to call 757.898.1530 or e-mail service@ryson.com with questions.





Ryson Spare Parts Kit

Having spare parts on site is crucial to the speedy repair of an unforeseen incident and getting a line back up running in a timely manner.

What is a Spare Parts Kit?

A **Spare Parts Kit** is a small number of items that are most likely needed if an issue were to occur with a spiral in the field, or when running at an end user facility. The list of parts is quite short, and the cost is very low compared to the cost of lost production due to downtime.

Ryson takes pride in manufacturing the highest quality spirals worldwide, but quality cannot account for unforeseen issues. A small investment now could pay for itself ten-fold over the life of the spiral.

Why are they important?

Having spare parts on site is crucial to the speedy repair of an unforeseen incident and getting a line back up running in a timely manner. Even though we can ship most parts same day, having the critical parts on hand can greatly reduce the amount of time a line is disabled. We all know time is money in this industry.

Being prepared is also a great contributor to peace of mind. From Operations Managers to Maintenance staff, mental well-being is a highly valued condition of today's ever evolving workplace.

How are they ordered?

Getting a quote for a **Spare Parts Kit** customized for your machine is as simple as e-mailing parts@ryson.com and providing your Spiral serial number when requesting a kit or any parts from Ryson. You can alternately scan the QR code at the bottom of this page to take you to our online request form. The serial number can be found on a data tag located by the lower transition of the spiral or in your owner's manual.



Quotes are typically provided the same day and after quoting the kit can be ordered as is, or working with our team to customize the order to fit your needs. Once ordered, kits (excluding motors) are usually shipped out the same day.

If you have any questions, please contact us at 757-898-1530. Ask for one of our parts team associates, Scott Christensen or Kyle Weaver. They will be happy to assist you with any of your parts needs.

We also offer on site training for your maintenance staff, assisting with repairs, rebuilds, and audits on all Ryson equipment. Please contact service@ryson.com if you have any questions. If you need to order any parts, contact parts@ryson.com.



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Click or Scan QR Code or Visit www.ryson.com for Additional documentation.



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