

Detection and marking of flaws made easier with AutoJet Technologies' control system.



Control panel which controls JAUCO automatic air atomizing nozzles

### Problem:

A leading manufacturer of personal care products was having difficulty detecting and marking flaws on their 100" (2.5 m) wide non-woven line. Flaws were not detected until later in the manufacturing process, sometimes after shipment. Product quality was suffering, resulting in increased scrap and production line downtime.

### Solution:

An AutoJet Technologies control system and spray header were designed and engineered to spray a UV tracing material onto the products to highlight defects.

Using Model 2250 AutoJet Spray Controllers, the system integrated the customer's existing vision system with a five-zone spray manifold, which marks the defects with a strip of UV material. Multiple spray controllers were used because five separate spray zones were required, each zone independently triggered by the vision system when flaws are detected.

Model 2250 AutoJet Spray Controllers, powered by SprayLogic® Software, use tachometer pulses from the conveyor to accurately apply a 15' (4.6 m) strip of UV material at line speeds ranging from 400 to 1000 ft/min (122 m to 305 m/min).

The system's ability to highlight the defects with a consistent length mark despite varying line speeds was key to allowing the customer to correct production problems quickly and produce higher quality products.

AutoJet Technologies installed the complete system and the line was successfully identifying defects within half a day, minimizing downtime.

**For process consultation or application assistance on any AutoJet Technologies product, contact your local Sales and Engineering office.**

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