

PSC-400 IMMS "MoldMinder" Injection Mold Monitoring System



Process Sensors IR custom engineered, turn-key PSC-400 IMMS MoldMinder, interfaces seamlessly with injection mold machines.

Important Features:

- **Prevents Mold Damage and Production Downtime**
- Quick and Simple Camera Set Up Parameters via Touch Screen Display
- Select Up to 16 ROI's (Regions of Interest), Set Analog Output Alarms for Each
- Proven Performer with Horizontal or Vertical Shuttle Molding Machines
- Eliminates "Shadowing" False Alarms Inherent with CCD Cameras
- Smart Software Retains Templates of Previous Mold Jobs for Quick Retrieval
- PSC-400-IMMS Interfaces with Existing Injection Mold Machines
- Measures True Part Temperature

Industrial mold part presses have a high risk factor of experiencing critical damage due to molded parts sticking within the mold cavities.

The Process Sensors Model PSC-400 IMMS Injection MoldMinder Thermal Imaging Camera System will alert operators and stop the press before any hazardous force can be applied to the mold. This increases yield, and prevents severe mold damage and related down-time, which is expensive and troublesome. The PSC-400 IMMS Injection MoldMinder System has been proven to detect and prevent any problems before they occur.

The high speed, PSC thermal imaging camera views and identifies all parts that are retained in the mold at 80 times per second. The smart logic system sends a signal to the mold machine to activate the mold ejection pins until all the molded parts are ejected before signaling the mold to close. This ends the mold cycle.

Users of PSC-400 IMMS experience **no false alarms** due to shadowing on the mold that is inherent with the use of visible CCD machine camera vision systems. Process Sensors **infrared camera technology** solves the problems that can occur with visible ambient production plant lighting. Factors such as color variations, clear plastic parts, shiny mold surfaces or ambient lighting conditions, do not impose any problems when utilizing Process Sensors Model PSC-400-IMMS system. As an added benefit, the infrared model PSC-400 IMMS camera system can precisely measure the molded part temperatures as well.

The cornerstone of the MoldMinder System is the compact designed PSC-400 thermal imaging camera, which is a proven performer in industrial applications and makes this custom engineered turn-key system possible. The camera's outstanding ability to monitor and control industrial processes in real time has made it the prime choice of industry professionals in countless applications.

As part of the MoldMinder System, the PSC-400 provides real time thermal imaging with high resolution thermal sensitivity and thousands of measurement points. Equipped with the simple-to-use, intuitive and powerful PSC Camera Connect Software package, it is operator friendly and ideally suited to injection molding monitoring and control operations.

