

IWRM 30 Linear Inductive Sensor Solves Press Cylinder Registration Issue

Brian Duval
Publicity and CorpCom

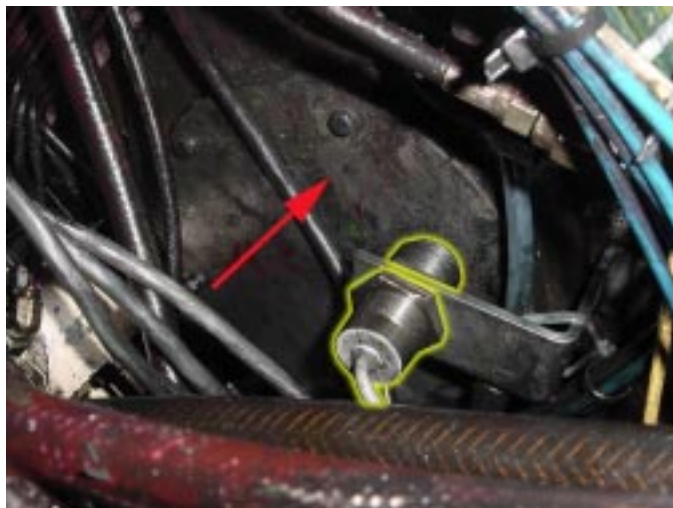


Diagram 1

Product: IWRM 30

Market: Printing

The Application: The Daily News had problems with press cylinder registration. Because of lateral cylinder drift, overlapping colors would not line up properly. The end result was muddy/muted colors in the editions when they ran multicolors.

More and more they found themselves running multiple colors, especially in their advertising sections. Having colors that were not properly separated was unacceptable to their advertisers. The solution to their problem, it was determined, was to control the position of the press cylinders, minimizing drift.

Initial solutions considered were laser displacement sensors. Because of the harsh environment it was determined that the lasers

would not provide consistently accurate readings due to oil buildup on the sensor face.

Customer Benefit: Baumer Electric, having multiple technologies on which to draw, applied the IWRM 30 analog output linear inductive sensor. By mounting the 30 mm tubular sensor facing the end of press cylinder (diagram 1, yellow halo), it can measure lateral drift (red arrow) with resolution as high as 0.01 mm.

The IP 67 sealed IWRM easily handles the nasty environment, yet provides the precision necessary to read the cylinder position, feed the signal to their VSAC Drive which controls the position.

End result: crisp, clean color separation.



122 Spring Street, C-6
Southington, CT
800.937.9336
www.baumerelectric.com/usa