

November 19, 2010

New Mold Monitoring System Improves Quality Monitoring, Mold Protection and Productivity

[North Palm Beach, FL] ... The PE-400, an innovative solution for plastics processors from Comet Plastic Equipment, LLC, is a new mold monitoring system that improves quality monitoring, mold protection and overall productivity.



Weighing in at 2.2 lbs and with a surface area slightly smaller than a regular sheet of paper, the PE-400 is the compact, lightweight, all-in-one mold protection system that monitors:

- Molded parts left in the cavity
- Insert loading errors
- Both positions of the slide core
- Broken pins
- Metal die-casting errors

With a processing time of just 0.03 seconds, the PE-400 keeps cycle times at a minimum.

More than just an ejection error detection system, the PE-400 ensures re-ejection for jammed parts. This function is performed up to a predetermined number of times (up to 99 times) without machine shutdown, allowing for rapid cycle return. In addition to preventing mold damage or unnecessary machine shutdowns, this helps reduce the number of ejects, decreasing wear of the ejector pins. This function also supports unattended operation.

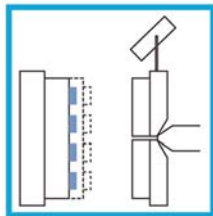
Other specialized functions of the PE-400 include:

- Two-camera monitoring for additional detail or large mold surfaces
- Automatic compensation for position (mold opening stop position)
- Automatic compensation for significant changes in ambient luminosity
- Independent area setting

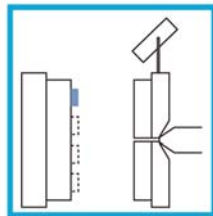
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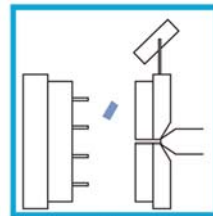
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Position compensation



Ejection errors



Re-ejection

- Capability for 4X zoom on the 640x480 pixel LCD screen, allowing for detailed monitoring of even the smallest molded part
- Checking of set conditions and cycle count

Operation is easy and quick because condition settings are performed by simple selection of items on the screen. Plus, the PE-400 allows automatic capture of a reference image in a single cycle.

Convenient data storage is provided by a compact flash slot and 1GB card so that the setting conditions of each mold, logging data and photos can be easily stored and downloaded.

Standard equipment for the PE-400 includes: the main body (monitoring unit), a CCD camera (with standard lens), camera-mounting stand (with platform), lighting stand, cables (interface, camera, I/O), I/O unit, compact flash memory card and mounting bracket for the main body.

Optional equipment includes: a high-sensitivity camera with special filter, LED lighting set for high-sensitivity camera, zoom lens, camera mounting stand and halogen lighting set.

Additional information on the PE-400 and Comet Plastic Equipment's other products and services can be found online at www.cometpe.com.

For over 30 years, Comet Plastic Equipment, LLC has provided innovative solutions to plastics processors to support improved productivity and profitability. Products include a complete range of drying, blending, conveying, bulk handling, oil and water temperature control, and mold monitoring equipment. The company's commitment to providing superior service spans everything from simple replacement parts to large-scale installations.

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PR Contact: Susan Hunt Levin
(216) 932-3168