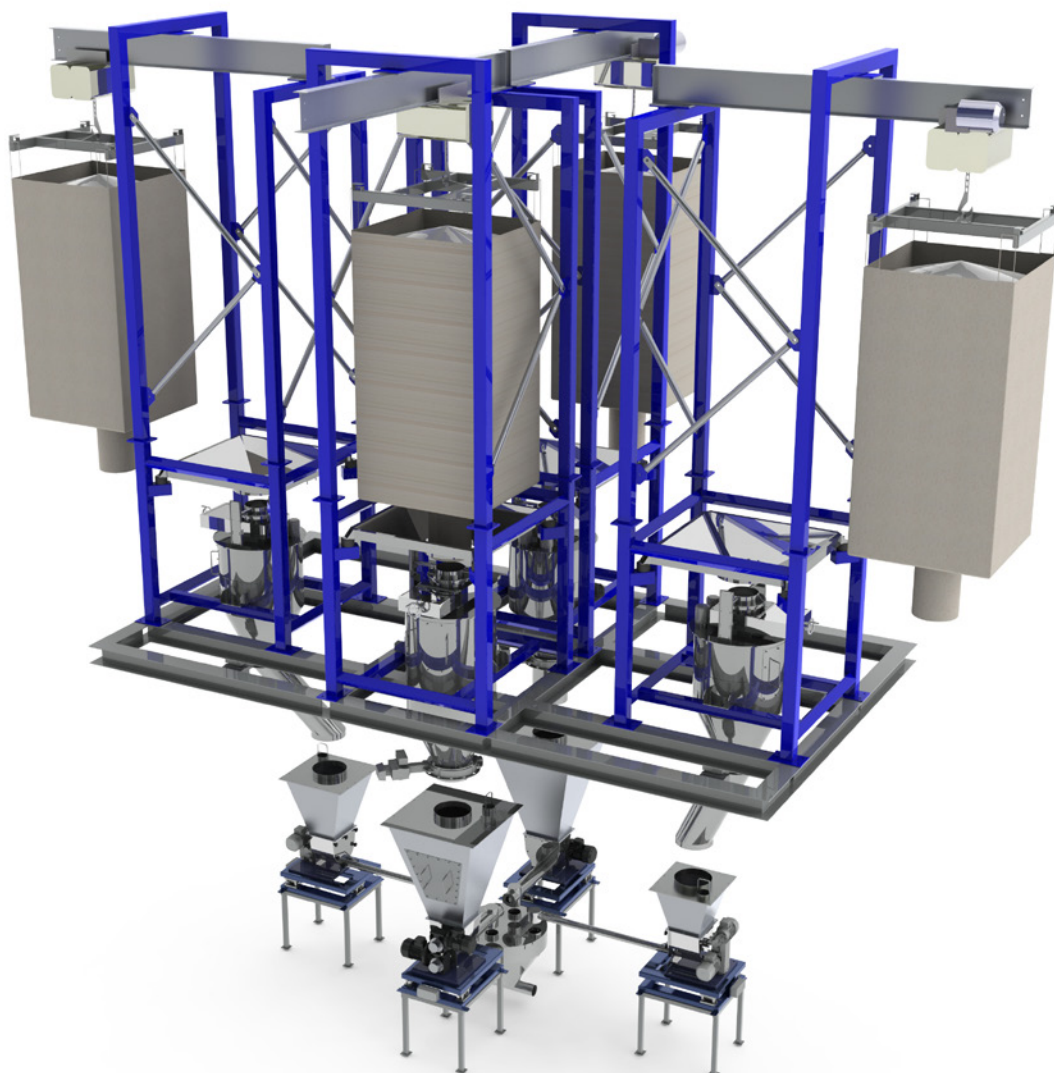


PRE-BLENDING OF POWDERS BEVERAGE MANUFACTURING

An international supplier of a malt drink presented with a requirement to supply a pre blended mixture of four ingredients to a mixing process 70 metres away from the main mixing room.



PRE-BLENDING OF POWDERS

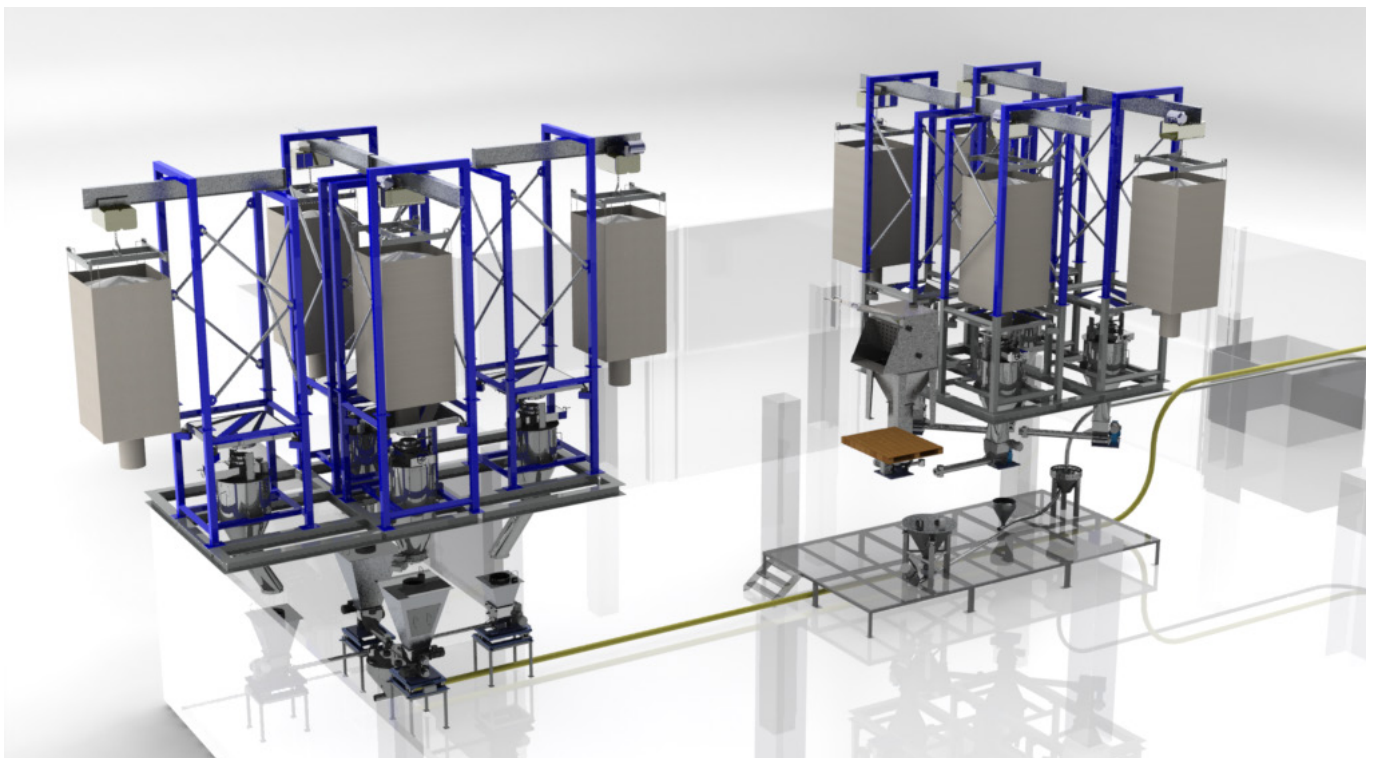
BEVERAGE MANUFACTURING

The confined space within the plant precluded the more traditional approach of batch mixing using a conventional blender.

On site, four hoist-loaded FIBC dischargers were arranged in a cluster, enabling the use of high accuracy loss-in-weight feeders to deliver powders at a controlled rate while accurately matching the batch requirements. Next, a vacuum system conveyed components to a receiving hopper 70 metres away, where powder was discharged into a final high accuracy Rospen for onward dispensing.

Using one of Rospen's many weighing subroutines, one ingredient served as the master feed, while the remaining three served as slave feeds. Any fluctuation in feed rate led to a corresponding response from the other three feeders, ensuring product consistency throughout. All four ingredients were discharged into a vacuum-receiving take off bin and subsequently entrained in the air flow. During this transfer, the four ingredients were sufficiently homogenised to require no further blending prior to addition to the main malted base powder.

This system demonstrates our ability to design innovative systems by utilising a range of our standard products and combining them using our wealth of experience to solve a customer problem.



MANUFACTURING FOR YOUR REQUIREMENTS

Our unrivaled industry experience combined with advanced design and system versatility to provide a range of benefits.

Highly qualified engineers	Precision	Reliability
 Our engineers are masters in their field. Rospen engineers are degree-qualified and equipped with comprehensive knowledge and experience to provide custom solutions to unique client challenges.	 Rospen systems are designed to perform with precision accuracy under all operating conditions.	 Our systems are built to ensure long term reliability, maximum up-time and lowest on-going operational costs.
Hygiene	Maintenance	Flexibility
 No matter the application, from pharmaceutical or food to quarry use, our machines are designed with easy strip-down features for hygienic cleaning.	 Design ingenuity enables quick and easy access for maintenance and low downtime.	 Standard design features ensure complete flexibility within existing manufacturing.



CONTACT US

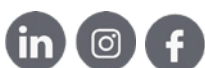
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