

Plastic Injection Molding

GOAL

Monitoring the separation between two halves of a clamshell mold.

Meeting critical shape tolerances for the mold dimensions.

Minimizing the plastic used to avoid excess waste.

Making measurements in a harsh and contaminated environment.

SOLUTIONS

KD-2306

KD-2446

KDM-8206

Non-contact position sensors are mounted on the outside of the clamshell mold (see Figure 1) for real-time monitoring of the molding process. The sensors provide analog signals proportional to the separation. That means a set point can be triggered to warn when out-of-tolerance conditions are reached.

Result: Improved part quality and reduced process costs.

THE KAMAN ADVANTAGE

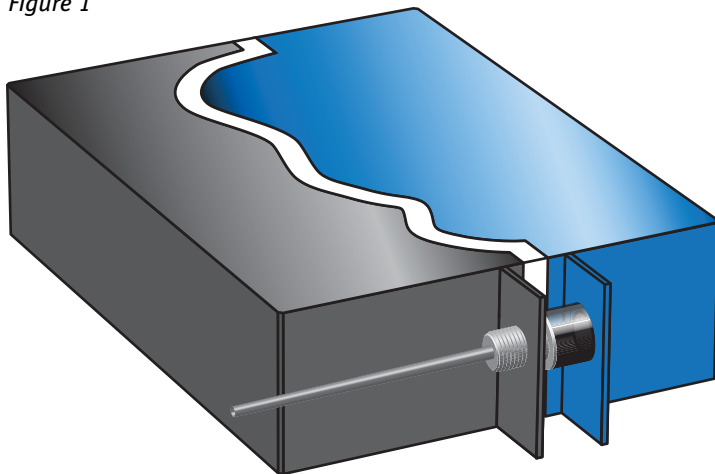
Good reasons to use the Kaman KD-2446/KD-2306/KDM-8206 measuring system:

Enhanced process control. The system provides on-line control of the molding process through real-time monitoring.

Minimized downtime. The system continually monitors the mold process conditions; process adjustments, shutdowns and maintenance can be conducted on an as-needed basis.

Non-contact. Using eddy current technology, the sensor can measure position without ever touching the target. The result is an extremely reliable system with no moving parts.

Figure 1



Every application is unique.

Contact Kaman for application engineering assistance.

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