

Paint Curing Oven Helps Put the Package Together Electric IR Speeds Up the Drying Process

"We originally called Fostoria Industries because of Fostoria's decades of experience and excellent reputation. We found out how they got this reputation."

Larry Boville, Jr.

Boville Industrial Coatings of Smithville, OH wanted to speed up their production. They previously coated extruded aluminum window and door products and let them set over night, so that the paint was hard enough for packaging. Their goal was to eliminate this time consuming step.

Fostoria Industries designed a system that met Boville Industrial goals and made them believers in Electric IR. Fostoria's engineers incorporated three ovens, one oven after each coating: base coat, top coat, and splatter coat.



The first two ovens are 44" long Flash Ovens. Each use 21KW of infrared heat that peaks at 100°-125° F. These ovens are banked with heaters on one side with reflective material on the other, thereby recycling the heat and decreasing the exposure time to only 45 seconds.



The Final Dry-Off Oven temperature peaks at 200°-225° F using 126 KW of infrared heat. The product cures at a 2 minute 30 second exposure time in a 11' long oven.

Boville can now paint the parts, run them through the IR Oven, and package their product minutes after spraying. This system has increased throughput and drying time immensely, and at the same time has decreased material handling. This all adds up to increased productivity with savings in time and money.

"We found Fostoria Industries to be skillful, knowledgeable, and professional. They helped us design an oven system second to none in our industry. We look forward to our next purchase at Fostoria"

*Thanks,
Larry Boville, Jr.*