

Can Manufacturer Increases Revenue by US\$4.2 Million Annually with AutoJet® Spray System

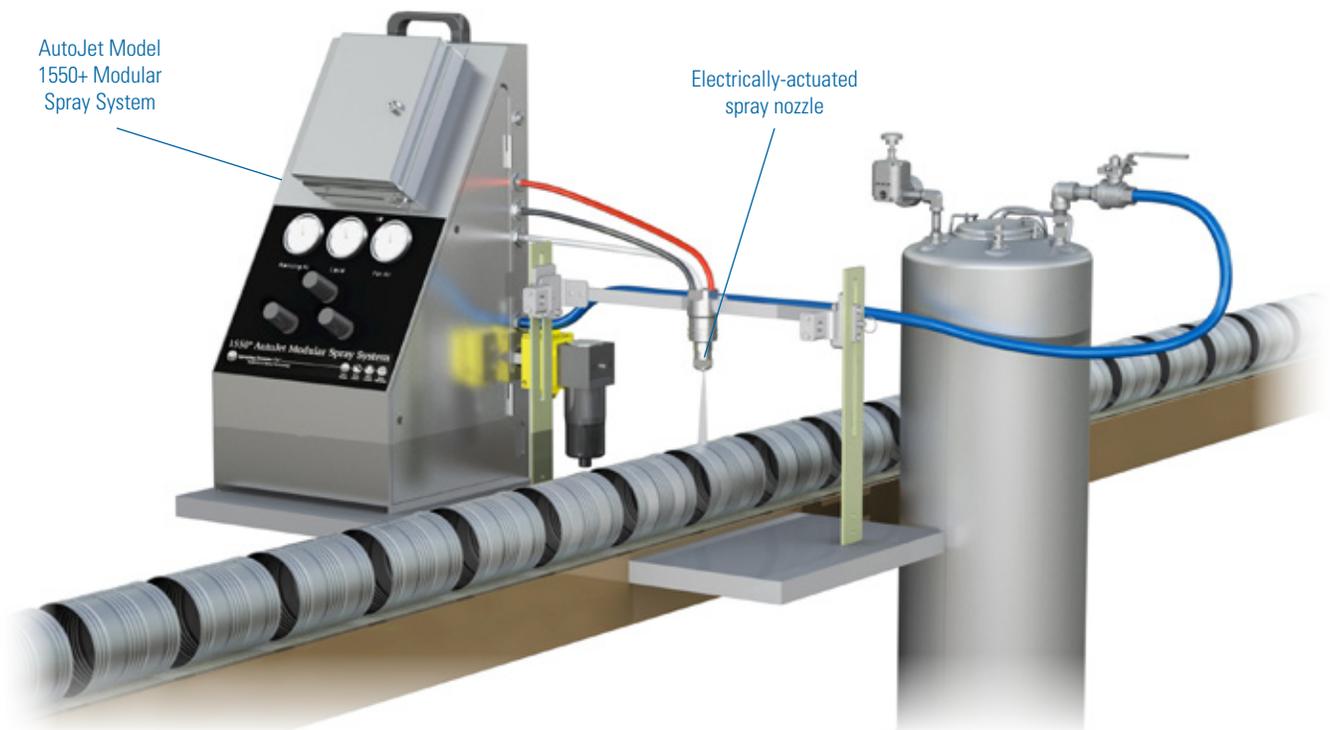


Problem:

A can manufacturer needed to spray a protective coating to the outer welded seams on cans shipping overseas to prevent corrosion. Previously, only can interiors were sprayed since all shipments were domestic and exposure to harsh environmental conditions such as salt water was minimal. Without an efficient way to coat can exteriors, the manufacturer was unable to capitalize on the vast international market.

Solution:

Spraying Systems Co.'s AutoJet 1550+ Modular Spray System now coats the outer seams on all cans shipping overseas. The spray controller regulates the flow of the protective coating to the spray nozzle mounted above the conveyor. An optical sensor detects when cans are properly positioned and signals the controller to trigger the nozzle to spray. The coating is applied directly on the can seam with minimal overspray. An agitator in the system's 15-gallon (57-liter) stainless steel pressure tank helps achieve a uniform coating by properly blending the protectant before spraying.





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Results:

The AutoJet 1550+ Modular Spray System efficiently coats the outside seams on all cans shipping overseas and effectively prevents corrosion. Coating the outside seams allowed the manufacturer to ship 30 million cans overseas in the first year and added US\$4.2 million in revenue.

A CLOSER LOOK AT THE SYSTEM



Electrically-actuated spray nozzle provides continuous spraying or high-speed cycling up to 2,000 cycles per minute. All connections are located at the rear of the nozzle to minimize the nozzle profile. The mounting and connections are not disturbed during maintenance because of a quick-change fluid module for replacing wear parts.

AutoJet 1550+ Modular Spray System features liquid control for proper flow and droplet size and ensures accurate placement of the protective coating to minimize waste.



Spraying Systems Co.®
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