



Superior Sanitation Support for Iconic Food Processor

CHALLENGE

One landmark brand deserves another. When Perry's, producers of 13 million gallons of ice cream annually and a New York institution operated by fourth generation family members, recognized the need to secure their high-volume food processing plant, the kingpin of air movement jumped in to give aid.

With assembly lines working both day and night, a process that involves slowly making a batch at a time, and a 99 years of commitment to putting "enough of the good stuff" in their products, providing a sanitary, airborne contaminant-free environment to produce over 500 different items isn't just a sweet idea, it's an essential way of doing business.

THE SOLUTION

Mars Air Systems is the dependable control freak when food manufacturers and those who produce precision commercial products need assurance that their plants are protected from the flying insects, airborne contaminants, and moisture issues that can diminish product quality. And savvy plant managers know staff performance is at its peak when indoor climates are kept comfortable year 'round. Using a cluster of Mars WindGuard units across their bank of dock doors, the Akron, New York-based staff now knows the best air management controls are working alongside them so they can focus on flavor innovations and another generation can keep Perry's Ice Cream a regional favorite.



atmosphere is everything

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ICONIC MANUFACTURERS CHOOSE ONLY THE MOST TRUSTED NAMES TO SECURE THEIR FACILITIES.



KEEPING WIDE OPENINGS FROM ATTRACTING THE WRONG CROWD

When a popular sports bar in Downtown Overland Park, Kansas added a track-guided garage door and a series of fold-out windows along the second-floor dining area to open the space and bring the outdoors in, Johnson County health code regulations threatened to halt the experience-enhancing plans. Prohibitions against open exposure to flying pests in food prep and food serving areas were circumvented when Mars Air Systems was part of a rescue served up to meet regulatory requirements, amplify guest comfort, and cut utility bills. A cleverly designed exterior-mount solution provided a simple ledge to cradle the hard-working air curtain units while doing double duty as an architectural mullion. A painted custom-made protective covering was then placed around the units to shield them from the often harsh Midwestern elements while blending in with the building and appearing to be part of an intentional facade. Now the threat of flies and mosquitos has been halted as the air curtains provide the proven invisible protective shield the health code demands. Able to operate continuously whenever the garage door or windows are open and provide trusted defense, patron experiences are also separated as any drifting cigar or cigarette smoke from guests on the patio is safeguarded from reaching inside diners.



STAYING SANITARY FOR SCIENCE

When you command roughly 34% of the overall strawberry market share in the U.S., the breeding of fruit is a bit of art and a lot of science. And, that science must be done in a lab with stringent protocols and rigorous standards for consistent and validated outcomes. To reveal accurate data, the lab needs to be free of dust, contaminants and also absent strains of spores which are not under examination. At Driscoll's, the lab leadership realized the entry and exit of staff to and from the lab was the likely conduit by which airborne environmental contaminants would enter. They chose the power of Mars' focused stream of air to expel debris from the body and clothing of their scientists and workers and become a tucked-away solution that doesn't impede views or quick lab access. Now for Driscoll's, having a Mars air curtain unit resting comfortably above the lab entry provides quiet support to both workers and seedlings.



MANAGING WIDE OPEN SPACES

Large cavernous manufacturing centers grapple with complexities — voluminous staff, high traffic, inconsistent climate control, and ongoing pressure to create productive working environments so output goals are hit month after month. In the Campbell Soup Company's sprawling, 2.4 million-sq.-ft. facility, a collection of exterior doors continually introduce outside air to the workspace. Facility managers were using propeller-based fans in an ill-working attempt to barricade the unwanted airflow they blamed for drafts and shrinking productivity. The fans were doubly ineffective because they relied on excessively high horsepower to produce a wide projection of diffused air. The fans were spreading an unfocused blast of air using an excessive amount of energy. The Mars Air Systems air curtain solution was able to produce a precision air barrier with a concentrated blast of air that used only 3 HP versus the fan's excessive 15 hp. Better still, the Mars solution consumes the energy equivalency of one standard metal parking light with a 1500-watt metal halide bulb turned on for one hour and completely eliminated the view obstruction of the fans.



PLASTIC STRIP CURTAINS OUR NUMBER ONE HAZARD

In a 62,000 sq. ft. facility, Empire Packaging and Displays produces \$50M annually in corrugated boxes and displays, many of which give food producers the means to package & ship products in hygienic envelopes. The Empire team realized "plastic strips were the number one hazard in the factory — even more than the equipment we used," said co-owner Hal Mottet, "because they were constantly dirty, had turned cloudy after a month of use, and were often pushed aside by staff who found them cumbersome and intrusive to their work." The Empire team discovered that for a few dollars in electricity per month they could achieve a safe and effective barrier to keep dust, debris and flying insects out of the plant with the bonus of a more productive climatic conditions for workers. With the installation of three Mars air curtains riding shotgun over their 14-foot dock doors, "The plant is definitely more comfortable and visibility around the dock doors is at all-time highs which eliminates our worries about worker safety."



READY FOR IMMEDIATE SHIPMENT

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