Ircon® System Solutions – *Glass*

Belt Temperature Measurement

Customer
Glass Container Mfrs.

SIC code
3221

Customer Needs
To move glass containers from the mold machine to the annealing lehr the containers are placed on a steel belt. If the container has a large, solid bottom the belt will cool the container unevenly and cause breakage. To prevent this from happening the customer heats the belt with gas flames prior to reaching the bottling machines.

Measuring the belt temperature is critical to help prevent breakage. Container manufacturers must have a return of 95% or better to be profitable.

The belt temperature measurement requires a simple pyrometer. It can be done economically with an 8-14μ Javelin. Be sure to include an air purge to keep dust and debris off the lens.

Features/Benefits to address

Product

- 8-14μ Javelin is a cost effective instrument. Its small size is effective on cluttered bottle lines.

Application

- The main goal is to reduce breakage on the bottle line. This reduces scrap which has to be remelted and can help to speed up the process if the user can adjust belt speed.

Who to talk to?

1. Plant Engineer
2. Engineering involved with bottle line

What to take?

1. Javelin and related literature

Application

Bottles coming out of the mold machine onto the conveyor line to the annealing lehr

Names of customer
Ircon has had good presence in the glass industry for a number of years. Look for existing customers who may have used Ircon in the past but have not automated this section of their plant. If they use a competitor's product chances are that the Javelin will be a lower cost solution.

IRCON®
A Fluke Company