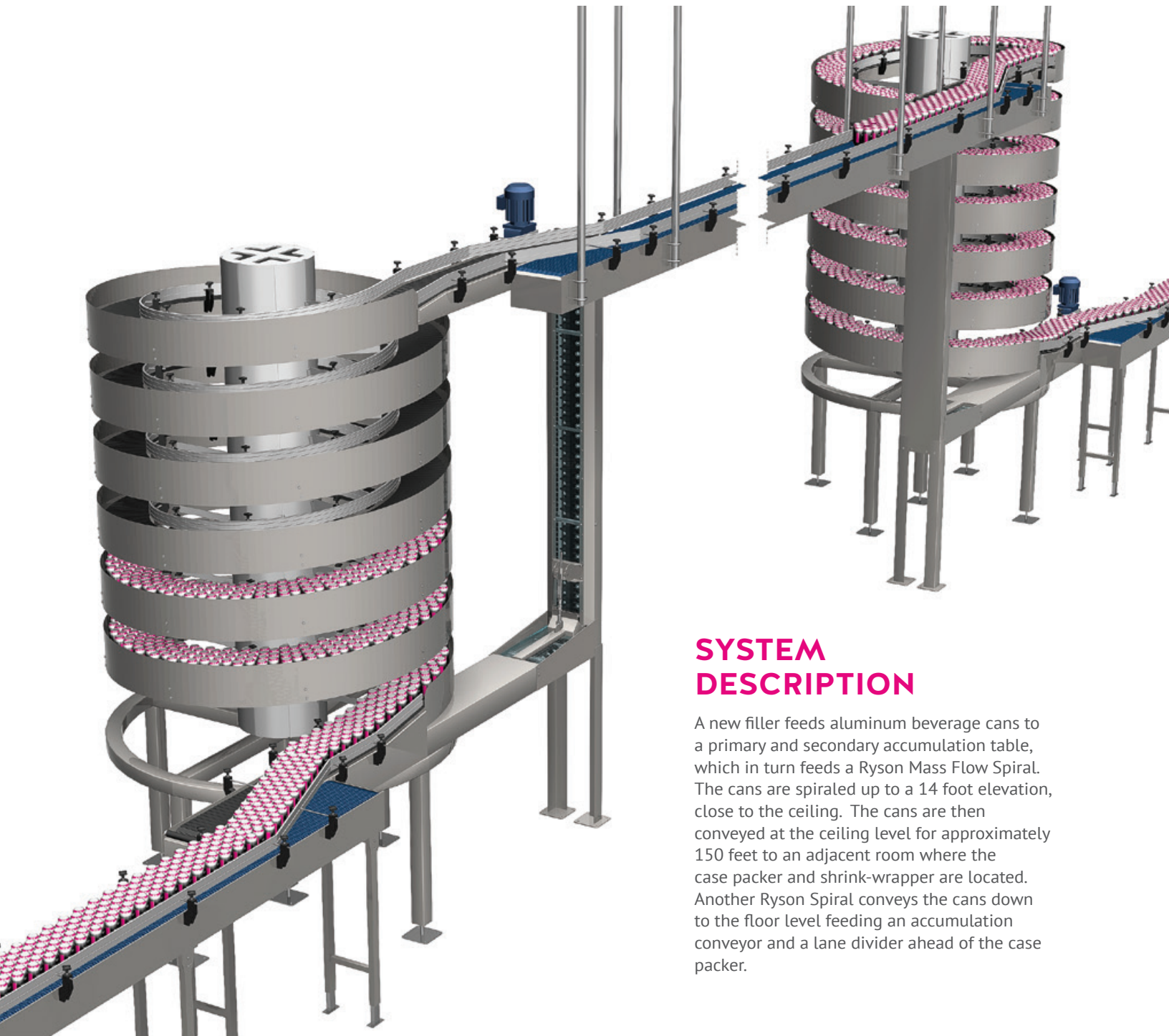




“Mass Flow Spiral Conveyors Save Space”

The customer needed to increase production capacity without expanding the building. Limited floor space was available. A pair of Ryson Mass Flow Spirals allowed the customer to add a filler in one part of the building and install a new case packer in a different location.



SYSTEM DESCRIPTION

A new filler feeds aluminum beverage cans to a primary and secondary accumulation table, which in turn feeds a Ryson Mass Flow Spiral. The cans are spiraled up to a 14 foot elevation, close to the ceiling. The cans are then conveyed at the ceiling level for approximately 150 feet to an adjacent room where the case packer and shrink-wrapper are located. Another Ryson Spiral conveys the cans down to the floor level feeding an accumulation conveyor and a lane divider ahead of the case packer.

System Data

The system is designed to handle filled 16 oz. and 12 oz. aluminum beverage cans at a rate of 875 cans per minute.

The Mass Flow Spirals have 12" wide slats and run at a speed of 75 FPM. The outside diameter is only 7' – 6".

The up spiral has 6 turns and the down spiral 4 turns.

The in and outfeed tangents have 3' – 0" extensions to facilitate side transfers to and from the external conveyors.

The Mass Flow Spirals are based on the proven and reliable Ryson Spiral technology. Only one drive motor is required, equating to substantial savings in controls and systems integration. All Ryson Spirals are designed for low maintenance and long life.



System Integration

Ryson supplied the two Mass Flow Spiral Conveyors to Fleetwood, Goldco, Wyard, Ambec (FGWA) a Barry-Wehmler Company of Romeoville, Illinois. FGWA was responsible for the overall system design and implementation. The end user is Krier Foods of Random Lake, Wisconsin.



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REV 6/23

