



CASE STUDY

For the Food Industry

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Custom Volumatic Feeding System Brings Consistency and Flexibility to Cookie Line

Davis Cookie Company was experiencing a problem: The quantity of sugar sprinkled on confections by their sugar belt system was providing neither an attractive appearance nor a quality product. Inconsistency was a major issue due to their “double flip method” in which the cookies were flipped top-down on to the belt, coated with sugar and then flipped right-side-up again before being sent through ovens for baking.

The cookie-maker approached Eriez® and asked the company to develop a custom Volumatic Feeding System. They needed a feeder that could both store the sugar and deliver an even coating to the top side of the cookies on the 39 in. wide by 150 ft. long baking belt without having to flip them. Eriez delivered with a special portable Volumatic Feeder Machine incorporating a triangular-shaped storage hopper with a finely adjustable gate opening to control the depth of sugar. A unique adjustable support framework was built around the conveyor system, complete with a crank that adjusts the height of the feeder above the cookies. The feeder is also adaptable for use at more than one location on the belt.

“Eriez’ Electromagnetic Volumatic Feeder consists of a combination hopper, vibrator, feeder and solid-state control for blending or metering,” says Rob Yandrick, Eriez Product Manager-Vibratory/Screening. He adds, “The machine can meter a wide range of products that consist of granular to small lump materials. There are two standard models offered and a variety of custom sizes to feed a few pounds to many tons per hour.”

Eriez Hi-Vi Volumatic Feeders are ideal for use in conjunction with weigh scales, packaging and bagging equipment, batch operations and operations where additive feeding is being performed either continuously

or intermittently. Special models are available for specific requirements. The machine's dual vibratory action assures the proper flow of dry bulk material at a measured discharge rate.

After installing the Eriez equipment, Davis Cookie now produces a quality product with less waste, consistent coverage and substantially less product damage.

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Eriez is recognized as the world authority in separation technologies. The company's magnetic separation, metal detection, fluid recycling, flotation, materials feeding, screening, conveying and controlling equipment have application in the process, metalworking, packaging, plastics, rubber, recycling, food, mining, aggregate, textile and power industries. Eriez manufactures and markets these products through 12 international subsidiaries located on six continents. For more information, call (814) 835-6000. For online users, visit www.eriez.com or send email to eriez@eriez.com. Eriez World Headquarters is located at 2200 Asbury Road, Erie, PA 16506.