

JetAir Drying Systems Use Pfannenberg Cooling for World's Largest Soft Drink Bottler

JetAir creates and manufactures the industry's most advanced centrifugal blowers, air knives and drying systems. These instantly strip moisture from the outside of bottles and cans, creating a dry surface for labels, as well as for other packaging operations like case packing and stamping date codes.

Unlike conventional belt driven blowers, JetAir's high-speed centrifugals are powered by direct-drive motors. "Direct-drive helps eliminate the need for maintenance-intensive belts and pulleys that the beverage industry has used and fought with for the past 40 years," explained Kevin Beyer, VP of Sales for JetAir. Direct-Drive Technology also enables JetAir to offer blowers over 15% more efficient than their closest competitor in a system 30% smaller that's easier to install and maintain. Double Allen-Bradley Powerflex70 Variable Frequency Drives power the direct-drive system.

While water is an essential element inside of many canned beverages, on the outside, it creates a slippery surface on containers as they travel – often at speeds upwards of 2,000 containers a minute – into the packaging process. Even the tiniest bubble on the outside surface can mar and disrupt jet-coded product identity or born-on dates.

Precision is equal to speed in this process, because producers can't release unmarked products and consumers will rightly avoid products with suspect shelf lives. To increase quality control, major brewers and other beverage and food

companies have turned to JetAir Technologies, based in Ventura, California. Their systems can be found in place with such companies as Anheuser-InBev, Miller-Coors, Nestle, Coca-Cola, Pepsi, Kraft, Gallo, and General Mills.

Because the drying process is a critical one and must keep pace with production, JetAir relies on Pfannenberg to keep the control electronics for their machines properly cooled. Pfannenberg DTS 3181 Cooling Units were recently installed on the VFD control cabinets. They were the smallest unit available on the market with a large enough cooling capacity and were also able to use 460 volt power directly. The smaller units were also more aesthetically pleasing.

"With Pfannenberg's easy-maintenance filter-less design and units designed with a long internal air path which feeds cold air to the bottom of the cabinet allowing it to cool the entire thing, it was an easy choice compared to other brands," says VP of Engineering & Development Dan Snyder. "The standard corrosion inhibitor was also a big plus for protection against moisture and chemicals in certain areas."



JETAIR[™]
TECHNOLOGIES, LLC



For more information:
pfannenbergusa.com
sales@pfannenbergusa.com

68 Ward Road, Lancaster, New York 14086
Phone: 716-685-6866 Fax: 716-681-1521

Pfannenberg
ELECTRO-TECHNOLOGY FOR INDUSTRY