

Bakery Saves More than US\$60,000 Annually with New Spray System



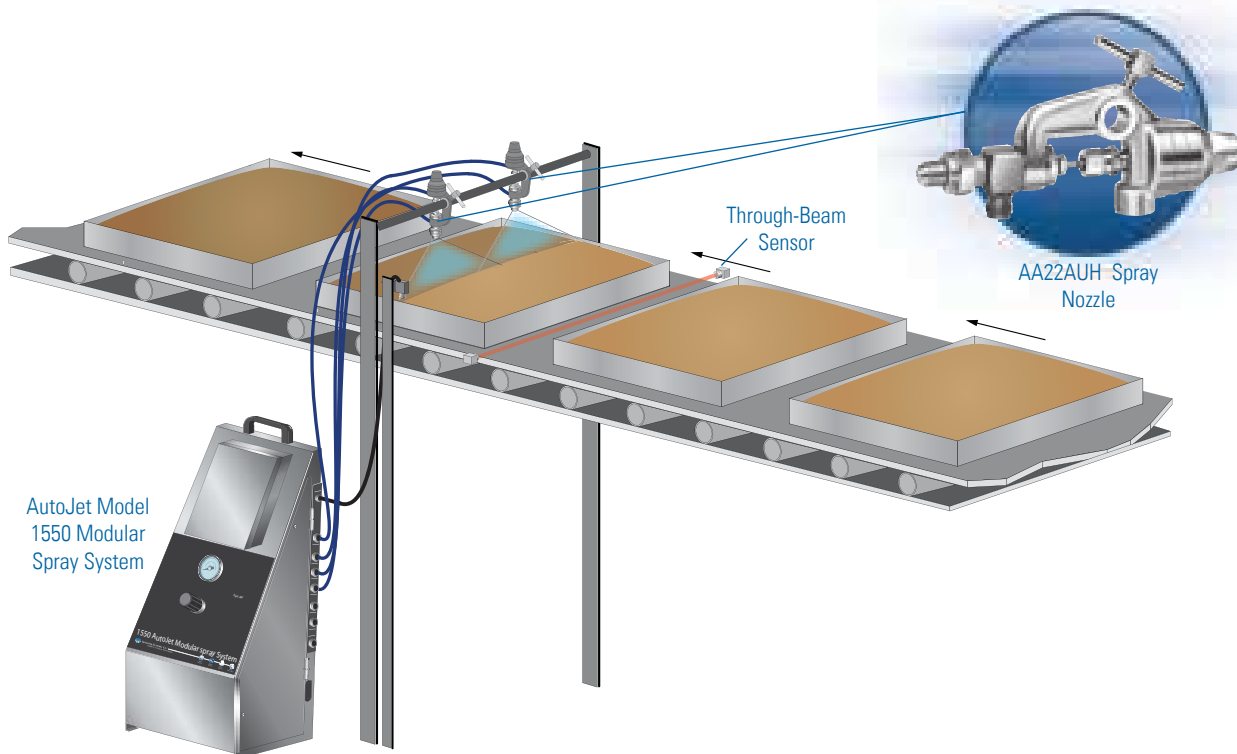
Problem:

A baked goods manufacturer needed to apply a light coating of potassium sorbate solution to the surface of cakes after they emerged from the oven. The solution acts as a preservative for the baked goods.

The preservative was previously applied using a hand-held spray bottle or by brushing it on. Both of these application methods presented problems. Both methods were messy and the amount of preservative applied to each cake varied by worker. In addition, these methods were labor intensive, requiring worker involvement the entire time the production line was running.

Solution:

To improve the process, Spraying Systems Co. used two AA22AUH automatic spray nozzles controlled by an AutoJet® Model 1550 Modular Spray System. The easy-to-use Modular Spray System is triggered by a photoelectric through-beam sensor. This ensures an accurate, intermittent spray of the coating only when cakes are present. UniJet® spray tips are used to deliver a very low flow of potassium sorbate to the cake surfaces without waste.





Bakery Saves More than US\$60,000 Annually with New Spray System – Continued

Results:

The AutoJet® Modular Spray System and AA22AUH automatic spray nozzles provide a consistent coating of potassium sorbate on each cake without any mess. In addition, workers are no longer required to apply the coating and are free for other tasks. The reduced labor cost saves the bakery more than US\$1,200 per week, and the investment in the new spray system was recouped in less than two months.

A CLOSER LOOK AT THE SYSTEM



UniJet® spray tips provide uniform coverage across the width of the spray pattern.

Two AA22AUH automatic nozzles, triggered by a photoelectric sensor that detects the presence of baked goods, coat only the width of the cake pans with a uniform spray.



AutoJet Modular Spray System provides easy control of nozzles and cycle times up to 10,000 cycles per minute.

UNIQUELY QUALIFIED TO GENERATE RESULTS

Unmatched Global Engineering, Manufacturing and Technical Support
Nozzles | Control Systems | Headers & Injectors | Research & Testing



Spraying Systems Co.®

Experts in Spray Technology

North Avenue and Schmale Road, P.O. Box 7900, Wheaton, IL 60187-7901 USA

Tel: 1.800.95.SPRAY Intl. Tel: 1.630.665.5000

Fax: 1.888.95.SPRAY Intl. Fax: 1.630.260.0842

www.spray.com



Case Study No. 168A Printed in the U.S.A. ©Spraying Systems Co. 2014