

Advanced bagging line supplied to US for milk powder

Concetti Group, headquartered in Bastia Umbra, Italy, has delivered a technically sophisticated packaging line to the Chilton, WI, plant of Milk Products LLC. Replacing bagging equipment which dated back to the 1940s and '50s, the new automatic bagging line has been designed to handle calf and lamb milk powder which – when blended with various additives, vitamins, proteins, etc – results in a series of 13 separate products, all with differing flow properties.

The Concetti IGF 900™ automatic bagging machine features stainless steel at all product contact points and there is the capability to apply a self-adhesive label on each empty bag prior to filling. The screw-fed NET/c™ net weigher guarantees a capacity of 400 bags/hour with 25kg and 50kg bags, while 40 and 44kg bags can also be accommodated. Thanks to a sampling device fitted to the filling hopper it is possible to extract samples which are placed individually into small dedicated collection bags.

Another novel feature, specifically developed for this packaging line, is automatic insertion of a dosing cup into every bag, allowing the consignee to mix the product with other components while maintaining precise control over quantities. Each cup is placed at the bottom of the bag prior to filling and closure (heat sealing of the internal liner and sewing with crepe paper for paper bags with PE in-liner and heat sealing for PE bags), then the bag is inverted so the end user finds the cup on top when it is opened. During stitching, a ticket with the batch and basic product information is applied on the bag top. The packaging process is completed by a Concetti four-column PS-3A/10S-4S™ robot palletiser, equipped with a special gripping device that provides for lateral and upper compaction.

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Concetti IGF 900 automatic bagging machine: special features include integral sampler, label applicator, and insertion of a dosing cup into each bag