

Wine Bottle Manufacturer Saves More Than US\$161,000 on Compressed Air with New Blower System

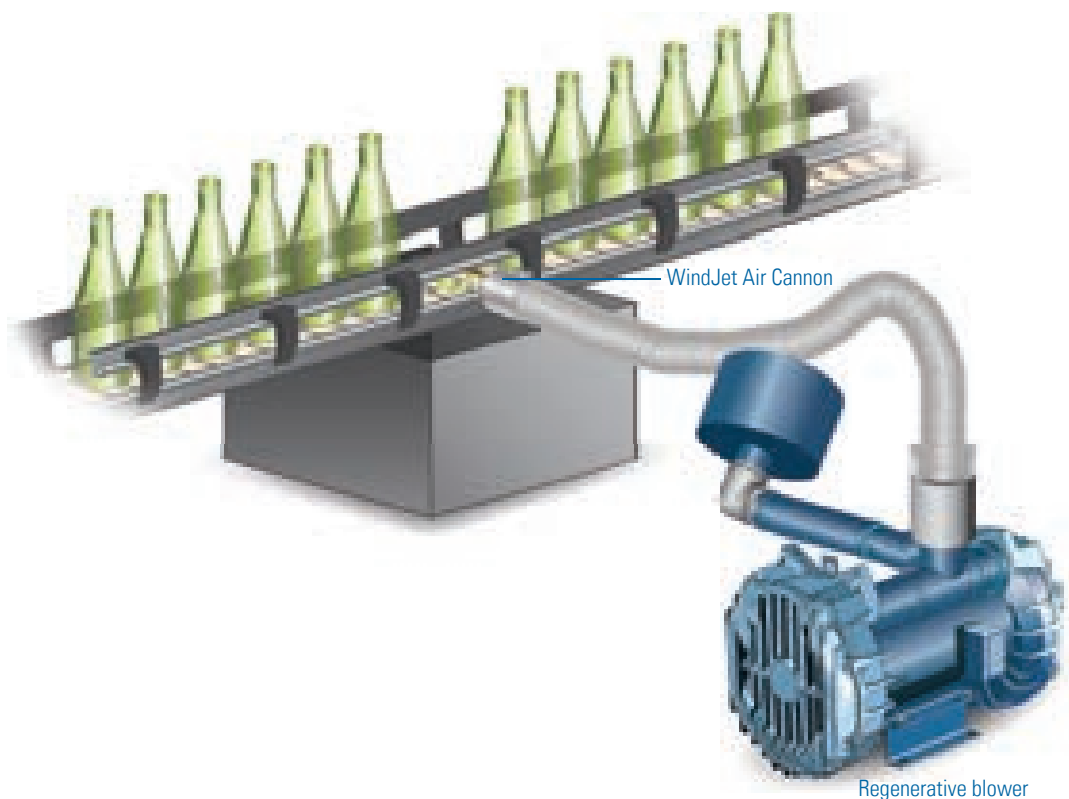


Problem:

A manufacturer of wine bottles needed to blow broken glass off production lines. Homemade air nozzles fabricated from crimped stainless steel tubing were being used. The nozzles were able to remove the glass from the conveyor lines but they were extremely expensive to operate because they consumed a large volume of compressed air.

Solution:

Spraying Systems Co.'s solution is WindJet® Air Cannon packages, which are installed on each of the seven production lines in the plant. Each system consists of a 2.5HP blower and a 1" air cannon to powerfully blow broken glass from the conveyor. The regenerative blowers are low-maintenance, low noise, energy efficient and produce clean, heated air. WindJet Air Cannons deliver a uniform, high-velocity air stream that is able to easily blow broken shards of glass away from the production line.





Wine Bottle Manufacturer Saves More Than US\$161,000 on Compressed Air with New Blower System – Continued

Results:

Prior to installing the WindJet® Air Cannon packages, the customer had been spending almost US\$170,000 annually on compressed air. The annual operating expenses for the WindJet Air Cannon packages are about US\$8,500 – a savings of more than US\$161,000. The cost of the new system was recouped in just over one month.

A CLOSER LOOK AT THE SYSTEM



Air cannons provide a high velocity air stream into holes and indentations in irregularly-shaped parts.

Blowers included in air cannon packages are durable, energy-efficient and produce clean, heated air.



PAWIN Engineering Co., Ltd.

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