

PRESS RELEASE - FOR IMMEDIATE DISTRIBUTION

New PE-600 Mold Monitoring System Ensures Easy, All-in-One Mold Protection with Exceptional Accuracy and Speed

- Full-color, higher-resolution image processing improves detection of problems and defects
- 60% faster processing speed (0.012 second) ensures protection even for ultra-high-speed applications with sub-two-second molding cycles



Riviera Beach, Florida, September 5, 2017 – Comet Plastic Equipment introduced its new PE-600 today, the industry's first mold protection device to use full-color, high-resolution digital image processing technology to protect complex, expensive injection molds from damage.

Improved Accuracy and Speed

“This new system substantially raises the bar for mold protection,” said Tom Rajkovich, president of Comet Plastics Equipment. “Image resolution has been raised from 800 x 480 pixels to 1920 x 1080 pixels. Full-color digital processing improves detection by reducing errors caused by outside light, reflections from shiny mold surfaces, shadows on the mold, residue, etc. Plus image capture/processing time is now 60% faster than the previous model. With 0.012-second digital processing, even ultra-high-speed molding applications with

Comet's PE-600 features a 10.4-inch, high-resolution, SVGA full-color LCD touch screen for easy viewing and setting of precision parameters. Weighing just 3 lbs, the unit can be hand held while entering settings in front of the mold.

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sub-two-second cycle times can benefit from the PE-600. The result is a system that offers the highest levels of accuracy and speed.”

More than just an ejection error detection system, the PE-600 also monitors both positions of the slide core, insert loading errors, broken pins, and metal die-casting errors. Automatic compensation for position (mold opening stop position) is an added standard feature.

For ejection errors, the user can pre-select the number of ejection strokes to be performed (until the part is successfully ejected) prior to stopping the machine and activating an alarm. In addition to preventing mold damage or unnecessary machine shutdown, this helps reduce the number of ejector strokes required, decreasing wear of the ejector pins. This function also supports unattended/lights-out operation.

Ease of Use

The next generation PE-600 has a larger touch screen and a selectable automatic setup program making it exceptionally easy to use. The user friendly software allows precise monitoring of the selected areas of the mold. When a problem occurs, a database stores the inspection data and mold images for later review. Mold setup information and the inspection database, with images, can be stored on a standard USB flash drive for remote review on a PC.

Applications Flexibility

The PE-600 can be used with one or two cameras (second camera is optional) that use a standard lens or optional wide angle and zoom lenses. For example, in a family-type mold application, a standard lens can be focused on the larger parts and a zoom lens focused on the smaller or even micro-sized parts. For very large mold surfaces, either two cameras or a single camera with a wide-angle lens can be used.

LED and Halogen lighting sets for high-intensity lighting, and Infrared lighting sets to reduce ambient lighting impact, are also offered as options.

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For over 40 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, granulating, feeding, conveying, bulk handling, oil and water temperature controllers, and mold monitoring equipment. The company's commitment to providing superior service spans everything from simple replacement parts to large-scale installations.

Additional information on the company and its products can be found at cometpe.com.

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