

OMEGA VANZETTI®
The Leader in Infrared
Temperature Measurement
and Control

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CORRUGATED GLUING MONITORING/CONTROLLING

THE PROBLEM:

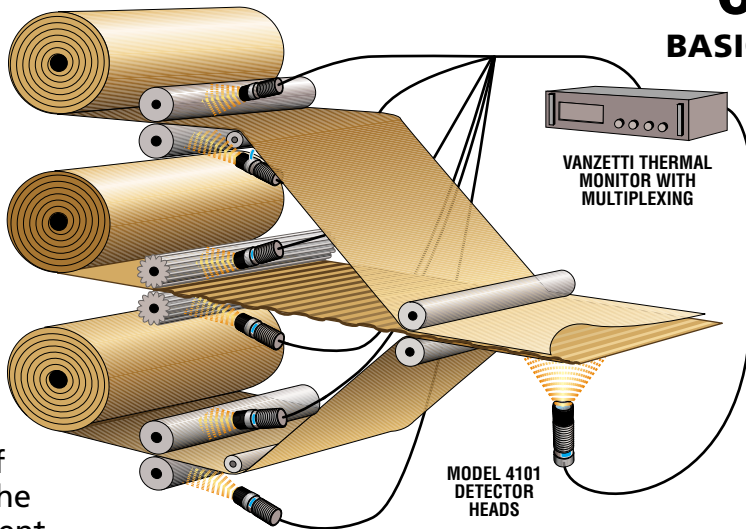
In the manufacture of corrugated cardboard, it is necessary to heat the layers of fiber board by passing them over rollers prior to gluing the layers together. If the temperature is too low, the layers do not bond. If too high, the corrugation does not form correctly and the glue dries too quickly.

THE SOLUTION:

Since the surface temperature of the rollers is directly related to the heating of the paper, measurement and control of the roller temperature is essential to production of high-quality cardboard. The time response required and the inability to touch the rotating surface with thermometers makes IR non-contact measurement a necessity and a solution.

THE EQUIPMENT:

OMEGA VANZETTI® has both the technology and the manufacturing flexibility to adapt standard IR detection equipment to special applications. An air/water purge assembly can enable the detectors to operate in the environment and not become contaminated. The Omega Vanzetti equipment can be interfaced with the customers' computer to control the heating rollers and oven temperature.



\$690.00
BASIC SYSTEM

Advantages of the line of sight infrared approach as illustrated are:

- Fast response time 10 mSec
- Adjustable emissivity control
- Speeds up production by controlling the process by temperature instead of time
- Sensor replacement without a need for recalibration
- Higher quality yield of product
- Non-contact viewing
- Allows for fully automated mass production
- Immune to electrical noise and radiation fields
- Minimize scrap and waste to increase productivity
- Wide field of view
- Temperature ranges from 0-1371°C (in sub ranges)
- Spectral response – 8 to 14 microns
- 4-20 mA linear output



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