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Magnetic, Vibratory and Metal Detection Solutions for Industry

NEWS RELEASE

For Immediate Release

Volumatic Feeder Provides Consistency in Cookie Coating!

When it became apparent that the quantity of sugar sprinkled on their confections by the sugar belt system failed to provide neither an attractive appearance nor a quality product, Davis Cookie Company, the exclusive distributor of Archway Cookies in Pennsylvania turned to Eriez Magnetics in Erie, Pennsylvania for a solution.



Portable Volumatic Feeder evenly distributes confections on holiday cookies

Baking popular products for more than four decades, the company suffered inconsistencies as a result of a “double flip” cookie coating process. Cookies positioned face-down on the conveyor were coated with sugar as they approached the baking oven and then flipped right-side-up before entering.

According to Dana Davis, company president, Eriez was asked to develop a volumatic feeding system that could store the sugar, as well as deliver an even coating to the top side of the cookies on the 39-in. (1m) wide by 150-ft. (46m) long baking belt without having flip to them.

The solution was to use a special portable volumatic feeder with a triangular-shaped storage hopper that included an adjustable gate opening to control sugar flow. The vibratory feeder, with its linear motion, provided a better-quality end-product for Davis Cookie with an even and thorough flow of sugar onto the cookies.

To maximize their investment, Davis Cookie collaborated with Eriez on the design of an adjustable support framework with a crank to adjust the height of the feeder from just a fraction of an inch above the cookies to several inches. This flexibility allows the machine to be used at more than one location on the belt and enables Davis to decorate special-occasion confections, such as iced Christmas cookies that receive a sprinkle topping after the baking and icing process.

A quality product with less waste, consistent coverage and substantially less product damage was the result of their efforts. Additional volumatic feeders are being planned for upcoming belt line which will be coating cookies with nuts and candy pieces.

Eriez Hi-Vi Volumatic Feeders are ideal for use in conjunction with weigh scales, packaging and bagging equipment, small batch operations, and operations where additive feeding is being performed either continuously or intermittently. The dual vibratory action assures the proper flow of dry bulk material in a measured discharge rate. They are available in a variety of standard sizes to handle from a few pounds to 15 tons per hour (13.6 mtph).