

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

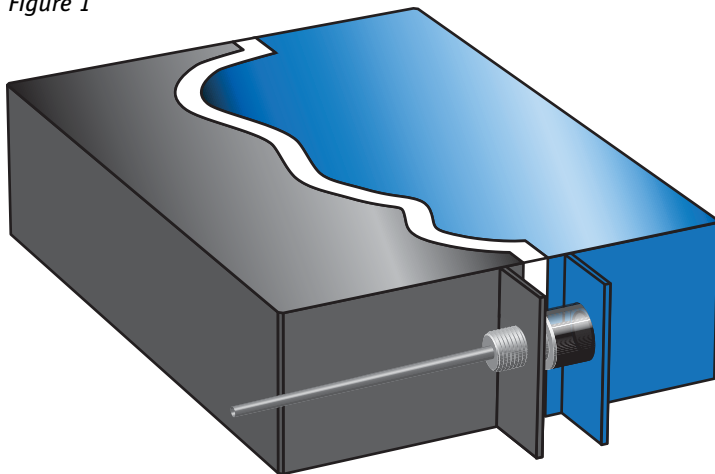
KD-2446

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.

Figure 1



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.

Every application is unique.

Contact Kaman for application engineering assistance.

800-552-6267 | kamansensors.com | measuring@kaman.com